

«SIFATLI TA'LIM VA INTERDISIPLINAR YONDASHUV:
MUAMMOLAR, YECHIMLAR VA HAMKORLIK»

Xalqaro ilmiy amaliy konferentsiyasi
25-26 may 2023 yil

«KALİTELİ EĞİTİM VE DİSİPLİNLER ARASI YAKLAŞIM:
SORUNLAR, ÇÖZÜMLER VE İŞBİRLİKLERİ»

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ПОДХОД: ПРОБЛЕМЫ, РЕШЕНИЯ И СОТРУДНИЧЕСТВО»

Международная научно-практическая конференция
25-26 Мая 2023

(En) «QUALITY EDUCATION AND INTERDISCIPLINARY AP-
PROACH: PROBLEMS, SOLUTIONS AND COOPERATION»

International Scientific And Practical Conference
25-26 May 2023

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MA'RUZALARNING QISQACHA MAZMUNI BİLDİRİ ÖZETLERİ KİTABI



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**O‘ZBEKISTON RESPUBLIKASI OLIY TA‘LIM
FAN VA INNOVATSIYALAR VAZIRLIGI**

**GULISTON DAVLAT UNIVERSITETI
ISTANBUL TİCARET UNIVERSITETI
QOZON FEDERAL UNIVERSITETI
BALIKESIR UNIVERSITETI**



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İstanbul Ticaret Üniversitesi Yayınları



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İstanbul Ticaret Üniversitesi Yayınları

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Assalomu alaykum!

Dear participants of the international scientific-practical conference, “Quality Education and Interdisciplinary Approach: Problems, Solutions, and Cooperation,”

It gives me immense pleasure to extend my gratitude and express my delight in seeing all of you gathered here. The significance of this conference being held at Gulistan State University, organized by the Ministry of Higher Education, Science, and Innovation, in collaboration with Istanbul Commercial University, Kazan Federal University, and Balikesir University, holds great symbolic meaning. This significance arises from the fact that, thanks to the initiatives of our state’s leadership, Syrdarya is transforming into a hub of science and innovation within our republic. In this context, innovation is synonymous with education and knowledge, as it is through education and knowledge that an innovative environment can flourish within the region.

Gulistan State University stands as the scientific and innovative hub of Syrdarya. Currently, more than 17,000 students study at our university. About 500 master’s students in 20 specialties and 150 doctoral students in 25 fields are engaged in scientific activities.

Efforts are being made to generate income from the activities of research centers at Gulistan State University, connect departments with network enterprises, and create conditions for teachers to conduct practical research in enterprises. The university is also ensuring the step-by-step implementation of tasks specified in the 10-year cooperation agreements concluded with network enterprises. Drastic measures are being taken to increase the number of economic contracts and startup projects.

To put into practice and commercialize the scientific innovations of young scientists from the university, the establishment of spin-off companies is underway.

When comparing the educational, teaching-methodical, scientific, and scientific research work, as well as work in the spiritual-educational field carried out by the team of professors and teachers over the last five years, several changes and achievements can be observed. For example, in 2017, 10 master’s students were engaged in research work in three specialties within the university’s master’s program, whereas in 2022, this number increased to 397 master’s students across 20 specialties. The total number of publications was 367 in 2017, whereas in 2022, it reached 922. Five monographs were published by the team five years ago, while 29 monographs were published in 2022, along with 10 obtained patents. In 2017, there were 12 researchers working in the university’s doctoral studies, and by 2023, this number increased to approximately 150 researchers. Great opportunities have been created for our professors and teachers to improve their qualifications, undergo internships, and pursue doctoral degrees in foreign higher education institutions. The level of utilization of international databases by the team has dramatically increased.

All of this has had a positive effect on the growth of the quality of education for students and young individuals, as well as on the potential of trained personnel. In turn, the team of Gulistan State University actively participates in the comprehensive reforms implemented in the field of education in our country and makes a significant contribution to the development of the current level of personnel potential.

In 2021, four educational auditoriums at the university were equipped with “E-lectern,” and by 2022, the number increased to 38.

The total number of scientific projects is 8, showing a 35.0% increase compared to 2021, and these projects have been successfully implemented. Scientific articles by professors and teachers were published in 922 publications, including 346 scientific journals (196 of which were international), and 582 conference collections (106 of which were international conferences). Additionally, 17 textbooks, 82 training manuals, and 120 monographs were published, and 29 patents were obtained.

The number and quality of articles by professors in national and international scientific journals have significantly increased. The active participation of professors, doctoral students, and master’s students from the department in international grant projects, as well as efforts to improve the quality of utilizing international scientific and technical databases such as Scopus and ScienceDirect, have contributed to the increased use of intellectual property tools by professors and teachers. Special attention is given to the development of 24 scientific research centers established in the departments, taking into account the priority directions and characteristics of scientific activity. This includes providing educational laboratories and other necessary material and technical resources to effectively establish the activity of these research centers.

Undoubtedly, the attention given to the development of science has initiated a new stage in the higher education field of our country. Therefore, as representatives of the science and education field, we should respond adequately to such concerns using all our knowledge and experience. We firmly believe that such hard work will yield results in due time.

During the conference held today, a considerable number of scientific articles were presented by over 700 scientists, both from abroad and within our country. These articles are abundant in valuable scientific content and provide important scientific insights. Now, the challenge lies in collaboratively examining and putting into practice the issues and scientific proposals highlighted in these articles.

In conclusion, I wish success in the conference’s proceedings, and I hope that this conference will serve as a prelude to the great collaborative work our universities will undertake in the future.

Thank you for your attention!

Professor Muksin Todjievich KHODJIEV,
Rector of Gulistan State University

**MA'RUZALARNING QISQACHA
MAZMUNI**

BİLDİRİ ÖZETLERİ KİTABI

PAXTA XOMASHYOSINI QURITISH JARAYONINING IJTIMOYIY-PEDAGOGIK MOHIYATI

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Qisqacha mazmuni: Mazkur maqolada paxta homashyosini quritish jarayonining ijtimoiy-pedagogik mohiyati yoritilgan bo'lib, mazkur jarayonda soha mutaxassislarning kompetentsiyaviy yondashuvi darajasi o'ta muhim ahamiyat kasb etilishi belgilab berilgan.

Kalit so'zlar: paxta, paxta xomashyosi, paxtani quritish jarayoni, soha mutaxassisi, soha mutaxassislarning kompetentsiyaviy yondashuvi.

Аннотация: В данной статье раскрыто общественно-педагогический суть сушильного процесса хлопка-сырца и отмечено что, большое значение имеет уровень компетентностного подхода специалистов в этом сфере.

Ключевые слова: хлопок, хлопковое сырьё, процесс сушки хлопка, специалист отрасли, компетентностный подход специалиста.

Abstract: This article reveals the socio-pedagogical essence of the drying process of raw cotton and notes that the level of competence approach of specialists in this field is of great importance.

Keywords: cotton, cotton raw materials, cotton dryer process, industry specialist, competence approach of a specialist.

OTM TALABALARINI ISH BILAN BANDLIKKA TAYYORLASH ASOSIDA IQTISODIYOTNI INNOVATSION RIVOJLANTIRISH PEDAGOGIK MUAMMO SIFATIDA

Zokirjon ZIKRIYAEV,

Guliston davlat universiteti mustaqil izlanuvchisi

K.Q.KOMILOVA,

Guliston davlat universiteti tayanch doktoranti

Qisqacha mazmuni: Maqolada yetakchi oliy o'quv yurtlarining bitiruvchilarni bozor islohotlarini chuqurlashtirish davrida kelib chiqqan mehnat bozori va ta'lim xizmatlari bozori o'rtasidagi nomuvofiqliklar ishchi kuchiga bo'lgan talab va taklif tarkibi o'rtasidagi nomuvozanatlar tahlil etilgan.

Kalit so'zlar: mehnat bozori, ta'lim xizmatlari bozori, bitiruvchilar, ishga joylashtirish.

Abstract: The article analyzes the discrepancies between the labor market and the market of educational services, the disproportions between the demand and supply for labor force that have arisen in the course of deepening market reforms of graduates of leading higher educational institutions.

Keywords: labor market, educational services market, graduates, employment.

KÜRESEL ÇAĞDA TEKLİ BİLGİDEN ÇOKLU BİLGİYE EĞİTİMDE YENİ PARADİGMALAR

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Özet: Çalışmamız, küreselleşme, dijital teknoloji ve bilgi toplumuna paralel olarak eğitimde yeni paradigmlar üzerinde duracaktır. Bu çerçevede önerilen beş husus şu şekilde özetlenebilir: Birincisi, eğitim kurumları küresel düzeyde öğrenci yetiştirmeyi hedeflemelidirler. Uzmanlaştığı alanda dünyanın her yerinde istihdam edilecek nitelikte ve donanımda öğrenci yetiştirilmesi gerekir.

İkincisi, öğrencilerin multi-disipliner bir eğitimden geçmesi kaçınılmazdır. Eğitimin temel amacı öğrenciye belli bir formasyon, yöntem ve disiplin kazandırmaktır. Bu bakımdan öğrencinin belli bir alanda derinleşirken, kendi uzmanlık alanını tamamlayan başka alanlara yönelik de eğitim alması sağlanmalıdır. Bu durum, öğrencinin tek boyutlu bilgi yerine çok boyutlu bir bilgiyle donanarak yetişmesine yol açacaktır.

Üçüncüsü, küresel dünyanın dilinin İngilizce olduğu gerçeğini dikkate aldığımızda öğrencilerin dil beceresini geliştirecek ve dünyanın her yerinde kullanacak şekilde İngilizce hakimiyetlerinin sağlanması büyük önem taşımaktadır.

Dördüncüsü, teknolojidaki imkanlardan yararlanarak dijital eğitimin yolunun açılması gerekir. Dijital teknoloji, mekan ve sınır kısıtlılığını aşarak eğitime ulaşmada büyük bir imkan sağlamaktadır. Artık bu imkanı daha iyi değerlendirmeliyiz. Özellikle lisansüstü eğitimde dijital teknoloji son derece önemlidir. Dijital teknoloji aynı zamanda başka üniversitelerle ortak eğitim programlarının gerçekleştirilmesine de katkıda bulunmaktadır.

Son olarak dijital teknolojinin imkanlarından yararlanarak farklı ülkelerden üniversitelerle müşterek eğitim programları organize edilmeli ve eğitimler verilmelidir.

Bu şekilde yapılandırılmış bir eğitim sistemiyle çok yönlü düşünen, küresel sistemin ihtiyacına karşılık veren, ortaya çıkan şartlar karşısında farklı perspektifler geliştirerek özgün ve yaratıcı çözümler bulabilen öğrenciler yetiştirebiliriz. Böylece pasif, korkak, verilenleri olduğu gibi kabullenen, kendini ifade etmekten

çekinen, ezberci ve itaatkar birey yetiştirmeyi öngören eğitim anlayışını bir kenara bırakabiliriz. Günümüzde teknoloji, bilim, sanat ve düşünce hayatındaki yaratıcı ve özgün gelişmelerin daha çok birinci eğitim anlayışını esas alan toplumlarda geliştiğini unutmamak gerekir.

Anahtar kelimeler: Eğitim, Küreselleşme, Dijital Teknoloji, Yaratıcılık, Çok Disiplinli Eğitim

Abstract: This study will focus on new paradigms in education in parallel with globalization, digital technology and information society. The five suggested issues in this framework can be summarized as follows: First, educational institutions should aim to train students at a global level. It is necessary to train students who are qualified and equipped to be employed all over the world based upon student's specialization.

Secondly, it is inevitable for students to go through a multi-disciplinary education. The main purpose of education is to give the student a certain formation, method and discipline. In this regard, while the student deepens in a certain field, it should be ensured that students receive education in other fields that complement their field of expertise. This situation will cause the student to grow up equipped with a multi-dimensional knowledge instead of one-dimensional one.

Third, when we consider the fact that the language of the global world is English, it is of great importance to ensure students' command of English in a way that will improve their language skills and use them all over the world.

Fourth, it is necessary to pave the way for digital education by taking advantage of the developments in technology. Digital technology provides a great opportunity to reach education by overcoming the limitations of space and borders. Now we need to make better use of this opportunity. Especially in graduate education, digital technology is extremely important. Digital technology also contributes to the realization of joint education programs with universities from other parts of the world.

Finally, joint education programs with universities from different countries should be organized and education should be given by taking advantage of the opportunities of digital technology.

With an education system structured in this way, we can raise students who think multi-dimensionally, respond to the needs of the global system, and find original and creative solutions by developing different perspectives under different conditions. Thus, we can leave the understanding of education, which envisages raising passive individuals who accept what is given as they are, refrain from expressing themselves, and who are obedient and behind memorizing. Today, it should not be forgotten that creative and original developments in technology, science, art and thought develop in societies based on primary education system.

Keywords: Education, Globalization, Digital Technology, Creativity, Multidisciplinary Education

TÜRKİSTAN MERKEZLİ OKUMA BAĞLAMINDA İLETİŞİM VE MEDYA TARİHİNE ALTERNATİF BİR YAKLAŞIM

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Özet: Özbekistan'ın merkez ülkelerden biri olduğu Türkistan coğrafyası, aynı zamanda bir unutulmuş medeniyetler beşiğidir. Kadim zamanlardan başlayarak tarihe ışık tutacak, etki edecek birçok yeniliğin merkezi olmuş, çeşitli bilim dallarının gelişimine katkıda bulunan fikir ve buluşlara kaynaklık etmiştir. Bunlardan biri de iletişim ve medya tarihidir.

Günümüz dünyasında iletişim ve medya tarihine bakış Batı merkezlidir. Buna göre, iletişim araçlarının birbirini takip ederek, belli bir zamanda ve mekânda ortaya çıktıklarını açıklamaya çalışır. Bu dizge Mezopotamya-Mısır-Eski Yunan-Roma ve Avrupa şeklindedir. Zaman zaman bu dizilişe Çin ve Hindistan da dahil olur. Ancak içlerinde Türkistan yoktur. Türkistan adı söz konusu olduğunda da Çin'de bulunan iletişim araçlarının Müslüman dünyaya oradan da Avrupa'ya geçişine aracılık etme şeklinde bir rol verilir. Bunun nedeni de Batı ve Çin tarihçiliğinde Türkistan halkının göçebe olarak tanımlanması, yazısız ve medyasız görülmesidir. Bu bakış açısı Türkiye'de okutulan iletişim tarihlerinde de aynen tekrarlanır.

Oysa gerçek bundan çok farklıdır. Bugün iletişim tarihinde önemli kilometre taşları olarak tanımlanan birçok iletişim aracı, diğer medeniyet havzalarıyla ya yakın dönemlerde ya eşzamanlı ya da çok önceleri Türkistan'da ortaya çıkmıştır, Türkistan halkı tarafından kullanılmıştır: Yazı, resim, kâğıt, matbaa gibi. Bu anlamda Türkistan'ın iletişim ve medya tarihi, egemen anlatımda adı geçen coğrafyalar kadar eski bir geçmişe sahiptir.

Bildirimizde bu gerçeklerin ışığı altında iletişim ve medya tarihi, Türkistan merkezli bir yaklaşımla ele alınacak, bölgede ortaya çıkarılan arkeolojik ve etnografik kanıtların dünya iletişim tarihine etkisi ve önemi üzerinde durulacak, Türkistan merkezli buluş ve araçların iletişim ve medya tarihinde sahip olması gereken yere ışık tutulmaya çalışılacaktır. Bu bağlamda da iletişim tarihi kuramcısı Harold Innis'in, uygarlıkların her birinin zamana ve mekâna bağlı olarak özgül bir kültürel yönelime sahip oldukları yaklaşımı ile yine ona ait, iletişim araçlarının ortaya çıkışının arzdan ziyade taleple ilişkili olduğu yaklaşımlarından yararlanılacaktır.

Anahtar kelimeler: İletişim tarihi, iletişim araçları, Türkistan, Semerkant, kâğıt, matbaa.

Abstract: The Turkestan region, with Uzbekistan as one of its central countries, is also a cradle of forgotten civilizations. From ancient times, it has been a center for many innovations that shed light on and influence history, contributing to the development of various branches of science and serving as a source of ideas and inventions. One such area is the history of communication and media.

In today's world, the perspective on communication and media history is centered around the West. According to this view, communication tools emerged

sequentially in a specific time and place, starting from Mesopotamia, Egypt, Ancient Greece, Rome, and Europe. Occasionally, China and India are included in this sequence. However, Turkestan is not included, and when Turkestan is mentioned, it is attributed to the role of facilitating the transfer of communication tools from China to the Muslim world and then to Europe. This is due to the portrayal of the Turkestan people as nomadic, illiterate, and lacking media in Western and Chinese historiography. This perspective is also reiterated in communication history taught in Turkey.

However, the reality is very different. Many communication tools that are now considered significant milestones in communication history emerged in Turkestan either concurrently or long before they appeared in other civilizations: writing, painting, paper, printing press, and more. In this sense, the history of communication and media in Turkestan has an ancient past comparable to the mentioned regions in the dominant narrative.

In this paper, communication and media history will be approached from a Turkestan-centric perspective, shedding light on the impact and significance of archaeological and ethnographic evidence discovered in the region on world communication history. Furthermore, efforts will be made to highlight the rightful place that Turkestan-centric inventions and tools should have in the history of communication and media. In this context, the approach of communication history theorist Harold Innis, which emphasizes that each civilization has a specific cultural orientation tied to time and space, as well as his theories that the emergence of communication tools is more closely related to demand than supply, will be used.

Keywords: Communication history, communication tools, Turkestan, Samarkand, paper, printing press.

MATEMATİKSEL BİR DENKLEM KULLANILARAK 3 BOYUTLU YAZICIDA BİR GYROİD ÜRETİLMESİ VE UYGULAMASI

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Balıkesir Üniversitesi, Makine Mühendisliği Bölümü

Özet: Minimum yüzeylerin araştırılması 200 yıldan fazla bir süredir devam etmektedir. Çalışma, 1760 yılında Lagrange'ın "verilen bir eğri tarafından sınırlanan bir yüzeyin en küçük yüzey alanına sahip olması durumunda nasıl bir görünüme sahip olur?" sorusunu sormasıyla başlamıştır. Bir yüzeyin kısmi diferansiyel denklemiyle alakalı olarak çalışabilmek için uygun bir durum o dönemde bulunmamaktaydı. İlk sonsuz periyodik minimum yüzey (IPMS) örneği 1865 yılında H. A. Schwarz tarafından yayınlanmıştır. Schwarz P yüzeyi, üçlü periyodik bir minimum yüzey olup Hermann Schwarz tarafından 1890 yılında tanımlanmıştır. Gyroid, fizikçi ve bilgisayar bilimcisi olan Alan Schoen tarafından 1970 yılında süper güçlü ve hafif yapıları incelemesi sırasında keşfedilmiştir. Bu yüzey, düz çizgiler veya ayna yansımaları içermeyen, kesişmeyen bir IPMS örneği olarak bilinir ve dönel simetri eksenleri yüzeyin içinde yer almaz. Gyroid kübik kristal sistemine aittir ve Gyroid G'nin hacim merkezli kübik Bravais örgüsü vardır. Gyroid'in matematiksel denklemi

oldukça karmaşıktır çünkü eliptik integral içerir. Ancak, $\cos x \cdot \sin y + \cos y \cdot \sin z + \cos z \cdot \sin x = 0$ denklemi, gerçek Gyroid'e yakın bir yaklaşım sunar. Bu çalışmada, yukarıdaki denklem, K3DSurf adlı matematiksel bir yazılım kullanılarak Gyroid'in matematiksel bir modelinin oluşturulması için kullanılmıştır. Matematiksel model oluşturulduktan sonra, bu model bir 3D yazıcı tarafından basılabilmesi için “.stl” veri formatına dönüştürülmüştür. Matematiksel model, ChiTuBox dilimleme yazılımıyla katmanlara ayrılmış ve ışığa duyarlı sıvı reçineyi 405 nm UV ışık kaynağı kullanarak sertleştiren bir Sıvı Kristal Ekranlı Stereolithography (LCD SLA) 3D yazıcıyla basılmıştır. Bu çalışmanın amacı, klasik mühendislik yöntemleriyle imkansız olan bir matematiksel denklemden gerçek bir somut nesne oluşturmaktır. Bu nesnelere aynı zamanda eğitim araçları olarak da hizmet edebilir ve sunum amaçları için kullanılabilir. Bugünün düşük maliyetli masaüstü 3D yazıcıları, kullanıcılara bu tür karmaşık matematiksel modeller oluşturma fırsatı sunmaktadır. Günümüzde, SLA 3 boyutlu yazıcılar ile katman kalınlığı 10 μm 'ye kadar düşebilmekte ve son derece düzgün yüzey kalitesi elde edilebilmektedir.

Anahtar kelimeler: Gyroid, 3D baskı, SLA, Matematiksel model.

Abstract: The study of minimal surfaces has a history of over 200 years. It originated in 1760 with Lagrange's inquiry into the appearance of a surface with the smallest possible area bounded by a given curve. However, a suitable tool to study the associated partial differential equation of the surface was not available at that time. In 1865, H. A. Schwarz published the first example of an infinite periodic minimal surface (IPMS). One notable IPMS is the Schwarz P surface, described by Hermann Schwarz in 1890. In 1970, physicist and computer scientist Alan Schoen discovered the Gyroid surface while investigating strong and lightweight structures. The Gyroid is unique among IPMS as it lacks intersections, straight lines, and mirror reflections. Additionally, its rotational symmetry axes do not lie within the surface. The Gyroid belongs to the cubic crystal system and possesses a body centred cubic Bravais lattice. The mathematical equation of the Gyroid is complex, involving elliptic integrals. However, $\cos x \cdot \sin y + \cos y \cdot \sin z + \cos z \cdot \sin x = 0$ equation gives an approximation to the Gyroid surface looks like the actual Gyroid. In this study, the above equation is considered to create a mathematical model of the gyroid by using a mathematical software called K3DSurf. Once mathematical model created then it is exported to “.stl” data format in order to print it by a 3D printer. The mathematical model sliced into layers with ChiTuBox slicing software and printed with a Liquid Crystal Display Stereolithography 3D printer which uses 405 nm UV light source to cure the photocurable liquid resin. The aim of the study was to create a real tangible object from a mathematical equation that would not be possible to manufacture with classical engineering methods. These objects would also serve as educational tools and can be used for presentation purposes. Today's low cost desktop 3-D printers give great opportunity to the users for creating such complex mathematical models. Layer thickness can go down as low as 10 μm with 3D SLA printers and this gives extremely good surface quality and smoothness.

Keywords: Gyroid, 3D printing, SLA, Mathematical model.

MATEMATİK EĞİTİMİNDE GÜNCEL SORUNLAR

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Özet: Matematik, tarihsel süreçte toplumların temel ihtiyaçlarının giderilmesinde kullanılan bir bilim iken son yıllardaki bilim ve teknolojideki hızlı gelişimin toplumsal yaşamı etkilemesi; matematiğin günlük yaşamdaki yerini, matematik öğretiminin de okullardaki önemini arttırmıştır. Matematiğin farklı alanlarda kullanılması, günlük yaşantının kaçınılmaz bir ögesi olması matematik eğitimini zorunlu kılmaktadır. Bu nedenle matematiğin öğrenilmesi ve öğretilmesi büyük önem arz etmektedir. Bu çalışmanın amacı, matematik eğitiminde karşılaşılan güncel sorunları incelemektir. Matematik öğretimiyle ilgili mevcut sorunlar, öğrencilerin düşük akademik başarıları, sınavlardaki düşük puanlar ve öğretmenlerin karşılaştığı zorluklar olarak özetlenebilir. Bu sorunlar arasında müfredatın yoğunluğu, zaman yetersizliği, öğretim yöntemlerinin sınırlı olması, teknoloji kullanımının yetersizliği ve öğrencilerin matematik korkusu yer almaktadır. Araştırma, nitel araştırma yöntemlerinden biri olan olgubilim (fenomenoloji) yaklaşımı ile desenlenmiştir. Araştırmada, nitel araştırma yaklaşımlarından biri olan olgubilim metodu kullanılmıştır. Veri toplama aracı olarak araştırmacılar tarafından geliştirilen yarı yapılandırılmış görüşme formu kullanılmıştır. Veriler kod, alt tema, tema ve kategorileştirilerek analiz edilerek sunulmuştur. Verilerin analizi için içerik analizi yöntemi tercih edilmiştir. Çalışma sonunda, matematik eğitimindeki güncel sorunlar detaylı olarak ele alınmakta ve çözüm önerileri sunulmaktadır. Öğretmenlerin daha fazla eğitim almaları, yeni öğretim yöntemlerini uygulamaları, teknolojiyi etkin bir şekilde kullanmaları, öğrencilere matematik korkusunu yenmeleri için destek sağlamaları ve müfredatın yeniden gözden geçirilmesi gibi önlemler önerilmektedir. Sonuç olarak, matematik eğitimindeki güncel sorunların çözülmesi için çeşitli adımlar atılması gerekmektedir. Öğretmenlerin ve eğitim sistemlerinin bu sorunları ele alarak etkili çözümler üretmeleri, matematik eğitiminin kalitesini arttıracaktır.

Anahtar kelimeler: Matematik öğretimi, sınavlar, matematikte güncel sorunlar, matematik sorunlarının giderilmesi için öneriler

Abstract: Mathematics, once a science used to meet the fundamental needs of societies throughout history, has gained increased importance in daily life and in schools due to the rapid development of science and technology in recent years. The widespread use of mathematics in different fields and its inevitable presence in daily life make mathematics education essential. Therefore, learning and teaching mathematics is of great importance. The aim of this study is to examine the current issues in mathematics education. The existing problems in mathematics instruction can be summarized as low academic achievement of students, low scores in exams, and challenges faced by teachers. These problems include the density of the curriculum, lack of time, limited teaching methods, inadequate use of technology,

and students' math anxiety. The research is designed using the phenomenological approach, which is one of the qualitative research methods. A semi-structured interview form developed by the researchers is used as the data collection tool. The data is analyzed through coding, sub-themes, themes, and content analysis using the phenomenological method. The study comprehensively addresses the current issues in mathematics education and provides solutions. Recommendations include teachers receiving more training, implementing new teaching methods, utilizing technology effectively, providing support for students to overcome math anxiety, and revising the curriculum. In conclusion, various steps need to be taken to address the current issues in mathematics education. Teachers and educational systems addressing these problems and generating effective solutions will enhance the quality of mathematics education. The study also provides recommendations for addressing the shortcomings encountered in mathematics instruction.

Keywords: Mathematics education, exams, current issues in mathematics, recommendations for resolving mathematics problems.

EĞİTİM YÖNETİMİNDE GÜNCEL VE YENİLİKÇİ BİR YAKLAŞIM: BÜTÜNCÜL OKUL GELİŞTİRME

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Özet: Eğitimin amacı, toplum için ideal insan yetiştirmektir. Bu ideal insan, o toplumun varlığını kaliteli bir şekilde sürdürmesinde çok önemli bir vazife görür. Eğitimin objesi insan olduğundan, ideal eğitimin nasıl olması gerektiği noktasında insan anlayışı da oldukça önemlidir. Bu bağlamda gelecek toplumunu oluşturacak insanların kendilerinin yaşayacağı çağda/dönemde gerekli olacak bilgi, beceri, değer, tutum ve davranış, duruş ve paradigma ile donanmaları önemlidir. Topluma nitelikli ve iyi yetiştirilmiş insan kazandıran eğitim kurumlarının da bu vizyonla yapılanması/yapılandırılması değişmesi, gelişmesi ve farkındalığının artarak evrensel standartların üzerinde eğitim öğretimi gerçekleştirmeleri beklenir. Bu amaçla her seviyede okulların eğitim öğretim süreçlerini, organizasyon-sistem yapılarını, eğitim içeriklerini ve öğretmen niteliklerini sürekli geliştirmeleri gerekir ve eğitim konusunda karar alıcıların bu yaklaşıma uygun eğitim politikalarını oluşturması beklenir.

21. yüzyıl eğitim örgütleri, aydınlanmış, kendini tanıyan, bağımsız, yenilikçi öğrenen örgütlerdir. Bunu sağlayacak olan ise sistematik, plânlı süreç olan “ okul geliştirme” dir. Başka bir ifadeyle okullar, çağı izleyen ve geleceğe vizyoner bakışla bakabilen, gelecek zamanı şimdiki zamanda tasarlayabilen toplumun en stratejik kurumları olmalıdır. Bu kurumları oluşturmak ve sürekliliğini sağlamak “Okul Geliştirme” yaklaşımıyla mümkündür. Bu çalışma kapsamında eğitim yönetiminde güncel ve yenilikçi bir yaklaşım olan “Bütüncül Okul Geliştirme Modeli” önerilmektedir.

Abstract: The purpose of education is to raise ideal people for society. This ideal person plays a very important role in maintaining the existence of that society

in a quality way. Since the object of education is human, human understanding is also very important in terms of how the ideal education should be. In this context, it is important that the people who will form the future society are equipped with the knowledge, skills, values, attitudes and behaviors, postures and paradigms that will be necessary in the age / period in which they will live. Educational institutions that provide qualified and well-educated people to the society are expected to be structured/structured with this vision, to change, develop and raise awareness and to carry out education above universal standards. For this purpose, schools at all levels need to continuously improve their educational processes, organization-system structures, educational content and teacher qualifications, and decision-makers are expected to create education policies in accordance with this approach.

21st century educational organizations are enlightened, self-aware, independent, innovative learning organizations. What will ensure this is the systematic, planned process of "school development". In other words, schools should be the most strategic institutions of the society that follows the age and can look at the future with a visionary view and design the future time in the present. It is possible to create these institutions and ensure their continuity with the "School Improvement" approach. Within the scope of this study "Holistic School Improvement Model" which is a current and innovative approach in educational management is proposed.

TÜRK DEVLETLERİ TEŞKİLATI'NIN ÜYE ÜLKELERİN ORTAK EĞİTİM POLİTİKALARINA ETKİSİ VE KATKISI

Doç. Dr. Çağla Gül YESEVI

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Özet: Türkçe Konuşan Ülkeler Ülkeler İşbirliği Konseyi (Türk Konseyi), 2009 yılında kurulmuştur. Örgütün ismi, Sekizinci Zirve toplantısının yapıldığı Kasım 2021'da Türk Devletleri Teşkilatı (TDT) olarak değiştirilmiştir. Türk Devletleri Teşkilatı'nın şemsiyesi altında yer alan ve örgütün yakın ilişki içinde olduğu diğer örgütlenmeler; Uluslararası Türk Kültürü Teşkilatı (TÜRKSÖY), Türk Devletleri Parlamenter Asamblesi (TURKPA), Türk Akademisi, Türk Kültür ve Miras Vakfı ve Türk Ticaret ve Sanayi Odası'dır. Örgütün yapısında yer alan kurumlar ise Devlet Başkanları Konseyi, Dışişleri Bakanları Konseyi, Aksakallar Konseyi, Kıdemli Memurlar Komitesi ve Sekreteryası'dır. Teşkilatın ana karar organı, Devlet Başkanları Konseyi'dir. Faaliyetler İstanbul'da bulunan Sekreteryası tarafından yürütülmektedir. Çalışma kapsamında Türk Devletleri Teşkilatı'nın, üye devletlerin ortak eğitim politikalarına etkisi ve katkısı incelenecektir. Bu kapsamda, OTS'nin ortak kimlik oluşumu sürecinde etkisi önemlidir. Çalışmada Türk Üniversiteler Birliği ve Uluslararası Türk Akademisi'nin üye ülkelerin ortak eğitim politikası oluşturmalarına katkıları anlatılacaktır.

Anahtar kelimeler: Eğitim, Türk Devletleri Teşkilatı, Ortak Kimlik, Türk Üniversiteler Birliği, Türk Akademisi

Abstract: The Cooperation Council of Turkic Speaking States (the Turkic

Council) was established in 2009 and renamed the Organization of Turkic States (OTS) during its 8th Summit which was held in November 2021. As an intergovernmental organization, the OTS acts as an umbrella organization for other vital organizations such as the International Organization of Turkic Culture (TURKSOY), the Parliamentary Assembly of Turkic Speaking Countries (TURKPA), the Turkic Academy, the Turkic Culture and Heritage Foundation and the Turkic Chamber of Commerce and Industry. The Principal organs of the Organization of Turkic States are the Council of Heads of State, Council of Foreign Ministers, Council of Elders, Senior Officials Committee, and the Secretariat. Organization's main decisive body is the Council of Heads of States. The activities of the Organization are coordinated and supported by its Secretariat located in Istanbul. The effect and contribution of the Organization of Turkic States to the common education policies of the member states will be examined. In this context, the impact of the OTS on the construction of the collective identity among member states is essential. Moreover, in this study, the contributions of the Turkic Universities Union and the impacts of the International Turkic Academy on the formation of a common education policy among the member countries of the OTS will be explained.

Keywords: Education, Organization of Turkic States, Collective Identity, Turkic Universities Union, Turkic Academy

ORTAK TARİH YAZIMI BAĞLAMINDA GENEL TÜRK TARİHÇİLİĞİNİN SORUNLARI

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Özet: Milattan binlerce yıl öncesinden İslamiyet'in kabulüne kadar geçen tarih zamanının derinliği ve Türklerin yaşamış oldukları coğrafi sahanın genişliği Türk tarihini değerlendirmenin zorluğuna işaret etmede önemli amillerdir. M.Ö. binlerce yıldan İslamiyet'i kabule kadar geçen uzun süreç ve geniş bir coğrafi alandaki Türk tarihinin ele alınması birçok meseleyi de beraberinde getirmiştir. İslamiyet öncesi Türk tarihçiliğinin problemlerini Türk tarihinin yapısından kaynaklanan beş temel üzerine bina etmek mümkündür. 1. Zaman birliği 2. Mekân birliği 3. Siyasi birlik 4. Devlet görüşündeki kadimlik, köklülük 5. Kaynak yeterliliği veya yetersizliği. Bu beş temel problem İslam öncesi Türk tarihinin, kültürünün ve sosyo-ekonomik hayatının yazılması ve mütalaa edilmesini oldukça güç hale getirmekte ayrıca tarihçilerin farklı meselelerle de karşı karşıya kalmasına yol açmaktadır. Görüldüğü gibi İslam öncesi Türk tarihinde zaman çok geniş, coğrafi mekân pek dağınık, kurulan devlet sayısı fazla ve devletlerin ömürleri kısa, süreksiz, siyasi ve hâkimiyet telakkisi yüzünden devletler ömürsüz, nihayetinde yerli kaynaklar az ve yetersiz, yabancı kaynaklar ise fazla ve çeşitlidir. Türk tarihinin yapısından kaynaklanan problemlerin yanında tarihsel sürecin ortaya çıkardığı sosyo-kültürel değişimlerden ve günümüz şartlarından hâsıl olan çağ sistemi gibi çeşitli meseleler de bulunmaktadır.

Anahtar kelimeler: Temel Kaynak, Tarih Yazıcılığı, Metodoloji, Türk Tarihi, Çağ Sistemi

Abstract: Evaluating Turkish history poses significant challenges due to the deep historical timeline that stretches back thousands of years before the acceptance of Islam and the expansive geographical scope of the region inhabited by the Turks. The extensive duration and broad geographic area of pre-Islamic Turkish history give rise to various complexities. Pre-Islamic Turkish historiography can be built upon five fundamental problems stemming from the structure of Turkish history: temporal unity, spatial unity, political unity, the notion of ancientness and rootedness in the concept of state, and the adequacy or inadequacy of sources. These fundamental issues not only make the writing and interpretation of pre-Islamic Turkish history, culture, and socio-economic life challenging but also present historians with diverse dilemmas. Pre-Islamic Turkish history is characterized by a wide temporal span, a geographically scattered landscape, numerous short-lived states due to an ephemeral perception of politics and dominion, as well as a scarcity of reliable local sources and an abundance of diverse foreign sources. Additionally, besides the problems arising from the structure of Turkish history, there are other factors such as socio-cultural changes throughout the historical process and contemporary conditions, including the concept of the age system, which contribute to the complexity of the subject.

Keywords: Primary Source, Historiography, Methodology, Turkish History, Age System

DİSİPLİNLERARASI ARAŞTIRMA VE ÖĞRETİM OLARAK ULUSLARARASI İLİŞKİLER

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Siyaset Bilimi ve Uluslararası İlişkiler Bölümü

Özet: Uluslararası ilişkiler alanı, disiplinler arası niteliğiyle sosyal bilimler arasında farklı bir yere sahiptir. Uluslararası ilişkiler alanında çalışan akademisyen ve araştırmacılar, siyaset bilimi, tarih, ekonomi, sosyoloji, felsefe, kamu yönetimi, coğrafya, matematik, psikoloji, hukuk çalışmaları, antropoloji, alan çalışmaları, kalkınma çalışmaları, çevre çalışmaları, toplumsal cinsiyet çalışmaları, din çalışmaları ve demografi gibi çeşitli alan ve disiplinlerden geniş ölçüde yararlanırlar. Bu nedenle, uluslararası ilişkilere dair anlayışımız ve anlatımlarımız, geniş ve çeşitli etkilerden doğan bu sentez veya alanların kesişmesi üzerine inşa edilmiştir.

Bu özelliğiyle Uluslararası İlişkiler, çok yönlü ve eklektik bir temele ve uluslararası politika çalışmalarına yönelik epistemolojik ve ontolojik yaklaşımları tartışma konusunda zengin bir geleneğe sahiptir. Analitik eklektizme ve disiplinler arası yaklaşıma dayanma özelliği, Uluslararası İlişkiler alanının gücüdür. Ancak bu güç aynı zamanda ampirik araştırma yapmayı öğrenen lisansüstü öğrenciler veya hatta yeni konuları keşfetmeyi amaçlayan deneyimli araştırmacılar açısından zorlayıcı bir etkene dönüşebilmektedir. Bu nedenle, Uluslararası İlişkiler öğretiminde eklektik ama aynı zamanda yalın disiplinler arası yöntemler geliştirmenin gerekliliğini dikkate almak önemlidir. Bu bildiri, bu tür yöntemlerle ilgili mevcut tartışmaları ve çalışmaları özetlemeye çalışacaktır.

Abstract: The field of International Relations has a different place among

social sciences with its interdisciplinary nature. Scholars and researchers working in the field of international relations make extensive use of various fields and disciplines such as political science, history, economics, sociology, philosophy, public administration, geography, mathematics, psychology, legal studies, anthropology, field studies, development studies, environmental studies, gender studies, religious studies and demography. Therefore, our understanding and teaching of international relations are built on this synthesis, fusion and combination of intersected and overlapped fields, which emerged out or resulted from broad and diverged influences.

With this feature, International Relations as a discipline seems to have a versatile/flexible and eclectic foundation and a rich tradition of discussing epistemological and ontological approaches to international relations studies. Its ability to rely on analytical eclecticism and an interdisciplinary approach is the strength of the field of International Relations. However, this strength can also turn into a complicating or even puzzling factor for graduate students learning to conduct empirical research or even for experienced researchers seeking to explore new topics. Therefore, it is essential to take into account the necessity of developing eclectic but at the same time simplified interdisciplinary methods in the teaching of International Relations. The paper will attempt to summarize the current discussions and studies on such methods.

TÜRK HALKLARI ARASINDAKİ YENİ DİNİ KİMLİK ARAYIŞI: SORUNLAR VE ÇÖZÜM ÖNERİLERİ

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Özet: Tarih sayfalarında birçok uygarlıkların olduğu, günümüzde de varlığını devam ettirdiği, gelecekte de devam ettireceği açık ve mübeyyandır. Bu uygarlıkların temelini Türk uygarlığının oluşturduğu da tartışılmaz. Enisey'deki Orhun Abidelerindeki yazılardan Balasagun'daki balbal taşlara, Semerkant'taki Şâh-ı Zindâh'tan Türkistan'daki Yesevî'ye, Özkent'teki Serahsî'ye kadar olan birçok müşahhas örnekler, bunun en bariz kanıtıdır. Talas Savaşı'ndan itibaren Türk halklarının İslam'la teması, onları hem siyasî, hem iktisadî, hem ideolojik arayışlara mecbur bırakmıştır. Bu ihtiyaca binaen atalarımız, İslam'ın orta yolu diyebileceğimiz Hanefî-Mâturidî-Yesevî üçgeni içerisindeki doğru din anlayışının tesisini de, başarıyla itmam etmiştir. Millî kimliğimizle özdeşmiş bu dinî kimliğimizin, modern hayatın etkisinde kalarak ya tek taraflı bir şekilde rafa kaldırılması, yada millî kimliğimizle örtüşmeyen günümüz selefliliği, vahhâbilik, şiiilik vb. İslam'ı âlet edinen ideolojik akımların, belki de zikrettiğimiz Hanefî-Mâturidî-Yesevî din anlayışımızı kırarak, genelde Türk kökenli halkların birlik ve beraberliğini parçalamak isteyen, aslında siyasî güçler diyebileceğimiz güçlerin, millî ve dinî kimliğimizi tehdit altına alması söz konusudur. Bir taraftan, (özelde) Orta Asya Türklerinin bir asırlık ateizm rejiminin kıskacında kalması söz konusu iken, diğer taraftan halkın dinî kimlik boşluğunu doldururken de, yukarıdaki dinî ve millî kimliğimize zarar vermeyecek,

mezkur Hanefî-Mâturidî-Yesevî din anlayışımızla örtüşecek, yeni dinî kimliğimizin inşasının tesisi de kaçınılmazdır. Özetimizin özünü oluşturan bu bildiri, esasen yeni dinî kimlik arayışımızın zorlukları tartışılacak, çözüm önerileri sunulacaktır.

Anahtar kelimeler: Hanefilik, Mturidilik, Yesevilik, Yeni Dini kimlik.

DİSİPLİNLERARASILIĞIN TARİH YAZICILIĞINA KATKILARI

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Özet: Tarih yazıcılığının disiplinlerarasılığı, *felsefe, coğrafya, antropoloji, sosyoloji, ekonomi, dilbilim, psikoloji* gibi ana disiplinler ile iletişimini, bilgi üretiminde etkileşimini ifade eder. Bu yazımızda Tarih yazıcısının anlatısını kullandığı belgelere geçerlilik kazandıracak, alt bilim disiplinlerin oluşumu üzerine durulacaktır. Tarihin bilimsel disiplinlerle olan ilişkisini incelerken, gelişmesine yol açtığı alt disiplinleri ihmal etmemek gerektiği esas ilkelere dendir. Bunların en önemli olanlarından biri *arkeoloji* olacaktır. Arkeolojide buluntular, *fizik ve kimyanın* tekniklerinden yararlanarak tarihlene yapılar dolayısıyla tarih yazıcılığının işbirliği yaptığı alandır. Tarih yazımıyla doğrudan ilgisi olan diğer bir disiplin *paleografya*dır. Geçmişteki uygarlıklara ait eserleri inceleyerek, tarihi belge konusunda daha açıklayıcı veriler sağlayacaktır. Bunun yanı sıra *epigrafya* da tarih yazımında önemli katkı sunacaktır. Tarih alanı yanında gelişen bir başka alt disiplin *nüvizmatik* olmuştur. Yer adlarını inceleyen *toponomi*, insan adlarını araştıran *antroponomi*, takvim bilimi *kronoloji*, soy kütüklerini, secereleri inceleyen *geneoloji* gibi bilim dalları tarih yazımında değerli katkı sağlayacaktır. Tarih yazıcısının girdilerinin elde edilmesini kolaylaştırmak ve güvenilirliğini artırmak için uzmanlaşma süreci içinde ortaya çıkan *siyasal tarih, emek tarihi, sanat tarihi, mimarlık tarihi, kent tarihi, çevre tarihi, din tarihi, düşünce tarihi, iktisat tarihi*, vb. ile ve elbette *edebiyat* ile iç içe olması gerektiği detaylı bir şekilde ele alınacaktır.

Anahtar kelimeler: Tarih, Tarih Yazıcılığı, Disiplinlerarası tarih anlayışı, Türk Tarihi

Abstract: The interdisciplinarity of historiography refers to its communication with main disciplines such as philosophy, geography, anthropology, sociology, economics, linguistics, psychology, and its interaction in knowledge production. In this article, we will focus on the formation of sub-scientific disciplines that will give validity to the documents in which the history writer uses his narrative. While examining the relationship of history with scientific disciplines, it is one of the main principles that the sub-disciplines that it led to development should not be neglected. One of the most important of these will be archeology. Findings in archeology are dated by using the techniques of physics and chemistry, so this is the field in which historiography cooperates. Another discipline directly related to historiography is paleography. It will provide more descriptive data on historical documents by examining the artifacts of past civilizations. In addition, epigraphy will also make an important contribution to historiography. Another sub-discipline that developed alongside the field of history was numismatics. Branches of science

such as toponomy, which studies place names, anthroponomy, which studies human names, calendar science, chronology, geneology, which studies genealogies, will make a valuable contribution to historiography. Political history, labor history, art history, architectural history, urban history, environmental history, history of religion, history of thought, history of economics, etc., which emerged in the process of specialization in order to facilitate the acquisition of the historiographer's inputs and increase their reliability. and of course, that it should be intertwined with literature will be discussed in detail.

Keywords: History, Historiography, Interdisciplinary understanding of history, Turkish History

THE MAIN DIRECTIONS OF CAPITALIZATION OF HUMAN RESOURCES IN AGRICULTURE

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Mukhlisakhon TURSUNKULOVA

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Abstract: This article is devoted to the study of the main trends of capitalization of human resources in agriculture and changes in the labor market in Uzbekistan. The results of the study concluded that the reduction of jobs in agriculture is a natural and planned phenomenon in the context of the transition to global market relations, which in turn creates the need to train highly qualified personnel and talented specialists.

Keywords: digitization, human resources, human capital, rural population, labor market, human capital, evaluation methods, agriculture.

Qisqacha mazmuni: Maqola Qisqacha mazmunisi. Ushbu maqolada qishloq xo'jaligida inson resurslarining kapitallashuvining asosiy tendensiyalri va O'zbekistonda mehnat bozoridagi o'zgarishlarni o'rganishga bag'ishlangan. Tadqiqot natijalari global bozor munosabatlariga o'tish sharoitida qishloq xo'jaligida ish o'rinlarini qisqartirish tabiiy va rejalashtirilgan hodisa bo'lib, o'z navbatida yuqori malakali kadrlar va iqtidorli mutaxassislar tayyorlash zaruriyatini keltirib chiqaradi, degan xulosaga kelindi.

Kalit so'zlar: raqamlashtirish, inson resurslari, inson kapitali, qishloq aholisi, mehnat bozori, inson kapitali, baholash usullari, qishloq xo'jaligi.

O'ZBEKISTONDA RAQAMLI VA MEDIA REKLAMA FAOLIYATI SAMARADORLIGINI OSHIRISH YO'LLARI

Abduvoxidov Akmal ABDULAZIZOVICH,

Guliston davlat uniersiteti dotsenti,

Olimova Nodira XAMRAKULOVNA,

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Qisqacha mazmuni: Bugungi kunda ijtimoiy-iqtisodiy hayotning barcha jabhalariga raqamli texnologiyalar tobora jadal kirib kelmoqda, bu o'z navbatida butun bir iqtisodiyotning ekotizimiga ta'sir ko'rsatmoqda va rqamlashtirishni kun tartibiga dolzarb vazifa qilib qo'yimoqda. Shundan kelib chiqqan holda, mazkur maqola raqamli reklamani yo'lga qo'yish borasidagi jahondagi va O'zbekiston dagi tendentsiyalar tahlil qilingan.

Kalit so'zlar: raqamli iqtisodiyot, raqamli texnologiyalar, raqamlashtirish, tijorat platformasi, marketing, raqamli marketing, media marketing.

Abstract: Today, digital technologies are increasingly penetrating into all aspects of socio-economic life, which, in turn, affects the ecosystem of the entire economy and makes digitalization an urgent task on the agenda. Based on this, this article analyzes trends in the world and Uzbekistan regarding the creation of digital advertising.

Keywords: digital economy, digital technologies, digitization, commercial platform, marketing, digital marketing, media marketing.

THE ROLE OF CLUSTERING POLICY IN IMPROVING THE COMPETITIVENESS OF AGRICULTURE IN THE COUNTRY

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Abstract: The formation of a competitive economy, strengthening the position of the country's economy in the world economy, and improving the efficiency of the country's agricultural production is of paramount importance. In the constantly growing conditions of food security problems, the article analyzes the issues of clustering in improving the competitiveness of agriculture.

Keywords: national economy, competition, competitiveness, competitive advantages, agriculture, clustering, food security.

ISHSIZ YOSHLAR RAQOBATBARDOSHLIGINI OSHIRISHDA MOLIYA-KREDIT TIZIMIDAN SAMARALI FOYDALANISH

G'.QAXXOROV, *GulDU tayanch doktoranti*

D.QODIROVA, *GulDU mustaqil izlanuvchisi*

Qisqacha mazmuni: Ushbu maqolada ishsiz yoshlar raqobatbardoshligini oshirishning ijtimoiy-iqtisodiy ahamiyati asoslanilgan, O'zbekiston Respublikasida "Yoshlar – kelajagimiz" Davlat dasturi doirasida amalga oshirilayotgan tadbirlar yoritilgan, "Yoshlar – kelajagimiz" jamg'armasi mablag'laridan Davlat dasturidagi tadbirlarni moliyalashtirish yo'nalishlari keltirilgan. Ishsiz yoshlarning raqobatbardoshligini oshirish uchun ularni mehnat bozorida talab yuqori bo'lgan ishchi kasblar (mutaxassisliklar) o'qitish maqsadga muvofiqligi asoslanilgan. Yoshlar tadbirkorlik klasterlarini samarali tashkil qilish choralari ishlab chiqilgan. Ishsiz yoshlarni kasb-hunarga o'qitish bo'yicha qisqa muddatli o'quv kurslari

sonini va sifatini oshirish maqsadida nodavlat ta'lim muassasalari bilan hamkorlik aloqalarini kuchaytirish hamda ularni bandlikka ko'maklashish davlat jamg'armasi mablag'lari hisobidan moliyalashtirishni kengaytirish bo'yicha takliflar ishlab chiqilgan.

Kalit so'zlar: ishsizlar, yoshlar, mehnat bozori, ishchi kuchi taklifi, yoshlar tadbirkorligi, moliya-kredit tizimi, raqobatbardoshlik

OTM TALABALARINI ISH BILAN BANDLIKKA TAYYORLASH ASOSIDA IQTISODIYOTNI INNOVATSION RIVOJLANTIRISHNING MAVJUD XOLATI

B.NORBO'TAEV, *GulDU mustaqil tadqiqotchisi*

N.RASULOVA, *GulDU mustaqil tadqiqotchisi*

Z.NEGMATULLAEVA, *GulDU talabasi*

Qisqacha mazmuni: Mazkur maqolada OTM talabalarini ish bilan bandlikka tayyorlash asosida iqtisodiyotni innovatsion rivojlantirishning mavjud xolati bo'yicha ilmiy nazariy tahlillar keltirilgan.

Kalit so'zlar: OTM talabalarini, ish bilan bandlik, iqtisodiyotni innovatsion rivojlantirish.

Abstract: This article presents a scientific and theoretical analysis of the current state of innovative development of the economy based on the preparation of students of higher educational institutions for employment.

Keywords: university students, employment, innovative development of the economy.

O'ZBEKISTONDA RAQAMLI IQTISODIYOT SHAROITIDA INTERNET-MARKETINGDAN FOYDALANISH MEXANIZMI

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Qisqacha mazmuni: Tezisdan raqamli iqtisodiyot tushunchasi, internet-marketing tushunchasi, raqamli iqtisodiyot sharoitida internet-marketingdan foydalanish, foydalanishdagi muammolar va kamchiliklar tahlil qilindi. O'zbekiston sharoitida internet-marketingdan foydalanish samaradorligini yanada oshirish haqida takliflar berildi. Internet-marketing mamlakat iqtisodiyotidagi o'rni va ahamiyati yoritildi.

Kalit so'zlar: internet-marketing, iste'molchi, biznes, dizayn, reklama, mediya, kommunikatsiy, vebtarmoq, Customer Relationship Management.

Abstract: In the thesis, the concept of digital economy, the concept of internet marketing, the use of internet marketing in the conditions of the digital economy, the problems and shortcomings of its use were analyzed. Proposals were made to further increase the effectiveness of internet marketing in the conditions of Uzbekistan. The

role and importance of Internet marketing in the country's economy was highlighted.

Keywords: internet marketing, consumer, business, design, advertising, media, communication, web network, Customer Relationship Management.

IQTISODIY FANLARNI O'QITISHDA INNOVATSION TA'LIM TEXNOLOGIYALARIDAN FOYDALANISH

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Qisqacha mazmuni: Maqolada zamonaviy ta'lim sohasidagi innovatsion texnologiyalar, ilg'or tajribalar, ta'limga yondashuvi haqida tushuncha hamda yangicha dars o'tish usullarining o'ziga xos xususiyatlari haqida fikr yuritilgan.

Kalit so'zlar: innovatsiyalar, innovatsion texnologiyalar, ta'lim, axborot, aqliy hujum, interaktiv ta'lim texnologiyalari, loyihalarni o'qitish texnologiyalari, multimedia texnologiyalari, yondashuv.

Abstract: The article discusses innovative technologies in the field of modern education, best practices, understanding of the approach to education, features of new teaching methods.

Keywords: innovations, innovative technologies, education, information, brainstorming, interactive educational technologies, project-based learning technologies, multimedia technologies, approach.

MINTAQALARDA INVESTITAIYA JOZIBADORLIGINI OSHIRISH VA ULARNI BAHOLASH USLUBIYATINI TAKOMILLASHTIRISH

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Aziza Davronbek qizi MATQURBONOVA, *talaba*

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Qisqacha mazmuni: Maqolada tarkibiy o'zgarishlarni chuqurlashtirish, hududlar iqtisodiyotini rivojlanishining investitsion jozibadorligini oshirish, investitsion loyihalarni moliyalashtirish, samarali boshqarish va ularni baholash uslubiyotini takomillashtirish masalalari yoritilgan.

Kalit so'zlar: hududlar, investitsiyalar, investitsion jozibadorlik, baholash, loyiha, moliyalashtirish, integratsiya.

Abstract: The article covers the issues of deepening structural changes, increasing the investment attractiveness of regional economic development, financing of investment projects, effective management and improvement of their evaluation methodology.

Keywords: regions, investments, investment attractiveness, assessment, project, financing, integration.

ПРОБЛЕМЫ ПОСТРОЕНИЯ СИСТЕМЫ ОБУЧЕНИЯ ПРАКТИКЕ «ВЗАИМОДЕЙСТВИЕ УНИВЕРСИТЕТА И ПРЕДПРИЯТИЯ» ПО СЕЛЬСКОХОЗЯЙСТВЕННОЙ СПЕЦИАЛЬНОСТИ

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Qisqacha mazmuni: Анализируя основные проблемы, существующие в практической системе преподавания сельскохозяйственной специальности на фоне вступления нашей страны в период массового высшего образования, делается предположение о том, что сотрудничество университета и предприятия является наиболее эффективным способом решения проблемы. Это позволит повысить всесторонние способности студентов и выходить на сотрудничество с «нулевой дистанцией».

Ключевые слова: высшее образование, сельскохозяйственная специальность, сотрудничество школы и предприятия.

Abstract: Analyzing the main problems that exist in the practical system of teaching the agricultural specialty against the background of our country's entry into the period of mass higher education, the assumption is made that the cooperation between the university and the enterprise is the most effective way to solve the problem. This will increase the all-round ability of students and enter into cooperation with "zero distance".

Keywords: higher education, agricultural specialty, school-enterprise cooperation.

НАПРАВЛЕНИЯ СОВЕРШЕНСТВОВАНИЯ БУХГАЛТЕРСКОГО УЧЕТА В БЮДЖЕТНЫХ ОРГАНИЗАЦИЯХ В УСЛОВИЯХ ЦИФРОВОЙ ЭКОНОМИКИ

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Аннотация: В данной статье рассматриваются основы учета с поставщиками и покупателями в бюджетных организациях. Проанализировано текущее состояние и возможности расчетов с поставщиками и покупателями (контрагентами) в программном комплексе бюджетных организаций «УзАСБО». Обоснована необходимость обеспечения интеграции цифровых технологий при осуществлении взаиморасчетов с бизнесом и ее преимущества.

Ключевые слова: электронное выставление счетов, электронная цифровая подпись, хозяйствующие субъекты, программный комплекс УзАСБО.

ACCOUNTING DIRECTIONS FOR BUDGET ORGANIZATIONS IN THE DIGITAL ECONOMY

Abstract: This article looks at the fundamentals of budget accounting with suppliers and purchasers. The existing position and potential for settlements with suppliers and purchasers (counterparties) in the budget organization software package “UzASBO” are examined. The need for digital technology integration in the implementation of mutual settlements with enterprises, as well as its benefits, is supported.

Keywords: electronic invoicing, electronic digital signature, business entities, UzASBO software package.

CLASSIFICATION OF TAXES AND OTHER COMPULSORY PAYMENTS

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Abstract: The article is devoted to the methods of reduction of tax and other compulsory payments arrears, as well as the issues of changing and improving the mechanism of compulsory collection of arrears are covered in detail. As a result of the research relevant conclusions have been formed, scientific offers and practical recommendations have been worked out.

Keywords: tax debt, arrears, compulsory collection, tax administration, Tax Code, benefits, taxpayer, tax liability, business entities.

MAHALLIY BYUDJET DAROMADLARI HISOBINI TAKOMILLASHTIRISH

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Durdona Shuxratjon qizi XAYDAROVA

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Qisqacha mazmuni: Mazkur maqolada mahalliy byudjet daromadlari hisobi bo'yicha nazariy-uslubiy masalalar bayon qilingan. Mahalliy byudjet daromadlarini tashkil etish, tuzish, ko'rib chiqish, tasdiqlash yuzasidan o'rganilishi lozim bo'lgan masalalar ko'rib chiqilgan. O'z novbatida mahalliy byudjet daromadlarini hisoblashda qatnashuvchi yuqori va quyi organlarning huquqlari, majburiyatlari va burchlarini o'rni va rolini kuchaytirish masalalari yoritilgan.

Kalit so'zlar: davlat byudjeti, byudjet tashkiloti, mahalliy byudjet, byudjet daromadlari, mahalliy soliqlar, mahalliy hokimiyat, byudjet loyihasi, byudjet jarayoni

Abstract: This article describes the theoretical and methodological issues of the calculation of local budget revenues. Issues that should be studied in connection with the organization, compilation, review and approval of local budget revenues were considered. In turn, issues of strengthening the role and role of the higher and lower bodies participating in the calculation of local budget revenues are highlighted.

Keywords: state budget, budget organization, local budget, budget revenues, local taxes, local government, budget project, budget process

WAYS OF IMPROVING THE ACTIVITY OF SMALL INDUSTRY ZONES IN SIRDARYA

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Abstract: Small industrial zones play an important role in the development of the industrial sector of the regions of our country and in ensuring the employment of young people. The main problems of organizing a small industrial zone on the basis of investment projects intended for the production of import-substituting products are analyzed in detail in the article. The proposals given in the article serve to organize and develop the activities of small industrial zones.

Keywords: tenant, directorate, land plot, investment obligations, engineering and technical communications.

CHORVACHILIK TARMOG'IDA TADBIRKORLIK FAOLIYATINI RIVOJLANTIRISH MEXANIZMLARI

Hilola Shoyimqul qizi ESHQULOVA

Guliston davlat universiteti doktoranti

Qisqacha mazmuni: Mamlakatda chorvachilikni rivojlantirishda yuzaga

kelayotgan muammolar va ularning istiqbollari ustuvor ahamiyat kasb etadi. Bunda birinchi navbatda aholi jon boshiga to'g'ri keladigan sut, go'sht va tuxum mahsulotlarini iste'mol qilish darajasini tibbiy me'yorlar talablariga yetkazish, yetishtirilgan mahsulotlarni qayta ishlash tarmoqlarini, shuningdek, chorvachilik tarmog'ida kichik biznes muhitini yanada yaxshilash va rivojlantirish talab etiladi. Chorvachilikni rivojlanishi natijasida sanoat tarmoqlarining rivojlanishi ham ta'minlanadi. Chorvachilik tarmoqlarida inson salomatligi uchun zarur, oqsil moddalariga boy bo'lgan turli xildagi mahsulotlarni yetishtirib aholini ta'minlaydi.

Keywords: livestock, dairy, food, productivity, meat, business, income, processing, industry, farms, agriculture, incentives

Abstract: Problems arising in the development of animal husbandry in the country and their prospects are of priority. In this, first of all, the per capita consumption of milk, meat and eggs should be brought up to the requirements of medical standards, further improvement of the processing industries of cultivated products, as well as the small business environment in the livestock industry, and development is required. As a result of the development of animal husbandry, the development of industrial sectors is also ensured. Livestock industries provide the population with the production of various products rich in proteins, which are necessary for human health.

Kalit so'zlar: chorvachilik, sut, oziq-ovqat, mahsuldorlik, go'sht, biznes, daromad, qayta ishlash, sanoat, fermer xo'jaliklari, qishloq xo'jaligi, rag'batlantirish

MEHNAT BOZORIDA YOSHLAR RAQOBATBARDOSHLIGINI OSHIRISH TIZIMIGA ZAMONAVIY TEXNOLOGIYALARNI TATBIQ ETISH YO'LLARI

S. KOMILOVA

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Qisqacha mazmuni: Maqolada mehnat bozorida yoshlar raqobatbardoshligini oshirish tizimiga zamonaviy texnologiyalarni tatbiq etish yo'llari o'rganilgan. Shuningdek, inson resurslarini strategik boshqarishda zamonaviy texnologiyalarini qo'llash amaliyoti tahlil etilib, uni takomillashtirish yo'llari yuzasidan tavsiyalar ishlab chiqilgan.

Kalit so'zlar: mehnat bozori inson resurslari, mehnat resurslari, inson omili, inson kapitali, personal, strategik boshqaruv, zamonaviy texnologiyalar, innovasion yondashuv, kreativ boshqarish.

RAQAMLI IQTISODIYOTNI SHAKLLANTIRISHDA ZAMONAVIY TEXNOLOGIYALARNING QO'LLANILISHI VA AHAMIYATI

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Javohirbek Jo'raqul o'g'li BEGIMQULOV, *magistr*

Nozimjon O'ktam o'g'li SHARAFIDDINOV, *talaba*

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Qisqacha mazmuni: O'zbekistonning xalqaro savdo tizimiga integratsiyalashuvida, mahsulot va tovarlar importi va eksportning o'sib borishida axborotlashtirish sohasidagi texnologiyaning rivoji yangicha davrni boshlab bermoqda. 3D-texnologiyasining iqtisodiyot sohasida keng qo'llanilishi tadbirkorlarning yangi sinfining vujudga kelishiga va tadbir etish jihatlari yoritilgan.

Kalit so'zlar: raqamli iqtisodiyot, axborot, WiMAX texnologiyasi, intellekt, neyron to'rlar, biznes, bank, moliya, birja.

Abstract: In the integration of Uzbekistan into the international trade system, the growth of import and export of products and goods, the development of information technology is starting a new era. Wide use of 3D technology in the field of economy leads to the emergence of a new class of entrepreneurs and aspects of its application are highlighted.

Keywords: digital economy, information, WiMAX technology, intellect, neural networks, business, banking, finance, stock exchange.

MAMLAKATNING ZAMONAVIY TARAQQIYOTIDA RAQAMLI IQTISODIYOTNING O'RNI

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Soliq qo'mitasi huzuridagi Fiskal institut talabasi

Qisqacha mazmuni: Ushbu tezisda mamlakatning zamonaviy taraqqiyotida raqamli iqtisodiyotning o'rni va ahamiyati yoritildi. Raqamli iqtisodiyotni bosqichma-bosqich joriy qilish yo'llari ko'rib chiqildi. Zamonaviy taraqqiyot tushunchasi va raqamli iqtisodiyot tushunchasi haqida mushohada olib borildi. Zamonaviy taraqqiyotga erishayotgan mamlakatlarning raqamli iqtisodiyotdan foydalanish jarayonidagi muammolar, kamchiliklar va afzalliklar ko'rib chiqildi, yechimlar taklif qilindi.

Kalit so'zlar: Zamonaviy taraqqiyot, raqamli iqtisodiyot, samaradorlik, raqobat, axborot texnologiyasi, axborot madaniyati.

Abstract: In this thesis, the role and importance of the digital economy in the modern development of the country was highlighted. Ways of step-by-step introduction of digital economy were considered. The concept of modern development and the concept of digital economy were observed. Problems, shortcomings and advantages in the process of using the digital economy of modern developing countries and solutions were proposed.

Keywords: Modern development, digital economy, efficiency, competition, information technology, information culture.

HUDUDİY DARAJADAGI TARKIBIY O'ZGARISHLARDA RAQAMLI IQTISODIYOTNING O'RNI

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Go'zalxon Murodqosim qizi UBAYDULLAYEVA, *talaba,*
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Qisqacha mazmuni: Raqamli iqtisodiyotni jadal rivojlantirish uchun shart-sharoitlar yaratish, hududlarni izchil rivojlantirish, davlat boshqaruvi tizimini yanada takomillashtirish, undan foydalanish imkoniyatlarini kengaytirish, zamonaviy infratuzilmani qo'llash masalalari yoritilgan.

Kalit so'zlar: raqamli iqtisodiyot, internet, axborotlashtirish, koalitsiya, blokcheyn.

Abstract: Creating conditions for the rapid development of the digital economy, consistent development of regions, further improvement of the state administration system, expansion of its use opportunities, and the use of modern infrastructure are highlighted.

Keywords: digital economy, Internet, information, coalition, blockchain.

FINANCIAL LITERACY AND THE IMPORTANCE OF THE CREDIT SYSTEM THEREIN

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Abstract: Today, improving financial literacy is considered an issue of global importance, and in the process of calculating credit, taxes, compound interest and the use of financial goods and services, in the future, competent management of household finances, proper planning of future income, to be able to distribute, he must have an understanding of credit and how to repay it.

Keywords: Financial literacy, credit, loan repayment, compound interest,

RAQAMLI IQTISODIYOTNI RIVOJLANTIRISHNING MAMLAKAT IQTISODIY O'SISHIGA TA'SIRI

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Qisqacha mazmuni: Raqamlashtirish dunyo iqtisodiyotining iqtisodiy o'sishida hal qiluvchi omil bo'lib kelmoqda. Raqamli iqtisodiyotni rivojlantirish nafaqat alohida iqtisodiy tizimlar uchun, balki butun davlat uchun ustuvor vazifa hisoblanadi. Raqamlashtirish jarayoni to'rtinchi sanoat inqilobiga va oltinchi

texnologik tartibga o'tishdagi hal qiluvchi ahamiyatga ega. Milliy iqtisodiyotni raqamlashtirish allaqachon ko'pgina mamlakatlar iqtisodiy rivojlanishining muhim tarkibiy qismiga aylandi va yaqin kelajakda o'zbekistonliklarning raqobatbardoshligi va turmush darajasini oshirib, ishlab chiqarishning barqaror o'sishi uchun institutsional asosga aylanmoqda.

Kalit so'zlar: milliy iqtisodiyot, raqobatbardoshlik, raqamli iqtisodiyot, raqamli texnologiyalar, tejamkorlik, texnologik uklad, sanoat inqilobi.

Abstract: Digitalization has been a decisive factor in the economic growth of the world economy. The development of the digital economy is a priority not only for individual economic systems, but also for the entire state. The digitization process is decisive in the transition to the Fourth Industrial Revolution and the sixth technological order. Digitalization of the national economy has already become an important component of the economic development of most countries, and in the near future it is becoming an institutional basis for the sustainable growth of production, increasing the competitiveness and standard of living.

Keywords: national economy, competitiveness, digital economy, digital technology, thrift, technological uklad, Industrial Revolution.

DUKKAKLI DON MAXSULOTLARINI YETISHTIRISHDA IQTISODIY SAMARADORLIKNI OSHIRISH

Alisher QUDRATOV

Guliston Davlat Universiteti Doktoranti

Qisqacha mazmuni: Mazkur maqolada dukkakli don maxsulotlarini yetishtirishda iqtisodiy samaradorlikni oshirishda izchil izlanishlar olib borish, oziq-ovqat maxsulotlari xavfsizligini ta'minlash va iste'mol ratsionini yaxshilash, talab etiladigan miqdordagi oziq-ovqat mahsulotlari etishtirishni nazarda tutuvchi oziq-ovqat xavfsizligi davlat siyosatini ishlab chiqish va joriy etishda, don va dukkakli ekinlar ilmiy tadqiqot institutida kuzgi yumshoq bug'doyning duragaylash yo'li bilan yuqori hosilli, kasalliklarga chidamli, don sifati talab darajasidagi navlarni tanlash, yaratish bo'yicha olib borilgan kuzatuvlar va natijalar tahlili yoritilgan.

Kalit so'zlar: don va dukkakli ekinlar, iste'mol ratsionini, yumshoq bug'doy, duragay, xosildorlik, selektsiya

KICHIK BIZNES SUB'EKTLARINING INNOVATSION FAOLLIGINI OSHIRISH

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Nigora Nurmuxamadovna SAFIYEVA, o'qituvchi

Samandar Anvar o'g'li BERDIQULOV talabasi

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Qisqacha mazmuni: mazkur maqolada respublikamiz kichik korxonalarining

innovatsion faolligini hozirgi holati, unga ta'sir etuvchi omillar, faollikni oshirish omillari va yo'nalishlari, YaIM va aholi bandligida kichik biznesning ulushi, innovatsion faollikni oshirishga qaratilgan davlat siyosati o'rganilgan hamda statistik ko'rsatkichlar asosida tahlil etilgan.

Kalit so'zlar: innovatsiya, kichik biznes, bandlik, xudud, oilaviy tadbirkorlik, ilmiy loyiha, ta'lim, ishlanma.

Abstract: in this article, the current state of the innovative activity of small enterprises of our republic, factors affecting it, factors and directions for increasing activity, the share of small business in GDP and population employment, the state policy aimed at increasing innovative activity, and based on statistical indicators are studied analyzed.

Keywords: innovation, business, employment, territory, family business, scientific project, education, development.

YER-SUV RESURLARIDAN SAMARALI FOYDALANISHNING TASHKILYI IQTISODIY ASOSLARI

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Qisqacha mazmuni: Maqolada yer-suv resurslaridan samarali foydalanishning tashkiliy iqtisodiy asoslari ko'rib chiqilgan. Agrosanoat kompleksini yaratish obyektiv zaruriyati bu zamonaviy sharoitda samarali qishloq xo'jaligi mahsulotlarini ishlab chiqarish ko'p jihatdan iqtisodiyotning muvaffaqiyatli faoliyat ko'rsatishiga bog'liq. qishloq xo'jaligi tarmoqlari tuzilmasi o'zgarishiga eng kuchli ta'sir ko'rsatuvchi omillardan biri yer-suv resurslaridan samarali foydalanishdir.

Kalit so'zlar: fermer xo'jaligi, dehqon xo'jaligi, arenda, suv xo'jaligi tizimi, cheklangan suv resurslari, iqtisodiy jihatlar.

Abstract: The organizational and economic foundations of effective use of land and water resources are considered in the article. The objective necessity of creating an agro-industrial complex is that the production of effective agricultural products in modern conditions largely depends on the successful functioning of the economy. one of the factors that have the strongest influence on the change in the structure of agricultural sectors is the effective use of land and water resources.

Keywords: farming, lease, water management system, limited water resources, economic aspects.

DEVELOPMENT OF INCLUSION IN HIGHER SCHOOL - A PRIORITY DIRECTION FOR MANIFESTING THE QUALITY OF EDUCATION

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Abstract: The article discusses the need for the development of inclusive education in higher educational institutions of Uzbekistan. The current situation in this direction is analyzed, problems and barriers that negatively affect the implementation of the set goal are identified, possible directions for resolving these problems in the implementation of reforms in the development of inclusive education in Uzbekistan are considered.

Keywords: inclusive education, employment, disability, higher education institutions, persons with disabilities, Braille.

Қисқача мазмуни: Мақолада Ўзбекистон олий таълим муассасаларида инклюзив таълимни ривожлантириш зарурияти кўриб чиқилган. Олий таълим муассасаларида инклюзив таълимни ривожланишинг мавжуд ҳолати таҳлил қилинган, таълимнинг ушбу шаклини ривожлантиридаги муаммо ва тўсиқлар аниқланиб, уларни бартараф этишнинг устувор йўналишлари таклиф этилган.

Калит сўзлар: инклюзив таълим, меҳнат билан бандлик, ногиронлик, олий таълим муассасалари, ногиронлар, Брайл алифбоси.

TEKNOLOGIYALARNI QO'LLASH VA XORIJIY TILLARNI MUKAMMAL O'RGATISH, TA'LIMDA USTUVOR ISLOHOTLAR

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Qisqacha mazmuni: Tezisdа oliy ta'lim sohalarida olib borilayotgan islohotlar haqida hamda Prezidentimiz oliy ta'limni isloh qilish bilan bir qatorda oliy ma'lumotli kadrlar ulushuni oshirish orqali yetakchi davlatlar safiga kirishimiz va bu sohada qo'shimcha islohotlar uchun takliflar va xorijiy tillarni oliy ta'lim uchun naqadar muhimligi. Iqtisodiyot sohalarida xususan, soliq sohasini o'qitishda xorij tili bilan bir vaqtda soliq fanlarini xorij tillarida olib borilishi haqida xususiy taklif berilgan.

Kalit so'zlar: Ingliz tili, xorij tilidagi sohaga oid kitob, oliy ta'lim islohot, Raqamli kitob, intensiv kurslar

Abstract: The thesis is about the reforms in the field of higher education and how our president, along with the reform of higher education, will join the ranks of leading countries by increasing the share of highly educated personnel, and proposals for additional reforms in this field, and how important it is for higher education of foreign languages. A special proposal has been made to teach tax subjects in foreign languages at the same time as a foreign language in the fields of economics, for example, in the field of taxation.

Keywords: English, Foreign Language Field Books, Higher Education Reform, Digital Book, Intensive Courses

THE NEGATIVE AND POSITIVE ASPECTS OF ARTIFICIAL INTELLIGENCE IN ECONOMICS

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Abstract: The article also analyzes the results planned and used in practice in foreign countries on the development of technologies and mechanisms of artificial intelligence. Strategic objectives set in this direction in Uzbekistan are evaluated. As an important part of the socio-economic system the directions of artificial intelligence technologies use in the agrarian sphere are offered.

On February 17, 2021 the Decision of the President of the Republic of Uzbekistan "About measures on creation of conditions for operative introduction of technologies of artificial intelligence" is accepted. The purpose of this Decree is the rapid introduction of artificial intelligence technology in accordance with the Strategy "Digital Uzbekistan - 2030" and their widespread use in our country, ensuring the availability of digital data and their high quality, providing qualified personnel in this area.

Keywords: information technology, agriculture, fuzzy sets, computer recognition, forecasting. Schumpeterian economics, digitalization, SI application techniques, artificial intelligence, digital economy.

DON ISHLAB CHIQUARISH BARQARORLIGINI TA'MINLASHDA XORIJIY TAJRIBALAR

Gulizahro Qaxxorovna TURAYEVA

Guliston Davlat Universiteti mustaqil tadqiqotchisi

Qisqacha mazmuni: Maqola materiallari jahonda bug'doy yetishtirish to'g'risidagi ma'lumotlarni o'z ichiga oladi, asosiy bug'doy ishlab chiqaruvchi mamlakatlarda yig'imlar hajmi to'g'risidagi ma'lumotlar (TOP-100). Maqola AB-Center Agrobiznes ekspert-tahlil markazi ekspertlari tomonidan Birlashgan Millatlar Tashkilotining Oziq-ovqat va qishloq xo'jaligi tashkiloti (FAO), Iqtisodiy hamkorlik va taraqqiyot tashkiloti (OECD) statistik va prognoz ma'lumotlari asosida tayyorlangan.

Keywords: grain and grain products, grain production, productivity, efficiency, grain independence, agricultural technology.

QISHLOQ XO'JALIGIDA SMART ISHLAB CHIQUARISH TIZIMINI TAKOMILLASHTIRISH

Olimjon YUSUFALIYEV

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Olimjon UMARALIYEV

Guliston Davlat Universiteti "Iqtisodiyot" kafedrasida o'qituvchisi

Qisqacha mazmuni: Maqolada qishloq xo'jaligini rivojlantirishda "Smart qishloq xo'jaligi" negizida integratsiyalashgan "Smart ishlab chiqarish" tizimini shakllantirishning resurs imkoniyatlari tahlil qilingan. Ilg'or xorij tajribasini qishloq xo'jaligi misolida milliy iqtisodiyotda qo'llash imkoniyatlari "Smart qishloq xo'jaligi" negizida integratsiyalashgan "Smart ishlab chiqarish" platformasini shakllantirish asosida baholangan. Qishloq xo'jaligi mahsulotlarini ishlab chiqarishda "Smart ishlab chiqarish" tizimini tashkil etuvchilarining funktsional bloklari sharhlab berilgan.

Kalit so'zlar: Qishloq xo'jaligi, ishlab chiqarish, smart qishloq xo'jaligi, "smart ishlab chiqarish" platformasi, axborot almashinuv modeli, jahon tajribasi

ОСНОВНЫЕ ПРЕИМУЩЕСТВА И НЕДОСТАТКИ ЦИФРОВИЗАЦИИ ОБРАЗОВАНИЯ

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Стажер-преподаватель, Гулистанский государственный университет

Abstract: The digitalisation of education is of particular importance because it is a major factor in the development of every country. Digitalization of education is associated with the concepts of digital literacy, media literacy and computer literacy. Digitalization of pedagogical processes enhances opportunities for interaction between students and teachers and can therefore have a direct impact on the quality of education. A comparative analysis of the advantages and disadvantages of digitalization of education enables a more intelligent approach to the definition of the essence and content of education.

Keywords: digital education, e-learning, technology enhanced learning, media literacy, digital literacy, computer competence, digitalization

MAMLAKATIMIZDA QISHLOQ XO'JALIGI RAQOBATBARDOSHLIGINI OSHIRISHDA KLASTERLASHTIRISH SIYOSATINING O'RNI

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Qisqacha mazmuni: Raqobatbardosh iqtisodiyotni shakllantirish, mamlakat iqtisodiyotining jahon iqtisodiyotidagi o'rnini mustahkamlash, oziq-ovqat xavfsizligi muammosi tobora kuchayib borayotgan bir sharoitda mamlakat qishloq xo'jaligi ishlab chiqarishi samaradorligini oshirish dolzarb ahamiyat kasb etadi. Shundan kelib chiqqan holda, mazkur maqolada qishloq xo'jaligi raqobatbardoshligini oshirishda klasterlashtirish masalalari tahlil qilingan.

Kalit soʻzlar: milliy iqtisodiyot, raqobat, raqobatbardoshlik, raqobat ustunliklari, qishloq xoʻjaligi, klasterlashtirish, oziq-ovqat xavfsizligi.

RAQAMLASHTIRISH SHAROITIDA KADRLARNI TAYYORLASHNING OʻZIGA XOS XUSUSIYATLARI

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Qisqacha mazmuni: Maqolada raqamlashtirish jarayonining mohiyati va uning kadrlar tayyorlash bilan aloqasi muhokama qilinadi. Raqamlashtirish sharoitida yuqori malakali kadrlar tayyorlash va tayyorlash uchun oʻquv jarayonida qoʻllaniladigan yangi texnologiyalarga xarakterli xususiyat berilgan. Raqamlashtirish kontekstida kadrlar tayyorlashning xususiyatlari aniq misolda - xaridlar sohasidagi mutaxassislarining raqamli koʻnikmalarini tahlil qilish orqali koʻrib chiqiladi.

Kalit soʻzlar: kadrlarni tayyorlash, raqamli iqtisodiyot, raqamlashtirish.

SPECIFIC CHARACTERISTICS OF STAFF TRAINING IN DIGITAL CONDITIONS

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Abstract: The article discusses the nature of the digitization process and its relationship with personnel training. In the conditions of digitization, the new technologies used in the educational process for the preparation and training of highly qualified personnel are given a characteristic feature. The specifics of personnel training in the context of digitization will be considered through the analysis of digital skills of specialists in the field of procurement.

Keywords: personnel training, digital economy, digitization.

АНАЛИЗ ЭКОНОМИЧЕСКОГО РОСТА РЕСПУБЛИКИ УЗБЕКИСТАНА

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Аннотация: в статье будут изучены сущность и факторы влияющие на экономической рост нашей страны. Динамика основных макроэкономических показателей за 2019-2022год. В Республике Узбекистан, на основе анализа макроэкономических показателей, было выявлено что в ряд показателей имеет тенденцию роста. В то время показатели как продукция промышленности и инвестиций в основной капитал в 2019 – 2020 годах показали умеренный спад. В ходе нашего исследования мы определили главные проблемы

которые препятствуют национальному экономическому росту Республика Узбекистан. Также нами было предложено некоторые меры для обеспечения экономического роста в нашей стране.

Ключевые слова: экономический рост, занятость, теневая экономика, наукастинг.

INNOVATSION IQTISODIYOTGA O'TISHDA AGRAR SEKTORNI RIVOJLANTIRISH OMILLARI

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Xalimjonov Dilshod Ergashbekovich, O'qituvchi
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Qisqacha mazmuni: mazkur maqolada respublikamizda agrar sohani 2020 - 2030 yillarga mo'ljallangan innovatsion rivojlanish strategiyasini ishlab chiqish, uning tarkibiy qismlari, ustuvor yo'nalishlari, maqsadi va uni bajarishga qaratilgan vazifalar yoritilib, kelajakda erishilishi lozim bo'lgan natijalar va ko'rsatkichlar tahlil etilgan.

Kalit so'zlar: agrar soha, qayta ishlash, oziq-ovqat xavfsizligi, strategiya, innovatsiya, qo'shilgan qiymat, standart, agrar tadbirkorlik.

RAQAMLI IQTISODIYOTNI JORIY ETISH VA RIVOJLANTIRISH JIHATLARI

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Shoxjahon Jaloliddin o'g'li ABDUMALIKOV, 2 kurs magistrant
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Qisqacha mazmuni: mazkur maqolada respublikamizda raqamli iqtisodiyotni joriy etish va uni rivojlantirishning ayrim jihatlari, jumladan raqamli iqtisodiyot platformasini joriy etilishi, personifikatsiya qilingan servis modellaridan samarali foydalanish, ishlab chiqaruvchilar va iste'molchilarning bevosita o'zaro aloqa qilishini samarali ta'minlash, bozorda individual qatnashchilar xissasini sezilarli oshirish jarayoni o'rganilgan bo'lib, raqamli iqtisodiyotni rivojlantirish yo'llari tahlil etilgan.

Kalit so'zlar: raqamli asr, platforma, innovatsiya, texnologiya, biznes model, elektron biznes

INNOVATSION FAOLIYATINI DAVLAT TOMONIDAN QO'LLAB-QUVVATLASH YO'NALISHLARI

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magistrant, Toshkent moliya instituti

Qisqacha mazmuni: mazkur maqolada respublikamizda va xorijda innovatsion faoliyatni davlat tomonidan tartibga solish va qo'llab quvvatlash tizimining mavjud holati, unga ta'sir etuvchi omillar, davlat siyosatining vositalari, ilmiy-texnik faoliyatni tashkil etish tamoyillari va uni moddiy qo'llab-quvvatlash jihatlari o'rganilgan bo'lib, xorij tajribasidan samarali foydalanish jarayoni tahlil etilgan.

Kalit so'zlar: innovatsion sub'ekt, davlat siyosati, innovatsiya, texnologiya, investitsiya, ilmiy-texnik ijod.

O'ZBEKISTONNING INNOVATSION RIVOJLANISH STRATEGIYASI

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Qisqacha mazmuni: mazkur maqolada respublikamizda innovatsion rivojlanish strategiyasini ishlab chiqish, uning maqsad-vazifalari, amal qilish tamoyillari, unga qo'yiladigan talablar, mamlakatda innovatsiyalarni rivojlantirishning ustuvor yo'nalishlari, erishiladigan natijalar va ko'rsatkichlar yoritilib, kelajakda innovatsion infratuzilma sub'ektlarini to'liq shakllantirish tizimi tahlil etilgan.

Kalit so'zlar: strategiya, innovatsiya, ishlanma, ilmiy markaz, innovatsion g'oya, tenopark.

KORXONALARDA INNOVATSION FAOLIYATNI TASHKIL ETISH ASOSLARI

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Qisqacha mazmuni: mazkur maqolada respublikamiz korxonalarida innovatsion faoliyatni tashkil etish asoslari, jumladan mintaqalarda ilmiy loyihalarni tashkil etish va joriy etish maqsadida innovatsion faoliyat va texnologiyalar transferiga mas'ul hududiy markazlar sonini oshirish, fan tizimini boshqarishni takomillashtirish, ilmiy-innovatsion faoliyatning qonuniy va me'yor huquqiy asosini kengaytirish, fan sig'imi yuqori texnologik ishlab chiqarishni shakllantirish maqsadida etakchi tarmoqlarda hamkorlikdagi qo'shma dasturlarni ko'paytirish kabi jarayonlar o'rganilib, ulardan amaliyotda samarali foydalanish tizimini takomillashtirish yo'nalishlari tahlil etilgan.

Kalit so'zlar: innovatsiya, ilmiy loyiha, ta'lim, bilimlar iqtisodiyoti, yuqori texnologiya, ishlanma.

ZAMONAVIY KORXONALARDA INNOVATSION STRATEGIYANI TAKOMILLASHTIRISH YO'NALISHLARI

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Qisqacha mazmuni: mazkur maqolada respublikamiz korxonalarida innovatsion strategiyani takomillashtirish asoslari, jumladan mintaqalarda ilmiy loyihalarni tashkil etish va joriy etish maqsadida innovatsion faoliyat va texnologiyalar transferiga mas'ul hududiy markazlar sonini oshirish, fan tizimini boshqarishni takomillashtirish, ilmiy-innovatsion faoliyatning qonuniy va me'yor huquqiy asosini kengaytirish, fan sig'imi yuqori texnologik ishlab chiqarishni shakllantirish maqsadida etakchi tarmoqlarda hamkorlikdagi qo'shma dasturlarni ko'paytirish kabi jarayonlar o'rganilib, ulardan amaliyotda samarali foydalanish tizimini takomillashtirish yo'nalishlari tahlil etilgan.

Kalit so'zlar: taraqqiyot strategiyasi, ilmiy tadqiqot, ilmiy hajmdor, innovatsiya, texnologiya, sanoat zonasi.

O'ZBEKISTONDA RAQAMLI IQTISODIYOT SHAROITIDA INTERNET-MARKETINGDAN FOYDALANISH MEXANIZMI

Azamat Djurayevich ZARIPOV, o'qituvchi

O'ktamov Javohir Nabijon o'g'li, o'qituvchi

Guliston Davlat Universiteti,

Qisqacha mazmuni: Tezisdan raqamli iqtisodiyot tushunchasi, internet-marketing tushunchasi, raqamli iqtisodiyot sharoitida internet-marketingdan foydalanish, foydalanishdagi muammolar va kamchiliklar tahlil qilindi. O'zbekiston sharoitida internet-marketingdan foydalanish samaradorligini yanada oshirish haqida takliflar berildi. Internet-marketing mamlakat iqtisodiyotidagi o'rni va ahamiyati yoritildi.

Kalit so'zlar: internet-marketing, iste'molchi, biznes, dizayn, reklama, mediya, kommunikatsiy, vebtarmoq, Customer Relationship Management.

Abstract: In the thesis, the concept of digital economy, the concept of internet marketing, the use of internet marketing in the conditions of the digital economy, the problems and shortcomings of its use were analyzed. Proposals were made to further increase the effectiveness of internet marketing in the conditions of Uzbekistan. The role and importance of Internet marketing in the country's economy was highlighted.

Keywords: internet marketing, consumer, business, design, advertising, media, communication, web network, Customer Relationship Management.

OLİY TA'LIM MUSSASALARIDA SIFATLI TA'LIMNI TASHKIL ETISH: MAUMMOLAR VA ECHIMLAR

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Qisqacha mazmuni: Maqolada bugungi kunda oliy ta'lim mussasalarida sifatli ta'limni tashkil etish bo'yicha olib borilayotgan ishlar, soha bo'yicha maummolar va ularning echimlari bo'yicha takliflar keltirilgan.

Kalit so'zlar: oliy ta'lim, o'quv jarayoni, mustaqil ish, mustaqil ta'lim, ta'lim sifati, zamonaviy dars.

“BUXGALTEPIYA HISOBI VA SOLIQQA TORTISH” FANINI O'QITISHDAGI INNOVATSIYALAP VA ILG'OP XORIJIY TAJRIBALAR

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Qisqacha mazmuni: Maqolada “Buxgalteriya hisobi va soliqqa tortish” fanini o'qitish jarayonida innovatsiyalar va ilg'or xorijiy tajribalardan foydalanish masalalari bayon qilingan. Har bir darsni innovatsion texnologiyalar va ilg'or xorijiy tajribalardan foydalanib tashkil etish bo'yicha tavsiyalar keltirilgan.

Kalit so'zlar: innovatsiya, ta'lim, modernizatsiya, kompetentlik, texnologiya, ijodkorlik, integratsiya, investitsiya.

O'ZBEKISTON PENSIYA TIZIMINI TAKOMILLASHTIRISHDA XORIJ TAJRIBASINI QO'LLASH IMKONIYATLARI

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Qisqacha mazmuni: Maqolada xorijiy mamlakatlarda pensiya tizimini tashkil topishi, rivojlanishi va o'ziga xos xususiyatlarini o'rganish asosida mamlakatimiz pensiya tizimini takomillashtirish yuzasidan ayrim xulosa va tavsiyalar shakllantirilgan.

Kalit so'zlar. Pensiya tizimi, davlat byudjeti, davlat jamg'armasi, xususiy jamg'arma, pensiya yoshi, pensiya to'lovi.

Abstract: The article based on the study of the origin, development and characteristics of the pension system in foreign countries to form some conclusions and recommendations to improve the national pension system.

Keyword:. The pension system, state budget, public savings, private savings, retirement age, the pension payment.

THE ROLE OF THE DIGITAL ECONOMY IN REDUCING TRANSACTION COSTS IN THE HOUSEHOLD SECTOR

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Jamshid O'ktamqul o'g'li XOLIQULOV *teacher*
Husniddin Eshbulovich MAMATKULOV, *master*
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Abstract: In the article, the problems of increasing the economic activity of households through the introduction of modern digital technologies are thoroughly analyzed. The proposals given in the article serve to ensure the active integration of households into the digital economy sector, reduce various transaction costs in their activities, and thereby increase the economic activity of this sector.

Keywords: digital economy, innovation, digitization, digital technologies, software.

OTSENKA RESHENIYA O SMENE PARADIGMI V VISSHEM OBRAZOVANII PUTEM SIFROVOY TRANSFORMATSII

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Dostonbek Boxodir ugli ESHPULATOV, *prepodavatel*
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Qisqacha mazmuni: Sifrovaya transformatsiya v poslednie godi stala odnoy iz glavnix seley obrazovatelnix uchrejdeniy, osobenno visshix uchebnix zavedeniy. Issledovanie zavershaetsya okonchatelnim resheniem upomyanutoy problemy, t.ye. mir transformiruetsya v osnovnom iz-za sifrovogo razvitiya i diversifikatsii, gde vishee obrazovanie takje menyaetsya v rezultate vinujdenogo izmeneniya metodologicheskix podxodov, i yemu nujna otsenka kriteriev prinyatiya resheniya s nadlejashim protsessom i obosnovaniem.

Klyucheviyе slova: vishee obrazovanie, sifrovizatsiya, transformatsiya.

Abstract: Digital transformation in recent years has become one of the main goals of educational institutions, especially higher education institutions. The study ends with the final solution of the mentioned problem, i.e. the world is being transformed mainly due to digital development and diversification, where higher education is also changing as a result of forced changes in methodological approaches, and it needs an assessment of decision-making criteria with proper process and justification.

Keywords: higher education, digitalization, transformation.

CHARACTERISTICS OF THE CURRENCY MARKET IN UZBEKISTAN

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Abstract: The article examines the current state of the foreign exchange market of Uzbekistan and the changes taking place in it, as well as their positive impact on the well-being of the population and raising the standard of living. In addition, directions for the development of the foreign exchange market were studied and suggestions and recommendations were developed regarding the need for improvement.

Keywords: currency, foreign exchange market, international money transfers, import, export, currency transactions, currency liquidity, currency conversion

TA'LIM TIZIMIDA AXBOROT TEXNOLOGIYALARINING O'RNI VA AHAMIYATI

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Soliq qo'mitasi huzuridagi Fiskal instituti talabasi

Qisqacha mazmuni: Kadrlar tayyorlash milliy dasturini amalga oshirishdagi asosiy tamoyillardan biri - bu ta'lim tizimini tuzilish va mazmun jihatidan isloh qilish uchun o'qituvchi va murabbiylarni qayta tayyorlash, yuqori malakali, raqobatga qodir mutaxassislar tayyorlash bo'yicha ta'lim muassasalarining faoliyatini uyg'unlashtirish, ilg'or pedagogik texnologiyalarni, pedagogik innovatsiyalarni ta'lim jarayoniga kiritish hisoblanadi. Ammo ilg'or pedagogik texnologiyalar va innovatsiyalar o'z-o'zidan ta'lim tizimiga kirib kelmaydi. Bu o'qituvchi faoliyati va uning motivatsiyasiga bog'liq jarayon. O'qituvchi faoliyatini o'zgartirmay turib, uning mas'uliyati va faolligini oshirmasdan ta'limda bir qadam oldinga siljib bo'lmaydi.

Kalit so'zlar: Axborotlashtirish, axborot texnologiyalari, pedagogik texnologiyalar, innovatsiya, internet tizimlari, telekonferensiya.

Abstract: One of the main principles in the implementation of the national personnel training program is to harmonize the activities of educational institutions for the retraining of teachers and trainers, training of highly qualified, competitive specialists in order to reform the educational system in terms of structure and content. , the introduction of advanced pedagogical technologies, pedagogical innovations into

the educational process. But advanced pedagogical technologies and innovations do not enter the education system by themselves. This process depends on the activity of the teacher and his motivation. One step forward in education cannot be made without changing the activity of the teacher, without increasing his responsibility and activity.

Keywords: Information, information technologies, pedagogical technologies, innovation, Internet systems, teleconference.

MILLIY IQTISODIYOTNI RAQOBATBARDOSHLIGINI TA'MINLASHDA FANLARARO TA'LIMNING O'RNI

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Baxtiyor Abduraximovich NARBUTAYEV, *o'qituvchi*
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Qisqacha mazmuni: Maqolada milliy iqtisodiyotni raqobatbardoshligini oshirish uchun uni modernizatsiya qilishning asosiy sharti sifatida fanlararo ta'lim zarurligi asoslangan. Milliy iqtisodiyotning raqobatbardoshligini oshirishga xizmat qiluvchi kelajak tafakkurini shakllantirishning ahamiyati belgilangan. Mehnat bozorida shaxsning raqobatbardoshligini ta'minlash jarayonlarida fanlararo ta'limning ahamiyatini oshiradigan yondashuv taklif etilgan.

Kalit so'zlar: modernizatsiya, fanlararo ta'lim, raqobatbardoshlik, milliy iqtisodiyot.

THE IMPACT OF INTERDISCIPLINARY EDUCATION ON NATIONAL ECONOMY COMPETITIVENESS

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Abstract: The importance of multidisciplinary education as a crucial requirement for modernizing the national economy and increasing competitiveness. Determine the relevance of future-oriented thinking in contributing to the growth of the national economy's competitiveness. An method that emphasizes the relevance of multidisciplinary education in the process of assuring an individual's labor-market competitiveness.

Keywords: modernization, interdisciplinary education, competitiveness, national economy.

IQTISODIYOTNI RIVOJLANTIRISH VA TARTIBGA SOLISHDA SOLIQQA TORTISH MEXANIZMINING NAZARIY ASOSLARI

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Qisqacha mazmuni: Iqtisodiy islohotlarni amalga oshirishda davlat barcha

iqtisodiy usullar, ya'ni pul-kredit, soliq, boj, tarif va ayrim sohalarda bahoni shakllantirish kabi mexanizmlardan keng foydalanadi. Bu o'rinda soliqlarning muhim moliyaviy dastak sifatida iqtisodiy jarayonlarga ta'sirini o'rganish muhim ahamiyat kasb yetadi. Shu nuqtai nazardan iqtisodiyotni rivojlantirish va tartibga solishda soliq mexanizmining nazariy ahamiyatini tadqiq qilingan.

Kalit so'zlar: Soliq mexanizmi, soliqqa tortish mezanizmi, soliq munosabatlari, soliq nazorati, soliqlarni rejalashtirish, tartibga solish, imtiyozlar va sanksiyalar.

INSON KAPITALI -KADRLAR TAYYORLASHDA RAQAMLASHTIRISH "AKTIVI" SIFATIDA

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Abstract: Innovative activity plays an important role in the sustainable development of the country's regions, reducing disparities between regions, in this regard, improving the quality of personnel training, retraining and advanced training, and digitalization are of decisive importance. The main production factor of the digital economy is information in digital form, and it should be an activity for managing the digital economy, which serves to form the information space, taking into account the needs of citizens and society in obtaining high-quality and reliable information, and also to form new technological foundations for social and economic spheres. In the digital economy, the main asset of countries will be human capital.

Kalit so'zlar: digital economy, digitization, human capital, human capital management, effective management mechanism

THEORETICAL ASPECTS OF INDUSTRIAL DEVELOPMENT BASED ON IMPORT SUBSTITUTE PRODUCTION

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Abstract: This article analyzes the fight against poverty specifics, which is one of the biggest challenges facing humanity, and the priorities for poverty reduction in Uzbekistan, based on other countries experience.

Keywords: sustainable development, poverty, poorness, subsistence minimum, consumer basket, population income, Gini coefficient, Lorenz curve, human capital, poverty trap.

INTERNET-BANKING–PULMABLAG‘LARINIBOSHQARISHNING ZAMONAVIY USULI

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Nargisxon Safarboyevna SOIPOVA, magistr

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Qisqacha mazmuni: Hozirgi zamon sharoitlarida banklarda “Internet-banking” tizimi paydo bo‘ldi. Maqolada Internet-banking xizmatlari spektrini o‘rganib, uning samaradorligini aniqlashga harakat qilindi. Bu boradagi bank xizmatlari tahlil qilinib, mijozlar orasida so‘rov o‘tkazildi.

Kalit so‘zlar: Internet-banking, pul mablag‘lari, samaradorlik, mijoz, xizmat turlari, so‘rov.

Abstract: In modern conditions, the Internet banking system has appeared in banks. The article made an attempt to study the range of Internet banking services, to identify its effectiveness. At the same time, banking services were analyzed and a survey was conducted among customers.

Keywords: Internet banking, funds, efficiency, client, types of services, survey.

TURISTIKKLASTERLARNIYARATISHVARIVOJLANTIRISHNING NAZARIY ASOSLARI

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Farg‘ona davlat universiteti dotsenti

Anvar Mamayusupovich MADAMINOV,

Farg‘ona davlat universiteti katta o‘qituvchisi

Qisqacha mazmuni: Bugungi kunda turizm sohasini rivojlantirish, hududlarning turistik jozibadorligini oshirish masalalariga hukumat darajasida alohida e‘tibor qaratilmoqda. Shundan kelib chiqqan holda, mazkur maqolada mamlakatimizda erkin turistik zonalarni yaratish va rivojlantirish masalalariga alohida e‘tibor qaratilgan.

Kalit so‘zlar: turizm, turistik klaster, turistik hudud, turistik hudud raqobatbardoshligi, maxsus iqtisodiy hudud.

Abstract: Today, special attention at the government level is paid to the development of the tourism sector, increasing the tourist attractiveness of the regions. Based on this, this article is devoted to the creation and development of free tourist zones in our country.

Keywords: tourism, tourist cluster, tourist zone, competitiveness of the tourist zone, special economic zone.

ОЦЕНКА РЕШЕНИЯ О СМЕНЕ ПАРАДИГМЫ В ВЫСШЕМ ОБРАЗОВАНИИ ПУТЕМ ЦИФРОВОЙ ТРАНСФОРМАЦИИ

Гайрат Ибрагимович БЕРДИЕВ, PhD., доцент

Достонбек Боходир угли Эшпулатов, преподаватель

Шералиева Фарангиз Нарзулла кизи, студент

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Аннотация: Цифровая трансформация в последние годы стала одной

из главных целей образовательных учреждений, особенно высших учебных заведений. Исследование завершается окончательным решением упомянутой проблемы, т.е. мир трансформируется в основном из-за цифрового развития и диверсификации, где высшее образование также меняется в результате вынужденного изменения методологических подходов, и ему нужна оценка критериев принятия решения с надлежащим процессом и обоснованием.

Ключевые слова: высшее образование, цифровизация, трансформация.

Abstract: Digital transformation in recent years has become one of the main goals of educational institutions, especially higher education institutions. The study ends with the final solution of the mentioned problem, i.e. the world is being transformed mainly due to digital development and diversification, where higher education is also changing as a result of forced changes in methodological approaches, and it needs an assessment of decision-making criteria with proper process and justification.

Keywords: higher education, digitalization, transformation.

SAQLASH OMBORLARINING QISHLOQ XO'JALIGI LOGIS-TIKASIDAGI O'RNI MAVZUSINI YORITISHDA INNOVATSION YONDASHUV

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Umidbek Djurabekovich BABABEKOV, *o'qituvchi*

Azizbek Ilashboy o'g'li ERGASHOV, *o'qituvchi*

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Qisqacha mazmuni: Ushbu maqolada Qishloq xo'jaligi mahsulotlarni saqlash va dastlabki ishlash texnologiyasita'lim yo'nalishi talabalariga agrologistika fanidan saqlash omborlari mavzusini o'qiishda zamonaviy pedogogik texnologiyalarga asosan o'tish maqsadga muvofiqligi haqida fikrlar bildirilgan. Pedagogik texnologiyalarni tanlashda fan va mavzuning o'ziga xosligini hisobga olinishi taklif etilgan. Etishtirilgan qishloq xo'jaligi mahsulotlarini talab darajasida yaxshi saqlash hamda is'temolchi extiyojini qondirishda omborlarni o'rni muhim hisoblanadi.

Kalit so'zlar: pedagogik texnologiya, innovatsiya, zamonaviy omborlar, muzlatkichlar, saqlash muddatlari, olma, nok, behi va boshqa mahsulotlarni saqlash usulari.

Abstract: In this article, the students of the agricultural product storage and preliminary processing technology education direction are given opinions about the feasibility of switching to modern pedagogical technologies in studying the subject of storage warehouses from the science of agrologistics. It is proposed to take into account the specificity of the subject and the subject when choosing pedagogical technologies. The role of warehouses is important in keeping agricultural products at the level of demand and satisfying consumer needs.

Keywords: pedagogical technology, innovation, modern warehouses, refrigerators, storage periods, methods of storing apples, pears, quinces and other

products.

TEXNIK VA TEXNOLOGIK FANLARNI O'QITISH SIFATINI OSHIRISHDA INNOVATSION TEXNOLOGIYALARDAN FOYDALANISH.

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Mansur Karimovich NURIEV, *magistr, katta o'qituvchi,*
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Qisqacha mazmuni: Maqolada Guliston davlat universiteti o'quv jarayonida yangi texnologiyalardan foydalanish - pedagogik innovatsion usullarni yanada takomillashtirish, professor-o'qituvchilarning ish uslubini sifat jihatida o'zgartirilishi va pedagogik tizimda tuzilmaviy o'zgarishlarni amalga oshirishning imkoniyat va natijalari keltiriladi.

Kalit so'zlar: pedagogik texnologiya, innovatsion usul, mustaqil ta'lim, innovatsion texnologiya, axborot texnologiyasi, ta'lim tizimi, telekommunikatsion texnologiya, o'qitish usullari, o'quv maqsadi, o'zlashtirish (reproduktiv, sermahsul, ijodiy) darajalari

Abstract: The article presents the possibilities and results of the use of new technologies in the educational process of Gulistan State University - further improvement of pedagogical innovative methods, qualitative changes in the work style of professors and teachers, and implementation of structural changes in the pedagogical system.

Keywords: pedagogical technology, innovative method, independent education, innovative technology, information technology, educational system, telecommunication technology, teaching methods, educational goal, mastering (reproductive, productive, creative) degrees

TUPROQQA ASOSIY ISHLOV BERISH TEXNOLOGIYASI MAVZUSINI CASE STUDY METODI YORDAMIDA TASHKIL ETISHNING MOHIYATI.

Ermamat Sayfiddinovich QURBONOV, *t.f.n. dotsent*
Valijon Abdvaitovich ERMATOV *o'qituvchi*
Guliston davlat universiteti

Qisqacha mazmuni: Maqolada Tuproqqa asosiy ishlov berish texnologiyasi mavzusini yoritishda **Case Study** metodidan foydalanish jarayonlari va bu metod orqali talabalarda bilim, ko'nikma va amaliy jihatdan malakalarining shakllanishi keltirilgan. Shuningdek talaba mavzu yuzasidan zaruriy sifatlarni yani tanqidiy fikrlashni, muammoga ob'ektiv yondashishga, ma'suliyatli bo'lishni, nazariya va amaliyot o'rtasida uzviy bog'liqlikni shakllantiradi.

Kalit so'zlar: Case Study, innovatsiya, zamonaviy, metod, ta'lim tizimi, talabalar, Tuproqqa asosiy ishlov berish, agrotexnik tadbir, fikrlash qobiliyati, tuproq.

Abstract: the article presents the processes of using the Case Study method in highlighting the topic of Basic Soil processing technology and the formation of skills in knowledge, skills and practical aspects in students through this method. Also, the student forms the necessary qualities on the topic, namely critical thinking, an objective approach to the problem, responsiveness, an inextricable connection between theory and practice.

Keywords: Case Study, innovation, modern, method, education system, students, basic soil processing, agrotechnical event, thinking ability, soil.

EFFECTIVE TEACHING AND LEARNING OF AGRICULTURAL SCIENCE FOR AGRICULTURAL MECHANIZATION

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Elbek Elmurodovich ABDUNAZAROV,

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Abstract: The effective teaching and learning of agricultural science for mechanization involves the use of innovative methods and tools to enhance students' understanding of modern agricultural practices. This requires a shift from traditional teaching methods to a more practical and hands-on approach that emphasizes experiential learning. The use of technology and agricultural machinery can help students to grasp the concepts of mechanization and its impact on agriculture. Additionally, the incorporation of real-world examples and case studies can provide students with a deeper understanding of how agricultural science can be applied in practice. Ultimately, effective teaching and learning of agricultural science for mechanization can help prepare students for careers in the rapidly evolving agricultural industry.

Keywords: Agricultural science, mechanization, effective teaching, learning strategies, constructivist learning theory, problem-based learning, inquiry-based learning, cooperative learning, technology integration, software and simulations, crop simulation models, precision agriculture, virtual reality, evaluating learning outcomes.

QISHLOQ XO'JALIGI FANLARINI O'QITISHDA TALABALAR BILIMINI BAHOLASHDA NOSTANDART TESTLARDAN FOYDALANISH

Sayitqul Saydullayevich To'XTAMISHEV *katta o'qituvchi*

Davronbek Ulug'bek o'g'li ABDURAIMOV *stajyor- o'qituvchi*

Guliston davlat universiteti

Qisqacha mazmuni: Ushbu maqolada "Qishloq xo'jaligi sohasida mutaxassislik fanlarni o'qitishda ilmiy yangiliklar va ilg'or tajribalarni yangi pedagogik yondashuvlar orqali ta'lim jarayoniga tatbiq etish masalalari ko'rsatib

o'tilgan. maqolada respublikamizda va xorijda oziq-ovqat hamda qishloq xo'jaligi sohasida xalqaro standartlar tizimini joriy etish to'g'risida talabalar chuqur bilim olishlari uchun yangi pedagogik texnologiyalarni qo'llash asosida tushuntirish yuzasidan ma'lumotlar keltirib o'tilgan. Bir nechta yangi zamonaviy pedagogik texnologiyalarni ta'lim jarayonida qo'llab, ma'ruza, laboratoriya va amaliy mashg'ulotlar hamda mustaqil ta'lim olishlarida tatbiq etish jihatlari yoritilgan.

Kalit so'zlar: ilg'or tajribalar, integrativ testlar, adaptiv testlar, mezonli-mo'ljal olish testlari, o'lchash usuli

Abstract: In this article, the issues of applying scientific innovations and best practices to the educational process through new pedagogical approaches in the teaching of specialized subjects in the field of agriculture are shown. The article provides information on the implementation of the international standards system in the field of food and agriculture in our republic and abroad, based on the application of new pedagogical technologies for students to gain in-depth knowledge. Several new modern pedagogical technologies are used in the educational process, and the aspects of their implementation in lectures, laboratory and practical sessions, as well as independent studies are covered.

Keywords: best practices, integrative tests, adaptive tests, criterion-referenced tests, measurement method

TA'LIMNING KREDIT MODUL TIZIMIDA KIMYO FANLARIDAN MUSTAQIL TA'LIMNI TASHKIL ETISH

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Mirfayzi Raximqul o'g'li Tursunov, *o'qituvchi*

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Qisqacha mazmuni: Maqolada universitetlarda ta'lim tizimidagi yangi talablar bo'yicha kimyo ta'limi yo'nalishida talabalarning mustaqil ta'limini tashkil etish, talaba mustaqil ishini zamonaviy usulda takomillashtirishda nazariy, amaliy va laboratoriya mashg'ulotlarining o'rni, kurs ishlari, o'quv amaliyotining tashkil etilishi, malakaviy bitiruv ishini mustaqil tayyorlashga ko'nikma hosil qilishning tartibi yoritilgan.

Kalit so'zlar: mustaqil ta'lim, o'quv amaliyoti, kredit-modul tizimi, erkin fikrlash, ilmiy, zamonaviy, nazorat, baholash.

BIOLOGIYA DARSLARIDA BILISH FAOLIYATINI TAKOMILLASHTIRISH SHAKLLARI

Nodira Abduvahobovna ABLAKULOVA

Guliston davlat universiteti dotsenti,

Qisqacha mazmuni: maqolada darsda o'quvchilarning bilish faoliyati va o'qituvchining pedagogik faoliyati, faoliyatini tashkil etish va boshqarish dars strukturasi, local darajadagi pedagogik texnologiyalar yoritib berilgan.

Kalit so'zlar: ta'lim, o'quvchi, metodlar, vositalari, bilim, ko'nikma, baho,

pedagogic, biologiya.

BIOLOGIYA O'QITISHDA ELEKTRON AXBOROT TA'LIM RESURSLARIDAN FOYDALANISH

Nigoraxon Muxammadkodiroyva SULTONOVA

Guliston davlat universiteti dotsenti,

Qisqacha mazmuni: maqolada zamonaviy texnik vositalardan foydalanganda o'qituvchi va o'quvchining ro'li, o'quv jarayonining tabiati, uning usuli va mazmuni, elektron ta'lim resurslaridan darslarda foydalanish, jamoaviy ta'lim doirasida o'quv jarayonini individuallashtirish va faollashtirish shakllari yo'ritilgan.

Kalit so'zlar: axborot texnologiyalari, kognitiv, shakl, fotosurat, videofilm, dinamik model, virtual, interaktiv.

“HAYVONLAR SELEKSIYASI” FANIDAN MA'RUZA DARSLARINI O'QITISHDA INNOVATSION YONDASHUVLAR

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Qisqacha mazmuni: This article highlights the issues of using modern pedagogical and innovative technology in lectures on the subject of “Animal breeding”. Based on the specifics of the subject, in order to ensure the guaranteed acquisition of knowledge and skills by students, in the course of teaching lectures, along with natural visual aids, it is recommended to show animated multimedia using information technologies, as well as to apply such innovative pedagogical technologies as “Blitz survey Technology”, “FGMU Technology” and graphic organizers “Why?”.

Keywords: animation, blitz, modern pedagogical technology, innovative technology, multimedia, FGMU.

BIOLOGIYA DARSLARIDA O'QUV LOYIHASI

Feruza Pardabaevna GAIBNAZAROVA

Guliston davlat universiteti dotsenti

Qisqacha mazmuni: maqolada ijodiy loyihalar, o'qituvchilarning ijodiy imkoniyatlari, loyihalash faoliyati turlari va ishlanmalari yoritib berilgan.

Kalit so'zlar: ilmiy-tadqiqot, o'qituvchi, loyihalash, faoliyat, ijodiy, metod, kompetensiya, refleksiv, kommunikativ, pedagogik texnologiya.

BIOLOGİK TA'LİM JARAYONIDA TADQIQOTCHILIK FAOLIYATINI RIVOJLANTIRISH TEXNOLOGIYALARI

Nargiza Kamalovna SAFAROVA

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Qisqacha mazmuni: Ta'lim tizimidagi zamonaviy yondashuvlar o'quvchilarning ijodiy mehnat faoliyatiga intilish, kasbiy-metodik kompetentlikni va kasbiy ijtimoiy qadriyatlar dunyosini yuqori darajada egallash, kreativ ijodkorlik, tadqiqotchilik faoliyatiga yo'naltirish alohida e'tiborga qaratilgan.

Kalit so'zlar: global, jarayon, axborotlashtirish, yondashuv, tizim, bilim, pedagogika, topshiriq

BIOLOGIYA DARSLARIDA "TRENAJER MASHQLAR"DAN FOYDALANISHNING O'ZIGA XOS XUSUSIYATLARI

Abdulla Tojiqulovich KARIMQULOV

Guliston davlat universiteti dotsenti

Qisqacha mazmuni: maqolada Umum ta'lim maktablarining biologiya darslarida interaktiv dasturiy vositalardan samarali foydalanishning shakl va usullari ochib berilgan.

Kalit so'zlar: elektron, resurs, axborot, dasturiy, amaliy-texnologik, mavzu, trenajer, mashq, o'quvchi, interfaol, zoologiya

SAQLASH OMBORLARINING QISHLOQ XO'JALIGI LOGISTIKASIDAGI O'RNI MAVZUSINI YORITISHDA INNOVATSION YONDASHUV

Umidbek Djurabekovich BABABEKOV, o'qituvchi

Ermamat Sayfiddinovich QURBONOV, t.f.n. dotsent

Azizbek Ilashboy o'g'li ERGASHOV, o'qituvchi

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Qisqacha mazmuni: Ushbu maqolada Qishloq xo'jaligi mahsulotlarni saqlash va dastlabki ishlash texnologiyasita'lim yo'nalishi talabalariga agrologistika fanidan saqlash omborlari mavzusini o'qiishda zamonaviy pedogogik texnologiyalarga asosan o'tish maqsadga muvofiqligi haqida fikrlar bildirilgan. Pedagogik texnologiyalarni tanlashda fan va mavzuning o'ziga xosligini hisobga olinishi taklif etilgan. Etishtirilgan qishloq xo'jaligi mahsulotlarini talab darajasida yaxshi saqlash hamda is'temolchi extiyojini qondirishda omborlarni o'rni muhim hisoblanadi.

Kalit so'zlar: pedagogik texnologiya, innovatsiya, zamonaviy omborlar, muzlatkichlar, saqlash muddatlari, olma, nok, behi va boshqa mahsulotlarni saqlash usulari.

Abstract: In this article, the students of the agricultural product storage and preliminary processing technology education direction are given opinions about the feasibility of switching to modern pedagogical technologies in studying the subject of storage warehouses from the science of agrolistics. It is proposed to take into account the specificity of the subject and the subject when choosing pedagogical technologies. The role of warehouses is important in keeping agricultural products at the level of demand and satisfying consumer needs.

Keywords: pedagogical technology, innovation, modern warehouses, refrigerators, storage periods, methods of storing apples, pears, quinces and other products.

TALABALAR O'QUV - TADQIQOT ISHLARI BU ULARINING PROFESSIONAL QIYOFASINI SHAKLLANTIRISHNING ZARUR VOSITASI

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Qisqacha mazmuni: Tadqiqot va taxlilarga asoslanib ta'lim va fanning maqsadlari umumiyliigi sababli uning yagona yechimni topishni kerakligi takidlanali. Oliy ta'limni keng doirada rivojlantirish zamonaviy sharoitda fanning va ilmiy xizmatning rivojlanishi kabi samaradorlikni oshirishga hamda ta'lim-tarbiya va tadqiqot jarayonlari oxirgi natijalarining o'sishiga yo'naltirilishi kerakligi asoslanadi.

Kalit so'zlar: Fan, ilm, to'garak, seminar, analitik, eksperiment, kuzatish, ijod, munoza, nazariya, ko'nikma, xulosa, tadbiiq, baholash, samara

Abstract: Based on research and analysis, it should be emphasized that due to the common goals of education and science, it is necessary to find a single solution. It is based on the fact that the development of higher education in a wide range should be directed to the development of science and scientific service, as well as to the growth of the final results of educational and research processes.

Keywords: Science, science, circle, seminar, analytical, experiment, observation, creation, discussion, theory, skill, conclusion, application, evaluation, effect

BO'LAJAK MUHANDISLARNI O'QITISHDA INNOVATSION USULLAR SAMARADORLIGI TAHLILI

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Qisqacha mazmuni: Mamlakat iqtisodiyotini rivojlantirish, aholi daromadlarini oshirishda agrar soha muhim manba bo'lib hisoblanadi. Bu ko'p jihatdan sohadagi kadrlarning salohiyatiga bog'liq. Maqola bo'lajak muhandislarni tayorlashda innovatsion metodlar samaradorligi va boshqa usullardan avfzalliklari haqida.

Kalit so'zlar: Innovasion, muhandis, asbob-uskunalar, materiallar, pedagogik texnologiyalar, klaster, modulli yondashuv.

SOFTWARE AND SIMULATIONS FOR TEACHING AGRICULTURAL MECHANIZATION SCIENCE

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Abstract: Agricultural mechanization has become an essential aspect of modern agriculture, requiring up-to-date knowledge and skills. Software and simulations are valuable tools for teaching agricultural mechanization science, providing a practical and hands-on learning experience to students. This article discusses the key software and simulations used for teaching agricultural mechanization science, including crop simulation models, precision agriculture tools, farm management software, and virtual reality and augmented reality applications.

Keywords: Agricultural mechanization, software, simulations, crop simulation models, precision agriculture tools, farm management software, virtual reality, augmented reality.

QISHLOQ XO'JALIGI FANLARINI O'QITISHDA QO'LLANILADIGAN PEDAGOGIK TEXNOLOGIYALAR

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Pulat DAVLATOV, katta o'qituvchi

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Qisqacha mazmuni: Ushbu maqolada bir nechta yangi zamonaviy pedagogik texnologiyalarni ta'lim jarayonida qo'llab, ma'ruza, laboratoriya va amaliy mashg'ulotlar hamda mustaqil ta'lim olishlarida tatbiq etish jihatlari yoritilgan.

Kalit so'zlar: pedagogik texnologiya, avtoritar texnologiya, ezoterik texnologiya, kommunikatsiya usullari

Abstract: This article describes the aspects of using several new modern pedagogical technologies in the educational process, applying them in lectures, laboratory and practical sessions, as well as independent education.

Keywords: pedagogical technology, authoritarian technology, esoteric technology, communication methods

ИНФОРМАЦИОННЫЕ ТЕХНОЛОГИИ ЯВЛЯЮТСЯ ОСНОВОЙ ОБЕСПЕЧЕНИЯ КАЧЕСТВА ОБРАЗОВАНИЯ ПО ХИМИИ

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Аннотация: В данной статье отмечена роль информационных технологий в повышении содержания образования и эффективности внедряемых в систему образования обновлений, интеграции науки и образования. Подчеркнута его важность в обеспечении качества подготовки кадров, а также преимущества и проблемы информационных технологий, используемых в химических науках.

Ключевые слова: химия, информационная технология, современный урок, интерактивные методы, качества образования, учебный процесс, химические формулы, мультимедиа.

Abstract: This article notes the role of information technology in improving the content of education and the effectiveness of updates introduced into the education system, the integration of science and education. Its importance in ensuring the quality of training, as well as the advantages and problems of information technology used in the chemical sciences, is emphasized.

Keywords: chemistry, information technology, modern lesson, interactive methods, quality of education, educational process, chemical formulas, multimedia.

PAHTA XOM-ASHYOSINI SAQLASH VA DASTLABKI ISHLASH TEXNOLOGIYALARI FANIDAN TALABALARGA BILIM BERISHDA INNOVATSION VA ZAMONAVIY PEDAGOGIK TEXNOLOGIYALARNING QO'LLANILISHI

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Qisqacha mazmuni: Bugungi kunda paxta xom-ashyosini saqlash va dastlabki ishlash texnologiyalari fanidan talabalarga bilim berishda va mavzularni o'qitishda zamonaviy pedagogik texnologiyalardan foydalanish yuzasidan fikr bildirilgan. Pedagogik texnologiyalarni tanlashda innovatsion texnologiyalar, fan va mavzuning o'ziga xosligini hisobga olinishi taklif etilgan.

Kalit so'zlar: texnologiya, innovatsiya, paxta, xom-ashyo, paxtani saqlash, qayta ishlash, jinlash, preslash, zamonaviy omborxonalar va paxtani qayta ishlash jarayonida pedagogik hamda innovatsion texnologiyalar.

Abstract: in this article, an opinion is expressed on the use of modern pedagogical technologies in the teaching of the requirements of the science of cotton

raw materials and initial processing technologies. When choosing pedagogical technologies, it is proposed to take into account innovative technologies, the uniqueness of science and the subject.

Keywords: technology, innovation, cotton, raw materials, cotton storage, processing, ginning, pressing, modern warehouses and pedagogical and innovative technologies in cotton processing.

INNOVATION IN AGRICULTURAL RESEARCH AND EDUCATION FOR AGRIPRENEURSHIP DEVELOPMENT IN UZBEKISTAN

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Abstract: This abstract will focus on the topic of innovation in agricultural research and education for agriprenurship development in Uzbekistan. Uzbekistan is an agrarian country with a significant portion of its population engaged in agricultural activities. However, the agriculture sector faces several challenges, including low productivity, limited access to modern technologies, and a lack of entrepreneurship culture. Innovation in agricultural research and education can play a crucial role in addressing these challenges and promoting agriprenurship in Uzbekistan. This abstract will discuss some ideas for innovation in agricultural research and education, such as promoting sustainable agriculture practices, using modern technologies, encouraging entrepreneurship, collaborating with industry, promoting value addition, diversification, and enhancing extension services. These ideas can help to improve the productivity, profitability, and sustainability of agriculture in Uzbekistan, making it an attractive and viable career option for young entrepreneurs. The abstract will conclude that innovation in agricultural research and education is crucial for the development of agriprenurship in Uzbekistan and can contribute to the country's economic growth and development.

Keywords: Agricultural mechanization, software, simulations, crop simulation models, precision agriculture tools, farm management software, virtual reality, augmented reality.

NUROTA TOG'LARI QORINOYOQLI MOLLYUSKALARINING HUDUD UCHUN YANGI TURLARI: TAVSIFI, TARQALISHI VA EKOLOGII-YASII

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Qisqacha mazmuni: Mazkur maqolada Nurota tog'lari qorinoyoqli mollyuskalarini sistematik tarkibini aniqlash, tarqalishi va ekologiyasini o'rganish natijasida qayd qilingan hudud uchun yangi turlarning tavsifi bayon etilgan. Nurota tog'laridagi tarqalgan 18 oila, 30 avlodga mansub, 54 turi qorinoyoqli molyuskalarning jami 14 ta turi Nurota tog'lari faunasi uchun yangi tur hisoblanadi. Maqolada keltirilgan ma'lumotlar ushbu hudud malakofaunasining biologik xilma-xilligini ko'rsatish orqali zoologik tadqiqotlarda muhim fundamental ahamiyat kasb etadi.

Kalit so'zlar: Nurota tog'lari, qorinoyoqli mollyuska, taksonomik tarkib, tarqalish, ekologiya, chig'anoq.

Abstract: The article provides a description of a species new to the region, recorded as a result of studying the systematic composition, distribution and ecology of gastropod mollusks in the Nurata Mountains. 18 families, 30 genera, 54 species of gastropods common in the Nurata mountains, 14 species are new to the fauna of the Nurata mountains. The information presented in the article is of fundamental importance in zoological research, showing the biological diversity of the malacofauna of this region.

Keywords: Nurata Mountains, gastropods, taxonomic composition, distribution, ecology, shell.

QISHLOQ XO'JALIGI FANLARINI O'QITILISHIDA INNOVATSION YONDASHUVLAR

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Qisqacha mazmuni: Maqolada qishloq xo'jaligi fani va amaliyoti misolida kasbiy ta'lim tizimida ham, oliy ta'lim tizimida ham qo'llaniladigan barqaror rivojlanish uchun ta'lim modelini ishlab chiqilishi to'g'risida fikrlar tahlil qilingan. 6 ta qishloq xo'jaligi yo'nalishi o'qituvchilari bilan bo'lib o'tgan suhbatlarda qishloq xo'jaligida barqarorlik g'oyasini qishloq xo'jaligi fanlari o'quv dasturiga kiritish, uni qo'llash va rivojlantirishda raqamli texnologiyalarning ishtiroki bo'yicha o'qituvchilarning fikr va munosabatlari muhokama qilingan.

Kalit so'zlar: barqarorlik, atrof-muhit, barqaror rivojlanish, ta'lim, pedagogik tushuncha, qishloq xo'jaligi, barqaror boshqarish.

GLITSIRRIZIN KISLOTASINING FITOGORMONLAR BILAN SUPRAMOLEKULAR KOMPLEKSINI SHIRIN KARTOSHKANI (*IPOMOEAE BATATAS* (L.) LAM.) O'SISHI VA RIVOJLANISHIGA TA'SIRI

B.ALMAMATOV, F. RAHMATOV

Guliston davlat universiteti o'qituvchilari

Qisqacha mazmuni: O'simliklarning o'sishi va rivojlanishini avjlantirish

asosida yuqori hosil olish holatini aniqlash maqsadida glitsirrizin kislotasining (GK) ayrim fitogormonlar (FG) (indol-3-sirka kislotasi (ISK); indol-3-moy kislotasi (IMK); naftalin-1-sirka kislotasi (NSK) va kinetin) supramolekulyar komplekslari ta'siri shirin kartoshkaning (*Ipomoea batatas* (L.) Lam.) «Mirzacho'l» navini kallus to'qimalarining hosil bo'lishi va vegetativ organlarining rivojlanishi o'rganildi. Bunda supramolekulyar komplekslar ta'sirida umumiy amilolitik fermentlar α - va β -amilaza faolligi nazoratga nisbatan ortishi aniqlangan. Fermentlarning faollik ko'rsatkich qiymati 5-sutkada $85,4 \pm 3,2$ (GK:ISK); $90,3 \pm 3,3$ (GK:NSK); $110,7$ (GK:IMK) $\pm 4,3$ va $100,0 \pm 2,6$ (GK:Kinetin) (gidr. mg kraxmal $\times 30$ min. G'g) ni tashkil qilishi aniqlangan. GK-IMK supramolekulyar kompleksining 10^{-5} M kontsentratsiyali ozuqalarida nazoratga nisbatan batatning kallus to'qimalari 1,2 marta, 10^{-7} M kontsentratsiyali ozuqada vegetativ organlari 1,8 marta yuqori darajada rivojlanishi aniqlangan.

Kalit so'zlar: batat, *in vitro*, glitsirrizin kislotasi, amilolitik fermentlar, fitogormon, supramolekulyar komplekslar.

ЗНАЧЕНИЕ ВИДА *LEHMANNIA VALENTIANA* В СЕЛЬСКОМ ХОЗЯЙСТВЕ В СЫРДАРЬИНСКОЙ ОБЛАСТИ

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Аннотация: Экономическое значение слизней определяется тем, что они питаются злаками, овощами и бахчевыми культурами, которые важны для жизни человека и наносят им большой вред, а также рядом слизней, которые действуют как промежуточные звенья в распространении эктопаразитарных заболеваний.

Систематическое изучение моллюсков в Узбекистане началось с 1990-х годов, но никаких исследований экономического значения слизней не проводилось. Приведены результаты исследования хозяйственного значения слизней на территории Узбекистана - повреждения сельскохозяйственных культур и растительности.

Ключевые слова: полифаг, влажность, заражение, организм, вредитель, безпозваночные, ракушка, паренхима растений

Abstract: The economic importance of slugs is determined by the fact that they feed on cereals, vegetables and gourds, which are important for human life and cause great harm to them, as well as a number of slugs that act as intermediate links in the spread of external parasitic diseases.

The systematic study of mollusks in Uzbekistan began in the 1990s, but no studies of the economic importance of slugs have been conducted. The results of a study of the economic significance of slugs on the territory of Uzbekistan - damage to agricultural crops and vegetation are given.

Keywords: polyphagy, moisture, infection, organism, pest, invertebrate, shell, plant parenchyma

KOVUL (*CAPPARIS SPINOSA L.*) O'SIMLIGINI IN VITRO KULTURASIDA KO'PAYTIRISH ISTIQBOLLARI

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Sarvinoz Habibjon qizi HOJIBOEOVA - *Guliston davlat universiteti magistri,*

Shoira Bahodir qizi KARIMOVA – *Guliston davlat universiteti o'qituvchisi,*

Karomat Maxmudjonovna ISMOILOVA - *Guliston davlat universiteti DSc doktranti.*

Qisqacha mazmuni: Mazkur makolada Kovul (*Capparis Spinosa L.*) o'simligi va uni urug'i asosida kulturalashda qo'llangan 3 xil sterillash usuli to'g'risida ma'lumot keltirilgan. Kovul urug'ini sterillashda eng optimal variant aniqlanib, natijalari tahlil qilingan.

Kalit so'zlar: Kovul (*Capparis Spinosa L.*), kultura, sterillash, dorivor, urug', ozuqaviy muhit, ko'paytirish.

SIRDARYO VILOYATI SUV HAVZALARIDAGI CHO'RTAN-BALIQLARNING *PHILOMETRA OBTURANS* PRENANT, 1886 NEMATODASI BILAN ZARARLANISHI

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Madilxon Azizxonovich SAIDOV, o'qituvchi,

Dilnoza Baxromovna BERDIBEKOVA, magistr,

Maftuna Yusupjonovna NURBOEVA, magistr.

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Qisqacha mazmuni: Ushbu maqolada Sirdaryo viloyati hududidagi suv havzalarida yashovchi *Esox lucius* Linnaeus baliqlarining *Philometra obturans* Prenant, 1886 bilan zararlanish holatlari, rivojlanish tsikli patogenezi va qarshi kurash choralari to'g'risida ma'lumotlar keltirilgan. Tadqiqot davomida baliqlarning turli yoshdagi 1 tur mansub 56 nusxasi tekshirildi.

Kalit so'zlar: Nematoda, filometroz, yirtqich baliqlar, gelmint, parazit, invaziya, asosiy va oraliq ho'jayin, patogenez, *Philometra obturans*, parazitlar kasalliklar, suv havzalari.

TUPROQ FIZIKASI FANINI O'QITISH USLUBLARI

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Qisqacha mazmuni: Maqolada tuproq fizikasi fani bo'yicha foydalangan

uslublar to'g'risidagi ma'lumotlar keltirilgan bo'lib, ushbu uslublar tizimli yondoshuv, faoliyatga yo'naltirilgan yondoshuv, dialogik yondoshuv, hamkorlikdagi ta'limni tashkil etish, muammoli ta'lim, o'qitish usullari va texnikasi, o'qitish vositalari, kommunikatsiya usullari, boshqarish usullari va tartibi, monitoring va baholash uslublarini tashkil etadi.

Abstract: The article provides information about the methods used in the field of soil physics, these methods constitute a systematic approach, an activity-oriented approach, a dialogical approach, the organization of collaborative education, problematic education, teaching methods and techniques, teaching tools, communication methods, management methods and procedure, monitoring and evaluation methods.

G'O'ZANI SUV TEJAMKOR SUG'ORISH TARTIBI VA TEXNOLOGI-YASINING SAMARADORLIGI

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Guliston davlat universiteti, dotsent

Xamidova Shaxnoza, *TIQXMMI MTU, PJD, dotsent,*

Qisqacha mazmuni: Suv resurslari tanqisligi oshib borayotgan sharoitda uning salbiy oqibatlarini yumshatish maqsadida Buxoro va Qashqadaryo viloyatlarining o'tloqi allyuvial va o'tloqi-bo'z, mexanik tarkibiga ko'ra o'rta qumoq tuproqlarida g'o'zaning suv tejamkor tomchilatib sug'orish usulidagi ilmiy asoslangan sug'orish tartibi o'rganildi. Tadqiqotlarda kuzatuv, o'lchov va tahlillar PSUEAITda qabul qilingan "Dala tajribalarini o'tkazish uslublari" xamda olingan ma'lumotlar aniqligi va ishonchliligi B.A.Dospexovning ko'p omilli uslubi SPSS (Statistical Package for Social Science) kompyuter dasturi yordamida matematik-statistik tahlil qilindi.

Kalit so'zlar: Iqlim o'zgarishi, suv tanqisligi, g'o'za, sug'orish tartibi, tomchilatib sug'orish, sug'orish me'yori, mavsumiy sug'orish me'yori, hosildorlik, tuproq, tuproqning suv-fizik xossalari, sizot suvlari, tuz rejimi, melioratsiya, samaradorlik, suv iqtisodi.

SIRDARYO VILOYATI SHAMOLLARNI KARTALASHTIRISHDA INTERNET MANBALARIDAN FOYDALANISH

Islom Kaxramonovich ARIPOV

GulDU tayanch doktoranti

Qisqacha mazmuni: Maqolada Sirdaryo viloyati shamollari bo'yicha tadqiqotlar olib borish va kartalashtirish, kartalashtirish uchun rastrli, vektorli va matnli ma'lumotlarni olish mumkin bo'lgan uzoq davriylikka ega tizimli hamda aniq ma'lumotli saytlar bilan ishlash haqida atroficha ma'lumotlar berilgan. Shuningdek, keltirilgan saytlarning ma'lumotlilik darajasi, ulardan olingan ma'lumotlar asosida kartalashtirish bo'yicha tavsiyalar berilgan va ba'zi namunalar keltirilgan.

Kalit soz'lar. Sirdaryo viloyati shamollari kartasi, maxsus shifrlı formatlar,

rastr, vektor, matnli ma'lumotlar, kartalashtirish, kartogramma, gidrometeorologik kuzatish nuqtalari, ventuskiy.com, windy.com.

XALQSELEKSIYASIDATANLANGANNAVLARXUSUSIYATLARINI O'RGANISHNING DARS MUKAMMALIGINI TA'MINLASHDAGI O'RNI.

Mamaraym TO'RAQULOV *t.f.n. dotsent Guliston davlat universiteti*
Sobir Toyirovich SANAYEV *q.x.f.d. professor Guliston davlat universiteti*
Aynaqulov Komiljon Baxtiyor *o'g'li tayanch doktorant Toshkent davlat agrar universiteti Samarqand filiali*
To'raqulova Ozoda Mamarayim qizi *Guliston davlat universiteti*

Qisqacha mazmuni: Xalq seleksiyasida tanlangan noyob namunalarni xususiyatlarini tinglovchilarga yetkazishning amaliy-ilmiy ahamiyati, hamda xalq seleksiyasida topilgan bir necha qimmatli meva va uzum mahalliy navlari namunalarining tavsiflari keltirilgan. Noyob navlarni saqlab qolish va ko'paytirishning zaruriyati va ahamiyati yoritilgan.

Kalit so'zlar: Xalq seleksiyasi, meva, uzum, bog'dchilik, nav, ko'chat, nav ko'rsatkichlari, navlarni saqlash, ko'paytirish.

Abstract: National selection presents the practical-scientific importance of communicating the characteristics of the celebrated noob specimens to the audience, as well as descriptions of samples of several valuable fruits and Grapes of local varieties found in folk selection. The need and importance of preserving and propagating rare varieties is highlighted.

Keywords: National selection, fruit, grapes, horticulture, variety, seedling, varietal indicators, variety storage, reproduction.

TALABALARGA QISHLOQ XO'JALIGI ISHLAB CHIQRISHINI MEXANIZATSIYALASHTIRISH FANINI O'QITISHDA INTERFAOL METODLARDAN FOYDALANISH.

Muhayyo Shoumarovna SHOUMAROVA *t.f.d.professor*
Toshkent irrigatsiya va qishloq xo'jaligini mexanizatsiyalash muhandislari instituti

Umidbek Djurabekovich BABABEKOV,
doktorant, Guliston davlat universiteti

Alisher Norboboyevich magistr BAXROMOV
Toshkent irrigatsiya va qishloq xo'jaligini mexanizatsiyalash muhandislari institute

Qisqacha mazmuni: Maqolada qishloq xo'jaligi ishlab chiqarishini mexanizatsiyalashtirish fanini talabalarga innovatsion texnologiyalardan foydalangan holda tashkil etishning samaradorligi, o'quv jarayonida turli xil interfaol metodlarni qo'llashning unimi to'g'risida fikr va mulohazalar yuritiladi. Hozirgi kunda soha bo'yicha malakali mutaxassislariga bo'lgan talab va ushbu talabni qondirish bo'yicha

bajarilishi lozim bo'lgan amaliy ishlar bo'yicha ma'lumotlar keltirib o'tiladi.

Kalit so'zlar: Innovasion, muhandis, asbob-uskunalar, materiallar, pedagogik texnologiyalar, klaster, modulli yondashuv.

Abstract: The article contains opinions and comments about the effectiveness of teaching the science of mechanization of agricultural production to students using innovative technologies, the effectiveness of using various interactive methods in the educational process. Currently, information on the demand for qualified specialists in the field and the practical work to be performed to meet this demand is provided.

Keywords: Innovation, engineer, equipment, materials, pedagogical technologies, cluster, modular approach.

OZIQ-OVQAT XAVFSIZLIGI MUAMMOSINI HAL QILISHDA E'TIBORGA OLISH ZARUR BO'LGAN EHTIMOLLAR HAMDA SHU MAVZUNI TALABALARGA ETKAZISHDA AHAMIYATLILIK DARAJASINI TUSHUNTIRISH.

Beg'am Nabibullaevna XUDAYBERDIEVA

Ikrom Abdukarimovich. b.f.f.d. RAXMONOV (PhD)

Guliston davlat universiteti

Qisqacha mazmuni: Oziq-ovqat xavfsizligi doirasida mintaqa iqlimi, suv ta'minoti, yerlarning meliorativ holati, rejalashtirilgan qishloq xo'jaligi ekinlari va ulardan yuqori hosil olish uchun belgilangan chora tadbirlar, agrotexnik tadbirlarning eng optimal usullarini tanlash va boshqa kerakli tadbirlarni ilmiy nuqtai nazardan to'g'ri tahlil qilish va uni amaliyotga tadbiriq qilish hamda bu to'g'ridagi fikr mulohazalarni yetuk mutaxassislariga talab darajasi zaruriyatini tushuntirgan holda talabalarga yetkazib berish zaruriyati haqida mulohazalar keltirilgan.

Abstarct: As part of ensuring food security, the correct analysis of the climate of the region, water supply, land reclamation, planned crops and measures to obtain a high yield from them, the selection of the most optimal methods of agrotechnical measures and other necessary measures from a scientific point of view and their application in practice, as well as comments on the need to convey to students opinions that explain the need for a level of demand for mature specialists.

DARS JARAYONIDA "CASE-STUDY" TEXNOLOGIYASIDAN FOYDALANISH USULLARI

Boburjon Aliyevich YUSUPOV,

Stajyor o'qituvchi Guliston davlat universiteti

Qisqacha mazmuni: Ushbu maqolada kimyo darslarida keys stadi texnologiyalaridan foydalanishning samarali tomonlari misollar yordamida ko'rsatib o'tilgan.

Kalit so'zlar: innovatsiya, interfaol metodlar, keys stadi, ta'lim

texnologiyalari, pedagogik texnologiya, keys yechimi.

Abstract: This article shows the effective aspects of using case study technologies in chemistry classes with the help of examples

Keywords: interactive methods, didactic games, electronic tools, information technologies, pedagogical technology, animation, multimedia tools.

QISHLOQ XO'JALIGI FANLARINI SIFATLI O'QITISHDA ZAMONAVIY TEXNOLOGIYALAR

Shavkat Alijon o'g'li BOTIROV

Guliston davlat universiteti, o'qituvchi

Shaxobiddin Muxitdinovich TURDIMETOV

b.f.d., professor, Guliston davlat universiteti

Qisqacha mazmuni: Barcha fanlarni o'qitishda smara berganidek, qishloq xo'jaligi fanlarini o'qitishda boshqa fanlar kabi innovatsion texnologiyalarni qo'lash yaxshi samara beradi. Ta'limda innovatsion texnologiyalarni qo'llashda doir ilmiy ishlarning tahlili oddiy usullarga nisbatan yaxshi samara berishini ko'rsatmoqda. Maqolada qishloq xo'jaligi fanlarini o'qitishda innovatsion texnologiyalarni qo'llash bo'yicha taklif va mulohazalar bayon etilgan.

Kalit so'zlar: tuproqning suv xossalari, suv rejimi, suv kategoriyalari, suv bug'lanishi, yog'ingarchiliklar miqdori, tuproqning singdirish qobiliyati, singdirish sig'imi, kimyoviy melioratsiyalar, o'g'itlash me'yori.

BIOLOGIYA DARSLARIDA INTEGRATSION TA'LIM.

L.A. BOTIROVA *b.f.n., dotsent,*

F.B. A'ZAMOV *magistr, Guliston davlat universiteti*

Qisqacha mazmuni: maqolada biologiyani o'qitishda tabiiy fanlarni integrallash, ya'ni fanlararo bog'lanishni amalga oshirishda ta'lim-tarbiya jarayonining muhim didaktik shartlari, vazifalari yoritib berilgan.

Kalit so'zlar: integratsiya, o'qituvchi, bilim, ilmiy, muhofaza, pedagogik, malaka, dars, biologiya, tabiat, tadqiqot.

ORGANIK KIMYO FANINI O'QITISHDA INNOVATSION TA'LIM TEXNOLOGIYALARINI QO'LLASH

Alisher Janikulovich DJURAYEV, Katta o'qituvchi

Guliston davlat universiteti

Qisqacha mazmuni: Ushbu maqolada organik kimyo darslarida innovatsion ta'lim texnologiyalaridan foydalanishning samarali tomonlari misollar yordamida ko'rsatib o'tilgan.

Kalit so'zlar: innovatsiya, interfaol metodlar, nostandart testlar, alkenlar,

ta'lim texnologiyalari, pedagogik texnologiya, standart testlar.

Abstract: This article shows the effective aspects of using innovative educational technologies in organic chemistry classes with the help of examples

Keywords: innovation, interactive methods, non-standard tests, alkenes, educational technologies, pedagogical technology, standard tests.

TOKZORLARDA TUPLARNI O'STIRISH, SHAKL BERISH VA XOMTOK QILISH MAVZUSINI TALABALARGA O'QITISHDA INTERFAOL METOTLARNING AHAMIYATI.

Po'Latjon Ergashovich EGAMBERDIYEV, *o'qituvchi*

Ibrohim Salimqul o'g'li JO'LBEKOV *o'qituvchi*

Guliston davlat universiteti

Qisqacha mazmuni: Mazkur maqolada talabalarga o'qiladigan uzumchilik fanga nisbatan qiziqish uyg'otish, ularga noaniq bo'lgan uzumchilik fani to'g'risida to'liq tassavurga ega bo'lishlari uchun imkon yaratib berishda interfaol metodlarni qo'llashning samarasi, bu metodlar talabalarga "Mevachilik va uzumchilik" modulidan nazariy bilim, amaliy ko'nikmalar va yuqori toifali malakaga ega bo'lishlariga yordam berishi, bunda talabaning faol ishtiroki ta'minlanishi, chunki dars davomida talabalar bilan o'zaro "munozara" olib borilishi, "muammolar" ni birgalashib hal etish holatlarini bo'lishi talaba har tomonlama o'zini sinab ko'rish imkoniyatiga ega bo'lishi to'g'risida so'z boradi.

Kalit so'zlar: innovatsion texnologiya, interfaol medot, Genetik, mikrobiolog, agrosanoat, interfaol muloqot, pedagogik dasturiy vositalar, kommunikatsion xizmat, pedagogik qobiliyat, yaratuvchanlik, innovatsion metodlar, venn diagramasi, "SWOT-tahlil" metodi.

Abstract: In this article, the effect of using interactive methods in making students interested in viticulture, allowing them to have a full understanding of viticulture, which is unclear to students, these methods help students Helping them to acquire theoretical knowledge, practical skills and high-class qualifications from the "Fruit and Viticulture" module, in which the active participation of the student is ensured, because during the lesson there is a mutual "discussion" with the students, solving "problems" It is said that the student will have the opportunity to test himself in all aspects if there are cases of solving together.

Keywords: innovative technology, interactive method, Genetics, microbiologist, agro-industry, interactive communication, pedagogical software tools, communication service, pedagogical ability, creativity, innovative methods, Venn diagram, "SWOT-analysis" method.

ANORNING KELIB CHIQISHI VA MADANIYLASHTIRILISH TARIXIGA NAZAR

Farog'at Sheraliyevna ERGASHEVA

Guliston davlat universiteti v.b. dotsent

Qisqacha mazmuni: Ushbu maqolada anorning kelib chiqishi, anor biologiyasi, anor yetishtirish agrotexnikasi, anorni zararkunanda va kasalliklardan himoya qilish haqida tavsiya keltirilgan.

Kalit soʻzlar: Markaziy Osiyo yoki Eron mintaqasi, *Punica granatum* L, anor biologiyasi.

MEVACHILIK VA UZUMCHILIK FANLARINI INNOVATSION TEKNOLOGIYALARDAN FOYDALANIB O'QITISHNING SAMARADORLIGI

Azizbek Ilashboy o'g'li ERGASHOV *o'qituvchi*

Eldor Azamqul o'g'li SATTAROV *magistr*

Guliston Davlat Universiteti

Qisqacha mazmuni: Mazkur maqolada meva-sabzavot va uzumni yetishtirish usullarini talabalarga innovatsion texnologiyalardan foydalangan holda dars mashg'ulotlarini tashkil etishning samaradorligi, o'quv jarayonida turli xil metodlarni qo'llashning afzaligi to'g'risida fikr va mulohazalar yuritiladi. Hozirgi kunda soha bo'yicha malakali mutaxassislariga bo'lgan talab va ushbu talabni qondirish bo'yicha bajarilishi lozim bo'lgan amaliy ishlar bo'yicha ma'lumotlar keltirib o'tilgan.

Kalit soʻzlar: innovatsion texnologiya, agrosanoat, texnologiyalashtirish, modellashtirish.

Abstract: In this article, there are opinions and comments about the effectiveness of organizing lessons on the methods of growing fruits and vegetables and grapes using innovative technologies, the advantages of using different methods in the educational process. Currently, information on the demand for qualified specialists in the field and the practical work that must be performed to meet this demand is given.

Keywords: innovative technology, agro-industry, technologization, modeling.

QISHLOQ XO'JALIK FANLARINI O'QITISHDA KEYS-STADI TEKNOLOGIYASINING TASHKIL ETISH VA UNDA O'QITUVCHI FAOLIYATINING AHAMIYATI

Valijon Abdivaitovich ERMATOV, *o'qituvchi*

Ravshanbek Kushmurotovich RAXMATULLAYEV, *t.f.b.(PhD)*.

Dilfuza Djmanazarovna SHERMATOVA *o'qituvchi*

Guliston davlat universiteti

Qisqacha mazmuni: Qishloq xo'jalik fanlarini o'qitish jarayonida keys-stadi metodi orqali tashkil etilib, talabalarining bilim olish jarayonini takomillashtirish, mavjud muammoli vaziyatlarni hal qilish orqali ularning ilmiy-ijodiy qobiliyatlarini rivojlantirish, talabalarining bilim, ko'nikma, malakalarini baholashda keys-stadi

metodini qo'llashda o'qituvchining innovatsion yondashuvi talab etilishi keltirilgan. Shuningdek keys-stadi metodining mazmuni va bu metoddan qishloq xo'lik fanlarida foydalanish imkoniyatlari yoritib berilgan.

Kalit so'zlar: Case Study, innovatsiya, zamonaviy, qishloq xo'jaligi, metod, ta'lim tizimi, talabalar, o'qitish jarayoni, takomillashtirish, fikrlash qobiliyati.

Abstract: in the process of teaching Agricultural Sciences, an innovative approach of the teacher is required when applying the case Study method to improve the learning process of students, develop their scientific and creative abilities by solving existing problem situations, assess students' knowledge, skills, qualifications. Also highlighted is the content of the keys-study method and the possibilities of using this method in rural holmic Sciences.

Keywords: Case Study, innovation, modern, agriculture, method, educational system, students, teaching process, improvement, thinking ability.

ЦИФРОВИЗАЦИЯ ВЫСШЕГО ОБРАЗОВАНИЯ В УЗБЕКИСТАНЕ: ДОСТИЖЕНИЯ И ПРОБЛЕМЫ

Дониёр Иброхим угли ГАНИЖОНОВ
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Аннотация: В статье раскрываются такие вопросы, как проблема цифровизации системы высшего образования и ее достижения. Автор последовательно исследует положительные стороны внедрения цифровых технологий в образовательный процесс и перспективы развития онлайн и дистанционного образования.

Ключевые слова: цифровизация, высшее образование, инновации в образовании, электронное образование, онлайн-образование.

QISHLOQ XO'JALIGI FANLARINI O'QITISHDA YANGI INNOVATION USULLARNI QO'LLASH VA ULARNING TA'LIM SIFATIGA TA'SIRI

Umrzoq Lapasovich G'OZIYEV, *Guliston davlat universiteti tayanch doktoranti*

Sevara Ayup qizi G'OIBOVA, *Guliston davlat universiteti talabasi*

Qisqacha mazmuni: Ushbu maqolada bugungi kunda pedagogikaning boshqa sohalari qatorida qishloq xo'jaligi fanlarini o'qitishda yangi metodlarni qo'llash, innovatsion yondashuvlar asosida o'quv mashg'ulotlarini tashkil etish, talabalar faolligini oshirish va ularni maksimal darajada darslarga jalb qilish borasidagi fikr va mulohazalar, sun'iy intellekdan foydalangan holda 3D, 5D formatdagi o'quv materiallari, video- roliklari orqali vizual olamga sayohat qilish va qisqa vaqt davomida yuqori samaradorlikka erishish bo'yicha tavsiyalar keltirilgan.

Kalit so'zlar: Innovatsion usullar, interaktiv metodlar, vizual olam, 3D, 5D,

sun'iy intellek, ilg'or pedagogik texnologiyalar, trening, boshqaruv va liderlik.

THE ROLE OF NEW INNOVATIVE PEDAGOGICAL TECHNOLOGIES IN THE METHODOLOGY OF TEACHING ENGLISH.

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Dilfuza Shakarboevna SHAVKIEVA,

Associate Professor, Doctor of philosophy in pedagogical sciences (PhD)

Dilshoda Safarjon qizi AKHMADJONOVA,

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Abstract: This article is about the emotional activity of learning English, the ability to learn the language, the level of development of competencies, the development of teaching and methodological guidelines, recommendations for their application in the learning process, the analysis of their effectiveness. The step-by-step logical structure of the English text is called a logical algorithm. The logical algorithm serves as a basic guide in achieving the goal in the study of teaching material in English, that is, in understanding the content of the material. At the same time, the text structure itself is considered an algorithm. So, today, raising the quality of higher education to a higher level, as well as increasing its effectiveness, depends in all respects on the mastery of English language teaching materials by students.

Keywords: technology, style, equipment, resource, digital technology.

GEOGRAFIYA FANIDA O'QUVCHILAR O'ZINI BAHOLASHI, O'QUVCHILAR BOSHQA O'QUVCHILARNI BAHOLASHI VA O'QITUVCHI TOMONIDAN BAHOLASH YONDASHUVLARI, ULARDAN SAMARALI FOYDALANISH

Dilfuza Imomnazarovna ISAKOVA

Oqoltin tumani 17-IDUM Geografiya fani o'qituvchisi

Qisqacha mazmuni. Ushbu maqolada o'quvchilarni fanga bo'lgan qiziqishi, zamonaviy metodlar asosida baholashi haqida tavsifiya keltirilgan.

Kalit so'zlar: O'quvchi faoliyatini baholash, "Bilimlar daraxti", "Oltin meros", "Ranglar jilosi, Sayohat, kabi metodlar.

GOSSIPOLNING 4-AMINO-1,2,4 TRIAZOL BILAN SHIFF ASOSI HOSILASI SINTEZI

Islom Egamberdi o'g'li Otaqulov,

Guliston davlat universiteti magistranti,

Mahmudjon Bakievich G'AFUROV,

O'zR FA Bioorganik kimyo instituti k.f.d., professor

Qisqacha mazmuni: Gossipol bilan 4-amino – 1,2,4 triazolning diazo

hosilalari sintez qilindi va ularning ayrim fizik-kimyoviy xarakteristikalari hamda spektral (IQ) xususiyatlari o'rganildi va kimyoviy tuzilishi tahlil qilindi. Gossipolning 4-amino – 1,2,4 triazol bilan hosil qilgan diazo hosilasining IQ spektrida Gossipolning 4- va 4'-pozitsiyalarda 1708 cm^{-1} sohada berilgan valent tebranishi Gossipolning 4-amino – 1,2,4 triazol bilan hosil qilgan diazo hosilasining IQ spektri tahlil qilinganda 1719 cm^{-1} da (-CH) guruhining deformatsion tebranish chastotalari kichik chastotali maydonga siljishi kuzatilgan, bu o'z navbatida ularning bog' hosil qilishda qatnashishini ko'rsatadi.

Kalit so'zlar: Gossipol, 4-amino – 1,2,4 triazol, diazo hosila, IQ-spektroskopiya.

ANALYZES CONDUCTED ON METHODS OF USING MODERN SCIENTIFIC AND PEDAGOGICAL TECHNOLOGIES IN THE FIELD OF EDUCATION

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Javsurbek Zakirjon o'g'li KHAZRATKULOV, *teacher*

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Abstract: In the article, at the current stage, which implies the introduction of new educational technologies into the educational process of higher education. The strategy of reforms implemented in Uzbekistan is described. The problem of introducing innovative educational technologies into the teaching practice in the conditions of the transition of higher professional education to the state educational standard is analyzed, the most necessary and effective methods of combining traditional and innovative approaches to increase the effectiveness of the educational process are shown. the rib is removed.

Keywords: positions, advanced, concept, modern, fundamental, pedagogical, innovative, didactic, application, criterion, technical, optimal.

MRNK MIQDORINI ANIQLASH UCHUN REAL VAQTDA PCR

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Guliston davlat universiteti, tayanch doktorant

Qisqacha mazmuni: Haqiqiy vaqtda PCR gen miqdorini aniqlashning eng ko'p qo'llaniladigan usullaridan biriga aylandi, chunki u katta dinamik diapazonga ega, katta sezgirlikka ega, yuqori ketma-ketlikka xos bo'lishi mumkin. Ushbu sharhda haqiqiy vaqtda PCR nazariyasi, real vaqt rejimida PCR tajribasining asosiy komponentlari, jumladan, bir bosqichli yoki ikki bosqichli PCR, TaqMan PCR va Hybridization PCR haqida ma'lumot berilgan.

Kalit so'zlar: mRNK, Real-time PCR, qPCR, TaqMan PCR, Hybridization PCR

Abstract: Real-time PCR has become one of the most widely used methods for gene quantification because it has a large dynamic range, high sensitivity, and

high sequence specificity. This review provides information on the real components of PCR in real-time PCR theory mode, one-step or two-step PCR, TaqMan PCR, and Hybridization PCR.

Keywords: mRNA, Real-time PCR, qPCR, TaqMan PCR, Hybridization PCR

MAKTAB GEOGRAFIYA DARSLARIDA QIZIQARLI GEOGRAFIK MATERIALLARDAN FOYDALANISH METODIKASI

Mansur Egamberdiyevich DJURAYEV, *g.f.f.d., dotsent Guliston davlat universiteti*

Jahongir Qo'shmurod o'gli HUSENOV, *GulDU, 4-bosqich talabasi*

Qisqacha mazmuni: Ushbu maqolada zamonaviy sharoitda geografiya va geografiya datslarini tashkil qilishda turli xil metod, qiziqarli metodikalar, geografik kamchiliklar, ularni hal qilish yo'llari haqida ma'lumot berilgan.

Kalit so'zi: Geografiya, metod, xarita, globus, aholi, tabiat, zamon, xo'jalik, venn diagrammasi, baliq skeleti;

GLOBAL EKOLOGIK MUAMMOLAR: YECHIMLAR VA TAKLIFLAR TABIIY GEOGRAFIK NUQTAI NAZAR

M.E.DJURAYEV *g.f.f.d., dots, Guliston davlat universiteti*

Ch.T.QURBONOVA, *Guliston davlat universiteti talabasi*

Qisqacha mazmuni: Ushbu maqolada global muammolarning qanday paydo bo'lganligi va uni yechish uchun nimalar qilish kerak, tabiiy geografiyaning bu muammolarga qanday aloqasi mavjud. Hozirgi kunda qanday muammolar insoniyatga xavf tug'dirishi mumkin va saqlab qolish uchun nimalar qilish kerakligi haqida yozilgan.

Kalit so'zlar: Dunyoviy muammolar, globalistika, prognoz, okean, landshaft, geologiya, geomorfologiya, botanika, Orol muammosi

Abstract: In this article, how global problems arise and what needs to be done to solve them, how natural geography is related to these problems. It is written about what problems can threaten humanity today and what needs to be done to save it

Keywords: Worldy problems, globalism, forecast, ocean, landscape, geology, geomorphology, botany, the Aral Sea problem.

GEOGRAFIYA O'QITUVCHISI –KASB FAOLIYATIDA QIZIQARLI MATERIALLARNI SHAKLLANTIRISHNING PEDAGOGIK MUAMMOLARI

M.E.Djurayev, *Guliston davlat universiteti dotsenti*

F.R.Raxmonqulov, *Guliston davlat universiteti mustaqil tadqiqotchisi*

S.G'.Pardaboyeva, *Guliston tumani 1-sonli maktab o'qituvchisi*

Qisqacha mazmuni: Maqolada bo'lajak o'qituvchilarda kasbiy e'tiqodni shakllantirishning muhim masalalari ochib berilgan. Kasb, kasbiy madaniyat hamda kasbiy e'tiqod tushunchalari kengroq yoritib berilgan.

Kalit so'zlar: kasb, kasbiy madaniyat, kasbiy e'tiqod, kasbiy mahorat, kasbiy motivatsiya.

Abstract: This article reveals important issues in establishing professional convictions. Professional culture and professional convictions were widespread.

Keywords: professieducator, specialistSocialactivity, moralquality, culture, fradeprofession, vocationalduty, occupation ethic,competent, professional competent.

MAKTAB GEOGRAFIYA DARSLARIDA QIZIQARLI GEOGRAFIK MATERILLARDAN FOYDALANISH

Farxod Rustamovich RAXMONQULOV

Guliston davlat universiteti mustaqil tadqiqotchisi

Muxtor Abdusodiqovich ABDUSODIQOV

Samarqand v. Ishtixon t. 64-maktab o'qituvchisi

Qisqacha mazmuni: Maqolada geografiya darslarida qiziqarli materillarning o'rni, zamonaviy axborot texnologiyalaridan foydalanish, geografiya ta'limini amalga oshirishda interaktiv usullardan foydalanish usullari haqida fikrlar bayon etilgan.

Kalit so'zlar: dars, mavzular, pedagog, geografiya, o'qituvchi, texnologiya, darslik.

Abstract: The role of interesting materials in geography lessons in the article, use of modern information technologies, geography education ideas about the methods of using interactive methods in education are presented.

Keywords: lesson, topics, pedagogue, geography, teacher, technology, textbook.

KO'K NO'XAT (PIZUM SATIVUM L.) DONINING BO'RTISHINI LABORATORIYA SHAROITIDA ANIQLASH

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Tojiddin Xamdamiyev KULIYEV, *b.f.b (Phd)., dotsent*

Karomat Maxmudjonovna ISMOILOVA

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Qisqacha mazmuni: Ushbu maqolada ko'k no'xat o'simligi navlari donida bo'rtish jarayoni tahlil qilindi. Tadqiqot obyekti sifatida xashaki no'xatning "Vostok 55" hamda "Sputnik" navlari tanlandi. Tadqiqot natijalari donning bo'rtishi "Sputnik" navida jadal ketib "Vostok-55" naviga nisbatan 18.8% ko'p suvni qabul

qilganligi qayd etildi. Shu bilan birga “Sputnik” nav namunasi urug‘i “Vostok-55” naviga nisbatan suvni ko‘proq qabul qilganligi qayd etildi.

Kalit so‘zlar: dukkakli o‘simliklar, ko‘k no‘xat, nav, yem-xashak, oziqabopligi, unib chiqishi, tashqi muhit, sharoit, sug‘orish, suvni shimishi kuchi, urug‘larning bo‘rtishi, urug‘ po‘stini yorish, donning bo‘rtishi.

Abstract: In this article, the process of swelling in the grain of blue pea plant varieties was analyzed. “Vostok 55” and “Sputnik” chickpea varieties were selected as the object of research. The results of the study showed that the swelling of the grain accelerated in “Sputnik” variety and received 18.8% more water compared to “Vostok-55” variety. At the same time, it was noted that the seeds of the “Sputnik” variety took more water than the “Vostok-55” variety.

Keywords: legumes, chickpea, variety, forage, nutrition, germination, environment, conditions, irrigation, water absorption, seed germination, seed cracking the skin, swelling of the grain.

QISHLOQ XO‘JALILIGINI RIVOJLANTIRISHNING IQTISODIY SAMARADORLIGINI OSHIRISH

Muhayyo Egamnazarovna XUDAYAROVA

Guliston davlat universiteti, “QXMQIT” kafedrası o‘qituvchisi

Qisqacha mazmuni: Maqolada klaster va fermer xo‘jaliklarda suvni tarqatish texnologiyasi tahlili, sug‘orish jarayonini avtomatik boshqarishning dasturli qurilmalari, ichki xo‘jalik kanallarida avtomatik nazorat va boshqarish vositalari, zamonaviy modemlar imkoniyatlari va vazifalari, avtomatik rostlash tizimini dinamik xususiyatlarini aniqlash, avtomatik boshqaruv tizimlarida qo‘llanuvchi texnik vositalarini tanlash, avtomatlashtirishning funksional-texnologik sxemasi, loyihalangan tizimning turg‘unligini aniqlash masalalari bo‘yicha materiallar ko‘rsatilgan.

Kalit so‘zlar: Tadbirkorlik, iqtisodiy negizi, klaster va fermer xo‘jaliklari, ishlab chiqarish korxonalar, marketing xizmati, mehnat va bozor iqtisodiyoti.

Abstract: In the article, the analysis of water distribution technology in clusters and farms, software devices for automatic control of the irrigation process, automatic control and management tools in domestic channels, capabilities and tasks of modern modems, determination of dynamic characteristics of the automatic adjustment system, use in automatic control systems Selection of technical means, functional-technological scheme of automation, determination of stability of the designed system are presented.

Keywords: Entrepreneurship, economic basis, cluster and farms, production enterprises, marketing service, labor and market economy.

SIRDARYO VILOYATI SHAROITIDA SOYA NAVLARINING O'SUV DAVRLARI

A.SH.ABDURASULOV

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Qisqacha mazmuni: Ushbu maqolada Sirdaryo viloyati sharoitida soya o'simligining ayrim navlarini etishtirish, o'suv davrlari va hosildorligi haqida ma'lumotlar keltirilgan.

Kalit so'zlar: o'suv davri, unib chiqish, gullash, dukkakash, pishish.

Abstract: This article provides information about the cultivation, vegetational periods and yield of some soybean varieties in the conditions of the Syrdarya region.

Keywords: vegetational periods, growth period, sprouting, flowering, podding, ripening.

TUPROQ DEGRADATSIYASI: MUAMMOLAR, OQIBATLARI, OLDINI OLISH CHORA TADBIRLARI

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A.G' USMONOVA

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Abstract: Soil degradation is a set of processes that lead to a change in the function of the soil, a deterioration of the quantitative and qualitative indicators of its properties, and a decrease in productivity, that is, under the influence of natural and anthropogenic factors, the elements are stable in the ecological system. deterioration of its properties, decrease in economic value and decrease in efficiency. "Soil degradation is one of the important environmental problems of the 21st century. Its importance, actual and potential effects on biomass productivity, water quality, air quality, and greenhouse gas emissions to the atmosphere are highlighted. It is related to soil and water source pollution, soil degradation. Soil degradation directly and indirectly affects climate change.

Keywords: Degradation, soil erosion, salinization, desertification.

GLOBAL ENVIRONMENTAL PROBLEMS

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Abstract: This article reveals the essence of today's global ecological problem from a scientific and practical point of view. Today's ecology, the attitude of people to the environment, the process of urbanization, the requirements for protecting the environment, the ecological situation in the city, and the ecological activities of the

population have been thoroughly reviewed. Opinions on improving the ecological environment around us were expressed.

Keywords: Global environmental, urban ecology, prayer, environment, ecological problem, greening, island problem, natural resource, human activity.

SIRDARYO VILOYATINING DEMOGRAFIK VAZIYATI VA UNING GEOGRAFIK JIHATLARI

Lolaxon Klichevna KARSHIBAYEVA

Guliston davlat universiteti Ekologiya va geografiya kafedراسi mudiri

Husniddin Erkaboy o'g'li EGAMQULOV

Guliston davlat universiteti Ekologiya va geografiya kafedراسi tayanch doktoranti

Qisqacha mazmuni: Maqolada demografik jarayonlar va ularning hududiy xususiyatlari aniqlangan. Asosiy etibor tug'ilish va o'lim ko'rsatkichlariga qaratilgan bo'lib atroflicha yoritilgan. Sirdaryo viloyatining tug'ilish va o'lim ko'rsatkichlari turli hududlarda farqlar mavjud. Shu bilan birgalikda turli xil sabablarga ko'ra ham o'lim ko'rsatkichi farqlari aniqlangan.

Kalit so'zlar: Demografik jarayon, tug'ilish, tanatogeografiya, tanatologiya, o'lim, onalar o'limi, o'lim koeffitsiyenti, go'daklar o'limi, sog'lom turmush tarzi, tibbiy xizmat

Abstract: Demographic processes and their territorial characteristics are defined in the article. The main focus is on birth and death rates. There are differences in the birth and death rates of Syrdarya region in different regions. At the same time, differences in the death rate for various reasons have been identified.

Keywords: Demographic process, birth, thanatogeography, thanatology, death, maternal mortality, mortality rate, infant mortality, healthy lifestyle, medical service

INDIGO HOSILALARINING ANTIOKSIDANT XUSUSIYATLARINI NAZARIY, ILMIY JIHATDAN TADQIQ QILISH.

Sharofiddin Jumaboyevich MAXAMADIYEV, *GulDU tayanch doktoranti*

Sobir RAHMONOV, *GulDU tayanch doktoranti*

Qundizoy MAXAMADIYEVA, *GulDU talabasi*

Qisqacha mazmuni: Ushbu ishda "Indigofera tinctoria" o'simligi tarkibidan indigo ajratib olinib, olingan indigoning fizik-kimyoviy xususiyatlari va sifat va miqdor tarkibi UB-, IQ-spektroskopiya va YuSSX usullarida tahlil qilingan. Hamda idigo hosilalarining antioksidant xususiyatlarini nazariy ilmiy taqiq qilingan.

Kalit so'zlar: Indigofera, indigo, xromofor guruh, UB-spektroskopiya, IQ-spektroskopiya, yuqori samarali suyuqlik xromotografiyasi (YuSSX).

Abstract: In this study, indigo was isolated from the indigofera tinctoria plant, and the physicochemical properties, quality and quantity of indigo were analyzed by

UV-, IR-spectroscopy and HPLCH methods.

Keywords: Indigofera, indigo, chromophore group, UV-spectroscopy, IR-spectroscopy, high-performance liquid chromatography (HPLCH).

BIOKIMYO FANINI O'QITISHDA MUSTAQIL TA'LIMNINING TURLARI VA ULARNING AHAMIYATI

Z.U.ABDIKULOV,

Biologiya fanlari nomzodi, dotsent TKTI Yangier filiali

Qisqacha mazmuni: Maqolada Oziq-ovqat va konservalash texnologiyasi ta'lim yo'nalishlarida tahsil oluvchi talabalarga Biokimyo fanidan mustaqil ishlarni bajarish bo'yicha topshiriqlar namunasi keltirilgan. Ushbu namanalar asosida talabalar adabiyotlar, internet materiallaridan foydalangan holda topshiriqlarni mustaqil tarzda bajarishadi.

Kalit so'zlar: Biokimyo, oziq-ovqat, texnologiya, oqsil, yog'lar, uglevod, vitaminlar, polimerlar, organizmi, qayta ishlash, mustaqil ta'lim, DNK, RNK.

SIRDARYO HUDUDIDAGI SUV XAVZALARI VA U BILAN SUG'ORILGAN TUPROQ TARKIBIDAGI OG'IR METALLAR MIQDORINING MONITORINGI

A.A.ERMATOVA- *katta o'qituvchi*

Sh.I.QOSIMOV, *Ph.D*

Davron Sobir o'g'li RAHMONOV, *talabasi*

Guliston Davlat Universiteti

Qisqacha mazmuni: Ushbu maqolada Do'stlik va Janubiy Mirzacho'l kanallarining suvi va ushbu suv xavzalari bilan sug'orilgan ekin maydonlaridan olingan tuproq na'munalarining tarkibidagi temir, mis, rux va qo'rg'oshin elementlari ionlarini aniqlash usulini ishlab chiqishga qaratilgan tajribalar bayoni keltirilgan.

Kalit so'zlar: og'ir metallar, kimyoviy elementlar, suv xavzasi, temir, mis, rux, qo'rg'oshin, tuproq tarkibi, variatsiya, korrelyatsiya, korrelyatsiya darajasi.

ABIOTIK OMILLARNING G'O'ZA NIHOLLARIDA GOMMOZ KASALLIGINI TARQALISHIGA TA'SIRI

Shahnoza Djuraevna GULMURODOVA, *katta o'qituvchi,*

Rano Kadirovna SATTAROVA *b.f.n., professor (ToshDAU)*

Qisqacha mazmuni: G'o'za o'simligini o'stirish va undan yuqori sifatli paxta xomashyosini olish uchun yuqori agrotexnologiyalarni qo'llash lozim bo'ladi. Respublikamiz dunyoda ko'p miqdorda paxta xomashyosi yetishtiradigan mamlakatlar qatoriga kiradi. G'o'zadan yuqori hosil olishga mikroorganizmlar keltirib chiqaradigan ko'plab kasalliklar to'sqinlik qiladi. Ular ichida qo'zg'atuvchisi

bakteriya bo'lgan gommoz kasalligi yetakchi o'rinlardan birini egallaydi. Maqolada gommoz kasalligini rivojlanishiga ekologik faktorlarning ta'siri to'g'risida ma'lumotlar keltirilgan.

Kalit so'zlar: G'o'za, kasallik, mikroorganizm, bakteriya, namlik, harorat, tuproq, gommoz.

SUG'ORILADIGAN YERLARDAN FOYDALANISHNING IQTISODIY SAMARADORLIK KO'RSATKICHLARI

Sodiq Sa'dullaevich RASULOV,

mustaqil tadqiqotchi, Qarshi davlat universiteti

Qisqacha mazmuni: Jahon iqtisodiyotining rivojlanish tendentsiyasi shundan guvohlik beradiki, kishilik jamiyatining barcha soha va jabhalarida, ayniqsa global iqlim o'zgarishi ta'sirida sayyoramizning ko'plab mintaqalarida tobora avj olayotgan qashshoqlik va ocharchilikka barham berishning asosiy omillaridan biri sifatida qishloq xo'jaligi mahsulotlari yetishtiruvchi, shuningdek ularga turli yo'nalishlarda xizmat ko'rsatuvchi sub'ektlarning xo'jalik yuritish faoliyatlarini innovatsiyalar asosida tashkil etish strategik ahamiyat kasb etgani holda, ushbu jarayonni uzluksiz takomillashtirish davr talabiga aylanib bormoqda.

Kalit so'zlar: jahon xo'jaligi, milliy iqtisodiyot, qishloq xo'jaligi, yer resurslari, oziq-ovqat xavfsizligi, yashil iqtisodiyot, yashil o'sish.

Abstract: The trend of development of the world economy testifies to the fact that as one of the main factors in ending the ever-growing poverty and famine in all spheres and spheres of human society, especially in many regions of the planet under the influence of global climate change, the organization of economic activities of agricultural producers, as well as entities serving them in, continuous improvement of this process is becoming a requirement of the period.

Keywords: world economy, national economy, agriculture, land resources, food security, green economy, green growth.

TUPROQSHUNOSLIK FANINI SIFATLI O'QITISHDA FANLARARO BOG'LIQLIK TEXNOLOGIYASI VA UNING AHAMIYATI

Norbek Kenjabayevich MASHARIPOV, *Guliston davlat universiteti*

Qisqacha mazmuni: Mazkur maqolada tuproqshunoslik fanini o'qitishda zamonaviy uslublar va fanlararo bog'lanishlar, tuproqshunoslik tarixi, Mirzacho'l vohasining tuproq relfi, tarkibiy tuzilishi, kimyoviy, biologik, fizikaviy-mexanikaviy xossalari va qishloq xo'jaligi ekinlaridan ko'proq hosil olish yo'llari hamda qishloq xo'jaligi mutaxassislari tayyorlashda e'tibor qaratiladigan masalalar to'g'risida so'z yuritilgan.

Kalit so'zlar: Mineralogiya, biologik, kimyoviy, fizikaviy, mehnat resurslari, biosfera, agrotexnika, geologik, geomorfologik, ekologik, meliorativ.

Abstract: In this article, modern methods and interdisciplinary connections

in the teaching of soil science, history of soil science, soil relief, structural, chemical, biological, physical-mechanical properties of the Mirzachol oasis, and ways to get more yield from agricultural crops are presented and the issues to be paid attention to in the training of agricultural specialists were discussed.

Keywords: Mineralogy, biological, chemical, physical, labor resources, biosphere, agrotechnics, geological, geomorphological, ecological, reclamation.

QISHLOQ XO'JALIGI EKINLARINI SUG'ORISHDA YER OSTI SUVLARIDAN FOYDALANISH TARTIBI.

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Qisqacha mazmuni: Respublikamizda qishloq xo'jaligi mahsulotlari ishlab chiqarishni ko'paytirish, hamda yuqori hosil olish va sug'oriladigan yerlarning meliorativ holatini keskin yaxshilashning muhim zaxiralari biri bu yer usti suvlari bilan bir qatorda yer usti va yer osti suvlaridan tizimli foydalanishdir.

Kalit so'zlar. yer osti suvlari, yer usti suvlari, tuproq meliorativ xolatini o'zgarishi, ekin turlari.

TALABALARGA PAXTA XOM ASHYOSINI QURITISH TEXNOLOGIYASI MAVZUSIDAGI AMALIY MASHG'ULOTLARNI O'QITISHDA INNOVATSION TEXNOLOGIYALARDAN FOYDALANISH

Islom Maxsud o'g'li JO'RABOYEV

stajyot-o'qituvchi, Guliston Davlat Universiteti

Qisqacha mazmuni: Maqola chigitli paxtani quritishdagi mavjud uslub va texnik texnologiyalarning afzallik va kamchiliklari olimlar tomonidan bajarilgan ilmiy ishlarning natijalari taxlili va paxta xom ashyosini dastlabki ishlash sohasida quritish jarayonini talabalarga yangicha innovatsion texnologiyalar yordamida o'rgatish afzalliklari haqida fikrlar ilgari surildi.

Kalits o'zlar: Paxta tozalash sanoati, quritish uskunasi, jinlash mashinalarida, stabil, ishchi kamera, uzilish kuchlanishi, paxtaning zichligi rangi, ilmiy izlanishlar, tola uzunligi;

SIRDARYO VILOYATI MIRZAOBOD TUMANI HUDUDIDAGI TUPROQ TARKIBINING TAXLILI

Iroda Murodqosimovna JUMABOYEVA

Guliston davlat universiteti tayanch doktoranti

Qisqacha mazmuni: maqolada Sirdaryo viloyati Mirzaobod tumani xududidan kuz mavsumida olingan tuproq namunasining tarkibidagi zaxarli

organik geterohalqali birikmalar va og`ir metallarning miqdori va ularning inson salomatligiga salbiy ta`sirining muammosi Eksperimental biologiya laboratoriyasida ko`rib chiqildi. Taxlil natijasida tuproqni pH muxiti, tarkibidagi defoliant saqlagan moddalar va og`ir metallar taxlil qilindi.

Kalit so`zlar: Sirdaryo viloyati, Mirzaobod tumani, pestitsid, tuproq namunasi, defoliant, MSD detektor, geterohalqali birikmalar, og`ir metallar.

Abstract: the article in the laboratory of experimental biology examined the amount of toxic organic heterocyclic compounds and heavy metals in a soil sample taken in the Mirzaabad district of the Syrdarya region in the autumn, and the problem of their negative impact on human health. As a result of the analysis, soil pH, defoliant substances and heavy metals were analyzed.

Keywords: Syrdarya region, Mirzaabad region, pesticide, soil sample, defoliant, MSD detector, heterocyclic compounds, heavy metals.

O`SIMLIKLARNING BIOEKOLOGIK XUSUSIYATLARINI O`RGANISHGA OID METODLAR

Hazratkul Kilichevich KARSHIBAEV -*professor*, Guliston davlat universiteti

Farrux Baxrom o`g`li ABDUXOLIQOV,
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Shaxzodjon Baxriddin o`g`li KOMILOV *magistant Guliston davlat universiteti*

Jo`shqin Yusupovich ESHCHANOV, *talaba Guliston davlat universiteti*

Masudjon Marufovich NORQULOV, *dotsen Samarqand davlat universiteti*

Qisqacha mazmuni: Mazkur maqola degradatsiyaga uchragan kon chiqindilaridan xosil bo`lgan su`iy tepaliklarning ekologik xolatini yaxshilash maqsadida ekib, o`stiriladigan o`simliklarning bioekologik bosqichlari haqida. Bioekologik bosqichlar har bir o`simlik turi uchun umumiy bo`lib, latent, virginil, generativ va senil bosqichlardan iborat.

Kalit so`zlar: degradatsiya, latent, virginil, generativ, senil

Abstract: This article is about the bioecological stages of plants that are planted and grown in order to improve the ecological condition of artificial hills created from degraded mine waste. Bioecological stages are common for each plant type and consist of latent, virginal, generative and senile stages.

Keywords: degradation, latent, virginal, generative, senile

QISHLOQ XO`JALIGIGA OID FANLARNI O`QITISHDA TALABALARNI MANTIQUIY FIKRLASHGA O`RGATISHDA O`QITUVCHINING PEDAGOG MAHORATI

Nozimjon Abduraximovich KOMILOV

Guliston davlat universiteti "Tabiiy fanlar" fakulteti o`qituvchisi

Qisqacha mazmuni: Ushbu maqolada zamonaviy pedagogik texnologiyalarning mazmun-mohiyati ochib berilgan bo'lib an'anaviy va noan'anaviy o'qitish usullari haqida fikrlar bayon qilingan. Pedagogik texnologiyalarni qo'llash, munozarali guruhlar, juftliklar, turlicha mashqlar, tarqatma materiallar, shakl va ranglar, raqamlar, ijodiy qarashlar, rivojlantiruvchi mashg'ulotlar, turli yozishmalar, uslublar, rasmlar, chegaralangan daqiqalar, aralash vaziyatlardan foydalanish, dars samaradorligini oshirish texnologiyasi ishlab chiqilgan.

Kalit so'zlar: strategik fikr, pedagogik tafakkur, o'qituvchi, pedagogik tafakkur rivojlantirish, pedagogik texnologiya, munozarali guruh.

Abstract: three articles reveal the essence of modern pedagogical technologies and describe traditional and non-traditional teaching methods. Application of pedagogical technology, controversial production, pair products, different exercises, distribution materials, forms and products, products, visions, production products, different productions, styles, pictures, limited minutes, mixed production, lesson production production.

Keywords: strategic thinking, pedagogical thinking, teacher, development of pedagogical thinking, pedagogical technology, discussion group.

TABIATDAN OQILONA FOYDALANISHDA DORIVOR O'SIMLIKLARNING EKOLOGIK JIHATLARI.

O.R. XO'JAMQULOV, *Guliston davlat universiteti tayanch doktoranti*

J.X. KARSHIBAYEV, *Guliston davlat universiteti dotsenti*

Sh.B.KOMILOV, *Guliston davlat universiteti magistranti*

Qisqacha mazmuni: O'rmonlarning, ayniqsa tropik mintaqalarda muttasil qisqarib borishi, ba'zi joylarda tuproq eroziyasiga, daryolar va buloqlarning qurib qolishiga, boshqa yerlarda esa qurg'oqchilikka va boshqa noxush oqibatlarga sabab bo'lmoqda. O'rmonlarning, ayniqsa tropik mintaqalarda muttasil qisqarib borishi, ba'zi joylarda tuproq eroziyasiga, daryolar va buloqlarning qurib qolishiga, boshqa yerlarda esa qurg'oqchilikka sabab bo'ladi.

Kalit so'zlar: Rubia tinctorum, dorivor o'simlik, gullash, vegetatsiya, ildizpoya, introduksiya, plantatsiya.

APPLICATION OF THE "FISH SKELETON" METHOD OF MODERN PEDAGOGICAL TECHNOLOGY TO THE SUBJECT OF BITTING OIL SEEDS AND SEPARATION OF THE PID FROM THE SHELL

Sardor Komilovich KUZIBEKOV, *teacher, Gulistan State University*

Asatullo Nasibullayevich TASHMURATOV,

doctor of philosophy in technical sciences, docent,

Abstract: The article describes the strategy of reforms implemented in Uzbekistan at the current stage, which involves the introduction of new educational technologies into the educational process of higher education. The flow of information

to the social life of the Republic is covering a wide range at a rapid speed. One of the most important problems facing the educational system is to receive information at a fast pace and to organize its delivery to the student. Therefore, the central problem of educational technology is to ensure the achievement of the educational goal through the development of the learner's personality.

Keywords: information, education, pedagogical technology, activity, fish skeleton, method, feedback, feedback, product, bite, core, shell, separation, core, pulp, oil, taste.

“KOMPLEKS BIRIKMALAR” MAVZUSINI O‘QITISHDA “ASSIMENT” TEXNOLOGIYASIDAN FOYDALANISH

Feruza Abdullayevna LAPASOVA

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Qisqacha mazmuni: Maqolada kimyo fanini o‘qitish muammolari yechimini topish va fanga bo‘lgan qiziqishlarini oshirish uchun kimyo darslarida interfaol usullardan foydalanish, kimyo faniga oid ta’lim texnologiyalari xaqida fikrlar bayon etilgan.

Kalit so‘zlar: kimyo, fan, o‘qituvchi, talaba, texnologiya, blits so‘rov, Assesment texnologiyasi, “T-chizma” metodi, loyiha.

Abstract: The article presents ideas about the use of interactive methods in chemistry classes and educational technologies related to chemistry to find a solution to the problems of teaching chemistry and increase their interest in science.

Keywords: chemistry, science, teacher, student, technology, blitz survey, Assessment technology, “T-chart” method, project.

YOSHLARNI TARBIYALASHDA ONA TABIATNI MUHOFAZA QILISHGA OID BILIMNI SHAKILLANTIRISH BU- BUGUNIMIZ VA KELAJAGIMIZDIR!

Maloxat Abduqodirovna ABDURASHIDOVA,

Guliston davlat universiteti o`qituvchisi

Jo‘rabek Abdusalol o‘g‘li JUMANOV,

Guliston davlat universiteti o`qituvchisi

Dilfuza Abdurahim qizi NAJMIDDINOVA,

Dorivor o`simliklar va botanika kafedrası talabasi

Qisqacha mazmuni: ushbu maqola bugungi kun ta’lim muassasalarida dars jarayonini innovatsion yondoshuv asosida , Biologiyadagi ekologik muammolar: suv va undan foydalanish muammolari; mexanika va xalq xo‘jaligini mexanizatsiyalashtirishning ekologik muammolari; shamol energiyasidan foydalanish va uning istiqboli; quyosh energiyasi, kosmik fazoni o‘zlashtirish va uning resurslaridan foydalanishning ekologik muammolari; atom energiyasidan foydalanishning ekologik muammolari; ularni “Olimlar, tadqiqotchilar” sifatida

hodisa va jarayonlarni "kashf etishiga" o'rgatishimiz kerakligi to'g'risida.

Kalit so'zlar: yosh olim, tadqiqotga boshlovchi, innovatsiya, kompetensiya, ta'lim texnologiyalari, tabiiy-ilmiy savodxonlik.

KIMYO FANINI O'QITISHDA INNOVATSION YONDASHUVLAR

Moxira Bosimovna MAMATQULOVA,

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Qisqacha mazmuni: Ushbu maqolada kimyo darslarida qishloq xo'jaligi, biotexnologiya, oziq-ovqat texnologiyasi va agronomiya yo'nalishlari talabalari uchun innovatsion texnologiyalardan foydalanishning samarali tomonlari ko'rsatib o'tilgan.

Kalit so'zlar: interfaol metodlar, didaktik o'yinlar, elektron vositalar, axborot texnologiyalari, pedagogik texnologiya, animatsiya.

Abstract: This article shows the effective aspects of using innovative technologies in chemistry classes for students of agriculture, biotechnology, food technology and agronomy.

Keywords: interactive methods, didactic games, electronic tools, information technologies, pedagogical technology, animation, multimedia tools

QISHLOQ XO'JALIGI FANLARINI O'QITISHDA INNOVATSIALARNI TA'LIM-TARBIYA JARAYONIGA SAMARALI TATBIQ ETISH

Komiljon Murodjon o'g'li MANSUROV

"Qishloq xo'jaligi mahsulotlarini qayta ishlash texnologiyalari" kafedrasi magistranti, Guliston Davlat Universiteti

Qisqacha mazmuni: Ushbu maqolada bugungi kunda qishloq xo'jaligi yo'nalishida fanlarini o'qitiladigan darslarning samaradorligini oshirish maqsadida interfaol metodlarni qo'llashning psixologik jihatlarini ochishga qaratilgan

Kalit so'zlar: ta'lim, erkin fikirlovchi, innovatsiya, psixologik-pedagogik, trening, mikroguruh, rolli o'yinlar, ijodiy faoliyat

Abstract: This article aims to reveal the psychological aspects of the use of interactive methods in order to increase the effectiveness of lessons taught in agricultural sciences today.

Keywords: education, free thinker, innovation, psychological-pedagogical, training, microgroup, role-playing games, creative activity

KUZGI BUG'DOY GENOTIPLARI TARKIBIDA PEROKSIDAZA FERMENTI VA UNING FIZIOLOGIK AHAMIYATI

Habibjon Xojiboboyevich QO'SHIYEV *b.f.d.prof.*

Oybek Xabibullaevich YUNUSOV *b.f.f.d. (PhD)*

O'tkirjon To'liqin o'g'li JUMANOV *ilmiy tadqiqotchi*

Xilola Abdusaid qizi HAQBERDIYEVA *ilmiy tadqiqotchi*
Latif Davron o'g'li SAVRONOV *biologiya yo'nalishi 3-bosqich talabasi*
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Qisqacha mazmuni: Ushbu maqolada kuzgi bug'doy navlarida perioksidaza fermentiga tuzli eritmaning ta'sirini aniqlash maqsadida olib borilgan tadqiqot natijalari keltirilgan bo'lib, ma'lumotlardan nazoratda perioksidaza miqdori 1,42-1,65 teng bo'lganligini ko'rish mumkin. Eritma konsentratsiyasi 0,5 % ga teng bo'lgan eritmada undirilgan bug'doy tarkibidagi perioksidaza fermenti miqdori ortganligi aniqlandi. Do'stlik navida nazoratda 1,52 teng bo'lgan bo'lsa 0,5 % tuzli eritmada 1,68 teng bo'ldi. Eritma konsentratsiyasining ortib borishi perioktiza miqdorining ham ortishiga olib keldi.

Kalit so'zlar: Peroksidaza, konsentratsiya, ferment faolligi, sho'rlanish, tuzli eritma.

KUZGI BUG'DOY GENOTIPLARINING O'RTACHA SHO'RLANGAN TUPROQ SHAROITIDA TRANSPIRATSIYA JADALLIGI.

O'tkirjon To'lqin o'g'li JUMANOV *ilmiy tadqiqotchi*
Tojiddin Xamdamovich KULIEV *q.x.f.n. dotsent.*

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Qisqacha mazmuni: Ushbu maqolada kuzgi bug'doy genotiplarida o'rtacha sho'rlangan tuproq sharoitida transpiratsiya jarayonining jadalligi torzion tarozida tortish usuli orqali aniqlanilgan bo'lib, transpiratsiya jadalligi 56 -78,90 mg/m² min. oralig'ini tashkil etdi. Bu navlar o'rtasida ushbu ko'rsatkich kuchli variatsiyalanganligini ko'rsatmoqda. Kuzgi bug'doyning Do'stlik, Andijon-4, Gratsiya, Matonat, Antonina kabi navlarida transpiratsiya jadalligi boshqa navlarga nisbatan yuqori (72,7-78,9) va Pervitsa, Bobur, Asr, Omad, Hazrati Beshir kabi navlarida esa past ko'rsatikich (58-65 mg/m² min.) qayd etildi. Barg yuza sathi va transpiratsiya jadalligi o'rtasida o'rtacha darajada korrelyatsion bog'lanish qayd etildi.

Kalit so'zlar: Transpiratsiya, suv bug'latish, sho'rlanish, torzion tarozi, kuzgi bug'doy, sho'rga chidamlilik.

KUZGI BUG'DOY DON TARKIBIDAGI MIKROELEMENTLAR MIQDORI.

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Oybek Xabibullaevich YUNUSOV *b.f.f.d. (PhD)*

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Qisqacha mazmuni: Ushu maqolada o'rtacha sho'rlangan tuproq iqlim sharoitida kuzgi bug'doy genotiplarining doni tarkibidagi makro va mikroelementlar va ularning miqdori bo'yicha ma'lumotlar keltirilgan. Aniqlanilgan natijalarda borning miqdoriga alohida etibor berilgan bo'lib, chunki bor elementi o'simliklarni stress sharoitga, jumladan sovuqa, qurg'oqchilikka va sho'rga chidamligini oshirishda muhim ahamiyatga ega. Kuzgi bug'doyning KGU-472 kolleksion namunasida borning miqdori yuqori ekanligi undan boshlang'ich manba sifatida foydalanish mumkinligi aniqlandi.

Kalit so'zlar: Makroelementlar, mikroelementlar, genotip, quruq modda, sho'rga chidamlilik.

EKOLOGIK TARBIYANING IJTIMOIIY VA IQTISODIIY JIHATLARI

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Katta o'qituvchi, Guliston davlat universiteti

Oybek UMIRZAKOV, talaba

Abdulaxad ISMOILOV, talaba, *Guliston davlat universiteti*

Qisqacha mazmuni: Environmental education is one of the most important aspects of modern times. When implementing ecological education, it is necessary to know the causes of environmental problems and ways to prevent them. The article covers the environmental problems arising as a result of socio-economic development, their consequences, and the role of environmental education in their elimination.

Keywords: Nature and society, natural resources, nature protection, economic forum, industry, transport, agriculture, environmental education, environmental education, environmental literacy.

DEHQONCHILIK ILMIY IZLANISH ASOSLARI FANINING QISHLOQ XO'JALIGI SOHASIDA ILMIY TADQIQOTCHILARNI TAYYORLASHDAGI AHAMIYATI

Umrzoq Lapasovich G'OZIYEV

Sevara Dilmurod qizi QURBONOVA

Guliston davlat universiteti

Qisqacha mazmuni: Ushbu maqolada ilmiy izlanishlar asoslarini tashkil etuvchi manbaalar, nazariy va amaliy bilim ma'lumotlari, talabalarning ilmiy izlanishda qatnashishiga da'vat etuvchi va ilmiy hujjatlarni to'g'ri olib borish yo'l-yo'riqlari, ixtiro tushunchalari, bitiruv malakaviy ishlar va magistrlik dissertatsiyalarini bajarish tartibi bo'yicha ma'lumotlar keltirilgan.

Kalit so'zlar: Dehqonchilik, ilmiy tadqiqot, ilmiy anjumanlar, kadrlar tayyorlash dasturi, qishloq xo'jaligi, bilim, ko'nikma, oziq-ovqat, o'simlikshunoslik, mevachilik, sabzavotchilik, hosildorlik, sifat, talabalar, oliy ta'lim.

Abstract: This article presents the sources that form the basis of scientific

research, theoretical and practical knowledge that stimulates the participation of students in scientific research and guidelines for the correct maintenance of scientific documents, concepts of invention, final qualifying works and information on the order of execution Ph.D. dissertations are provided.

Keywords: agriculture, scientific research, scientific conferences, curriculum, agriculture, knowledge, skills, food, crop production, fruit growing, vegetable growing, productivity, quality, students, higher education.

O'ZBEKISTONDA SUV OMBORLARINING QURILISHI NATIJASIDA VUJUDGA KELADIGAN DOLZARB EKOLOGIK MUAMMOLAR

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Qisqacha mazmuni: Suv omborlarini barpo etishda vujudga keladigan turli xil geoekologik muammolarni oldini olish yoki suv omborlarni to'g'ri joylashtirishga qaratilgan bo'lib, ularni salbiy yoki ijobiy ta'sirini baholashdan iborat .

Kalit so'zlar: Suv sathi, harorat, rejim, orografik, tuproq qatlamlari, bug'lanish, to'plovchi, tarqatuvchi, GES, tekislik, tog' va tog' oralig'i botiqlari .

Abstract: It is aimed at preventing various geocological problems that arise in the construction of water reservoirs or at the correct placement of water reservoirs, and it consists in evaluating their negative or positive effects.

Keywords: Water level, temperature, regime, orographic, soil layers, evaporation, collector, distributor, HPP, plain, mountain and intermountain depressions.

EFFECT OF GLYCYRRHIZIC ACID AND MENTHOL BASED SUPRAMOLECULAR COMPLEXES ON WHEAT (TRITICUM AESTIVUM L) GERMINATION INDICATORS

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Abstract: In the study, chemical identification of synthesized supramolecular complexes of glycyrrhizic acid (GA) with menthol isolated from the root of licorice (*Glycyrrhiza glabra* L.) and their effect on germination parameters of wheat (*triticum aestivum* L) "Dostlik" variety was studied.

Keywords: glycyrrhizic acid, menthol, supramolecular complex, germination, correlation matrix.

QISHLOQ HO'JALIGI ZARARKUNANDALARIDAN XEROPICTA CANDACHARICA TURINING CHO'L MINTAQASI VA BIOTOPLARI BO'YICHA TARQALISHI.

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Zokirjon Suyarqulovich MAXAMADIYEV, *doktorant*

Yodgora Muzaffar qizi SUYUNOVA, *magistrant*

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Qisqacha mazmuni: Maqolada qishloq ho'jaligi zararkunandalaridan *Xeropicta candacharica* turining cho'l mintaqasi va biotoplari bo'yicha tarqalishi bo'yicha amalga oshirilgan tadqiqot ishlarining natijalari keltirilgan. Cho'l mintaqasida *Xeropicta candacharica* turi asosan quydagi biotoplar: bog' va poliz ekinlari maydonlari, ariq bo'ylaridagi o'tlar orasi, daryo terassalari, bedapoya maydonlari, o'zlashtirilmagan maydonlardagi turli xil o'simliklar orasida tarqalgan. *X. candacharica* ning populyatsiyadagi zichligi 1 m² maydonda 12-15 taga teng bo'lsa, bedapoya maydonlarida bu ko'rsatgich 50-60 ta va ba'zida 100 tagacha uchrashi mumkin.

Kalit so'zlar: Mintaqa, namlik, biotop, maydon.

TALABALARGA SANOAT JIXOZLARI VA TRANSPORT USKUNALARINING REKONSTRUKSIYASI VA MODERINIZATSIYASI MAVZUSINI O'QITISHDA MODULLI YONDASHUV

Islom Rustam o'g'li MAXMUDOV, *o'qituvchi*

Muhammad Faxriddin o'g'li OTABOYEV, *o'qituvchi*

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Qisqacha mazmunii: Ushbu maqolada mamlakatimizdagi qishloq xo'jalik mahsulotlarini saqlash va qayta ishlash, yarim tayyor oziq-ovqat mahsulotlarini ishlab chiqarish bo'yicha eng zamonaviy texnologiyalar asosida jixozlangan yangi qayta ishlash korxonalarini qurish, mavjud korxonalaridagi qurilmalarni rekonstruksiya va modernizatsiya qilishga qaratilgan loyihalarni amalga oshirish va sohaga malakali kadrlarni tayyorlash kabi masalalar yoritilgan.

Kalit so'zlar: rekonstruksiya, modernizatsiya, transportyor, elektrotelejka, elektrokara, elektropogruzchik, shnek, elevator, noriya, porshenli nasos, shesternali nasos, pnevmatik qurilma, aerazol qurilma.

PEDAGOGICAL TECHNOLOGIES IN TEACHING THE SUBJECT "INNOVATIVE TECHNOLOGIES OF QUICK COOKING PEANUT CULTIVATION"

Guljakhan Kamalovna MIRSHARIPOVA

Nozimjon Abdurahimovich KOMILOV

Abstract: The information presented in this article is about the innovative pedagogical technologies used in the teaching of the “Plant Science” subject “Innovative technologies of cultivation of Tezpushar peanut varieties as a repeated crop”, the improvement of the educational process, the wide use of technical tools, the solid knowledge and skills of students enables them to acquire skills.

In the article, a case was prepared for students to work independently within the topic. At the same time, lecture text and presentation materials were developed based on modern pedagogical technology.

Keywords: peanut, repeated crop, cultivation technology, educational project, goal, problem, project, stages, pedagogical technology.

“SOYA AHAMIYATI, BIOLOGIYASI VA YETISHTIRISH TEKNOLOGIYASI” MAVZUSINI O‘QITISHDA ILG‘OR TA‘LIM TEKNOLOGIYALARIDAN FOYDALANISH

Guljaxon Kamalovna MIRSHARIPOVA *q/x.f.n., dotsent*

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Dildora Ergash qizi XO‘JABEKOVA,

Guliston davlat universiteti, magistr

Qisqacha mazmuni: O‘simlikshunoslik fanidan “Soya biologiyasi va yetishtirish texnologiyasi mavzusini o‘qitishda keys-stadi usulidan foydalanish talabalarni nazariy bilim, amaliy ko‘nikmalar va yuqori toifali malakaga ega bo‘lishlariga yordam beradi. Bunda talabaning faol ishtiroki ta‘minlanadi, chunki dars davomida talabalar bilan o‘zaro “munozara” olib borilishi, “muammolar” ni birgalashib hal etish holatlarini bo‘lishi talaba har tomonlama o‘zini sinab ko‘rish imkoniyatiga ega bo‘ladi.

Kalit so‘zlar: o‘simlikshunoslik fani, soya, biologiyasi, yetishtirish texnologiyasi, pedagogik texnologiya, keys-stadi, muommoli vaziyat, “T - sxema”, baholash mezon.

DEVELOP TEACHING INNOVATION TECHNOLOGY FOR THE TOPIC OF CULTIVATION SOYA

Guljakhan Kamalovna MIRSHARIPOVA

Dildora KHOJABEKOVA

Qisqacha mazmuni: The use of case-study method in teaching the subject of “Soybean Biology and Cultivation Technology” from Plant Science will help students to acquire theoretical knowledge, practical skills and high-quality skills. The active participation of the student is ensured, because during the lesson there will be a mutual “discussion” with the students, there will be cases of solving “problems” together, the student will have the opportunity to test himself in every way.

By using these active methods, the teacher will have the opportunity to accurately and completely evaluate the students’ participation in the lesson, their

ability to quickly and correctly answer the questions, make various suggestions for solving problems, and their practical skills in the subject. As a result, the students' interest in the teacher and the subject he/she is studying will increase.

Keywords: plant science, soy, its biology, cultivation technology, pedagogical technology, case-study, problem situation, "T - scheme", evaluation criteria.

PEDAGOGIK TEXNOLOGIYANING "BALIQ SKELETI" METODINI QO'LLASH

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Zohidjon Ravshan o'g'li MIYASSAROV, *t.f.f.d., dotsent*,
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Qisqacha mazmuni: Maqolada oliy ta'limning o'quv jarayoniga yangi ta'lim texnologiyalarini joriy etishni nazarda tutuvchi hozirgi bosqichda O'zbekistonda amalga oshirilayotgan islohotlar strategiyasi bayon etilgan. Respublika ijtimoiy hayotiga shiddatli tezlikda axborotlar oqimi keng ko'lamni qamrab olmoqda. Axborotlarni tezkor sur'atda qabul qilib olish, hamda talabaga yetkazib berishni yo'lga qo'yish ta'lim tizimi oldida turgan dolzarb muammolardan biridir. Shuning uchun ta'lim texnologiyasining markaziy muammosi - ta'lim oluvchi shaxsini rivojlantirish orqali ta'lim maqsadiga erishishni ta'minlashdan iborat.

Kalit so'zlar: axborot, ta'lim-tarbiya, pedagogik texnologiya, faoliyat, baliq skeleti, metod, fikr-mulohazalar, mahsulot, biologik faol modda, rafinatsiya, yog', vitamin, trans, margarin, noselektiv.

SUG'ORILADIGAN TUPROQLARDA SIZOT SUVLARI SATXI VA MINERALIZATSIYASI MONITORINGI

O'TOSHBEKOV *q.x.f.n., dotsent*
A.ATABEKOV, *magistr*
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Qisqacha mazmuni: Ushbu maqola - sug'oriladigan tuproqlarining meliorativ holati bo'yicha Sirdaryo viloyat melioratsiya xizmatining 2022 chi yildagi kuzatuv ma'lumotlarini to'plab, tahlil qilish natijasida olingan ma'lumotlar asosida, hudud tuproqlarining meliorativ holatini monitoringini yuritishning nazariy va amaliy jixatlariga bog'ishlangan. Sug'oriladigan yerlar monitoringi tizimini shakllantirishda axborot ta'minotini yo'lga qo'yish kerakligini, ushbu maqsadga erishish uchun mahalliy monitoring tuzilmasini ishlab chiqish zarurligini takidlashgan.

Kalit so'zlar: Sug'oriladigan maydonlar, meliorativ tadbir, monitoring, zovur, mexanik tarkib, sizot suvlari, mineralizatsiya, kritik chuqurlik, melioratsiya axborot tizimi(MIS), quduq(pezometr), Dayver qurilmalari.

Abstract: This article is devoted to the theoretical and practical aspects of monitoring the land reclamation condition of the region based on the data obtained

as a result of the collection and analysis of the monitoring data of the reclamation service of Sirdarya region in 2022. It was emphasized that in the formation of the system of monitoring of irrigated lands, it is necessary to establish information supply, and to achieve this goal, it is necessary to develop a local monitoring structure.

Keywords: Irrigated areas, reclamation activity, monitoring, ditch, mechanical structure, leachate, mineralization, critical depth, reclamation information system (MIS), well (pezometer), Diver installations.

TEMIR (III) IONINI MIQDORIY ANIKLASHNING OPTIMAL SHAROITLARINI O'RGANISH TEXNOLOGIYASI

S.A.MAJIDOV, *tayanch doktoranti, Guliston davlat universiteti*

U.K.ABDURAXMANOVA *b.f.d., prof. Guliston davlat universiteti*

Qisqacha mazmuni: Ishlab chiqarish rivojlanib borayotgan hozirgi kunda dunyo bo'yicha atrof-muhit muhofazasi masalalaridan biri sanoat chiqindilari va oqava suvlari tarkibidagi og'ir metall ionlarini aniqlash monitoringini olib borish usullarini ishlab chiqishda identifikatorlar sifatida sezgirligi yuqori va tanlab ta'sir etuvchan reagentlarni tanlash va ularni amaliyotda qo'llash dolzarb vazifalardan hisoblanadi. Bunday samarali analitik reagentlar sifatida tarkibida funktsional guruhlar tutgan tabiiy birikmalardan foydalanish muhim ahamiyat kasb etadi [1-4]. Shu maqsadni ko'zlagan xolda biz tarkibida funktsional faol guruh tutgan azotli organik modda indigoni temir metall ionlariga nisbatan reagentlik xususiyatini o'rganishni maqsad qildi.

KO'K NO'XAT (PISUM SATIVUM L.) OZUQABOP EKIN

T.H. KULIEV., O.X. YUNUSOV., O.TOJIEVA

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Qisqacha mazmuni: Dukkakli ekinlar biologik, ekologik va ijtimoiy ahamiyat kasb etadi. Dukkakli ekinlar aholini oziq-ovqat mahsulotlarida muhim o'rinni egallaydi. Jumladan, soya, no'xat, loviya, yasmiq va boshqa. Insoniyatning o'simlik oqsiliga bo'lgan talabini qondirishda, xashaki no'xat, vika chorva ozuka sifatini yaxshilashda muhim ahamiyatga ega. Ushbu ekinlar orasida ko'k no'xat (*Pisum sativum L.*) yoki *ekma no'xat* ham deb ataladi o'zining biologik va xo'jalik ahamiyati jihatidan don dukkakli ekinlardan hisoblanadi.

Kalit so'zlar: dukkakli ekinlar, ko'k no'xat, ekma no'xat.

УС8 В БИОСИНТЕЗЕ АУКСИНА РАСТЕНИЙ

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“Биология”

Аннотация: YUC участвуют в биосинтезе ауксина и влияют на экспрессию этих генов факторов окружающей среды.

GENETIKADA BELGILARNING IRSIYLANISHINI MATEMATIK USULLARDA TAHLIL QILISHNI O'RGANISH.

Alisher Zarif o'g'li XOLDOROV,
Ma'rufjon Maxammatjanovich ERGASHEV
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Qisqacha mazmuni: Zamonaviy ilmiy tadqiqotlarning o'ziga xos xususiyati aniq matematik usullarning turli xil bilim sohalarida keng qo'llanilishidadir. Tirik tabiat faniga matematik usullarning kirib borishi hozirgi kunda ko'p jihatdan amalga oshirilmoqda: bir tomondan, bu zamonaviy kompyuter texnologiyalaridan biologik va tibbiy ma'lumotni tez va samarali qayta ishlash uchun foydalanish, ikkinchi tomondan, tirik tizimlar va ularda sodir bo'layotgan jarayonlarni tavsiflovchi matematik modellarni yaratish.

Kalit so'zlar: genetika, irsiyat, irsiylanish, xromasoma, hujayra, organizm

GENETIKADA MATEMATIK TAHLIL
Ozodbek Nurali o'g'li AXMEDOV,
Shoxrux Izzatillo o'g'li ELAMANOV
Guliston davlat universiteti

Qisqacha mazmuni: Mendelgacha bo'lgan davrda o'simlik, hayvon va odamlarda turli belgilarning ota-onadan kelgusi avlodlarga berilishiga oid bir qator dalillar yig'ilgan edi. Masalan: nemis olimi I.G.Kelreyter (1733–1806) tamaki navlari va turlarini har xil kombinatsiyada duragaylab, ularda ota-ona belgilarining rivojlanishini tekshirgan. Ingliz olimi T.E.Nayt (1759–1838) no'xat o'simligi duragaylarini kuzatib, birinchi avlod duragaylari o'simliklari bir xil, ikkinchi avlod duragaylarning esa xilma – xil bo'lishligini ta'kidlagan. Frantsuz olimi O.Sajre (1763–1851) o'simlik duragaylari avlodlarida ota-ona belgilari har xil variantda, qayta taqsimlanib xilma-xillik beradi degan xulosaga kelgan. Evolyutsion ta'limotning asoschisi Ch.Darvin (1809–1882) irsiyat va o'zgaruvchanlik tabiiy tanlanish bilan birga organik olam evolyutsiyasining asosiy omillari ekanligini isbotladi.

GLISIRRIZIN KISLOTASI MONO KALIYLI TUZINING OG'IR METALLARGA TA'SIRI

Nigora Abdumalik qizi OBIDOVA,
magistrant, Guliston davlat universiteti
Madina Pulatbay kizi MAMBETMURATOVA,

o'qituvchi Nukus davlat pedagogika instituti
Ugilay Koxxorovna ABDURAXMANOVA,
b.f.d., prof. Guliston davlat universiteti

Qisqacha mazmuni: Respublikamiz florasida dorivor o'simliklarga juda boy bo'lib ulardan o'ziga xos xususiyatga ega bo'lganlaridan biri bu "Glyssyrrhiza glabra", ya'ni shirinmiya o'simligidir. Ildiz kimyoviy tarkibining xilma-xilligi sabab shirinmiya ildizi damlamasidan qadimdan tibbiyotda balg'am ko'chiruvchi, yallig'lanishga qarshi, immunitetni kuchaytiruvchi vosita sifatida keng qo'llanilib kelingan va hozirgi kunda xam xalq tabobatida keng qo'llaniladi. Bundan tashqari shirinmiya ildizi ekstraktidan xalq xo'jaligining 20 dan ortiq tarmoqlarida qo'llaniladi.

GLITSIRRIZIN KISLOTASINING BENZOTRIAZOL BILAN SUPRAMOLEKULAR KOMPLEKSINI BUG'DOYNING O'SISHI VA RIVOJLANISHI HAMDA FUZARIUM ZAMBURUG'LI KASALIGA QARSHI TA'SIRINI MOLEKULAR-GENETIK TAHLILI

S.H.HOJIBOBOEVA, *Guliston davlat universiteti*
O.YUNUSOV, *Guliston davlat universiteti dotsenti*

Qisqacha mazmuni: Ma'lumki, fuzarium avlodiga mansub zamburug'lar o'simliklarning, jumladan, bug'doyning o'sishi va rivojlanishiga ta'sir etishi bilan birga ulardan ajraladigan toksinlar inson va hayvonlar sog'ligiga ham salbiy ta'sir etadi. Shunga ko'ra ushbu olib bolirilgan tadqiqotimizda glitsirrizin kislotasining (GK) benzotriazol bilan supramolekular kompleksini fuzarium zamburug'ining rivojlanishiga ta'siri o'rganildi. Olib borilgan tadqiqotlarda bug'doyning urug'i ekishdan oldin GKning benzotriazol bilan ishlov berilib, dastlabki va vegetativ rivojlanish bosqichlarida sepilganda samarali ta'sir etish ko'rsatkichlari aniqlandi

SOYA MAHSULDOR VA SERDAROMAD EKIN
Guljaxon Kamalovna MIRSHARIPOVA
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Qisqacha mazmuni: Ushbu maqolada aholini ekologik toza qishloq xo'jalik mahsulotlar bilan ta'minlash, chorvachilik oziqa bazasini yaxshilash, tuproq unumdorligini oshirishda soya ekinini yetishtirishning ahamiyati va soya ekin maydonlarini kengaytirishdagi muammolarga va ularning yechimlariga oid ma'lumotlar keltirilgan. Shuningdek, maqolada keltirilgan ma'lumotlar talabalarga o'simlikshunoslik, donchilik, va yem-xashak ekinlar biologiyasi va yetishtirish texnologiyasi, chorvachilik fanlarini o'qitishda ahamiyatga ega.

Kalit so'zlar: soya, oqsil, moy, ekologik toza mahsulot, biologik azot, asosiy ekin, takroriy ekin.

SOYBEAN IS A PRODUCTIVE AND PROFITABLE CROP **Guljakhan Kamalovna MIRSHARIPOVA**

Abstract: In this article, the importance of soybean cultivation in providing the population with ecologically clean agricultural products, improving the livestock feed base, increasing soil fertility, and soybean cultivation area. Also, the information presented in the article is important for teaching students plant science, grain and fodder crop biology and cultivation technology, animal husbandry.

Keywords: soy, protein, oil, environmentally friendly product, biological nitrogen, main crop, repeat crop.

SOYA MOYINI BIOLOGIK FAOL MODDALAR BILAN BOYITILGAN YOG' MAHSULOTI ISHLAB CHIQRARISH MAVZUSIGA ZAMONAVIY PEDAGOGIK TEXNOLOGIYANING "BALIQ SKELETI" METODINI QO'LLASH

Sardor Komilovich KUZIBEKOV, *t.f.f.d., dotsent,*
Zohidjon Ravshan o'g'li MIYASSAROV, *doktorant*
Guliston davlat universiteti

Qisqacha mazmuni: Maqolada oliy ta'limning o'quv jarayoniga yangi ta'lim texnologiyalarini joriy etishni nazarda tutuvchi hozirgi bosqichda O'zbekistonda amalga oshirilayotgan islohotlar strategiyasi bayon etilgan. Respublika ijtimoiy hayotiga shiddatli tezlikda axborotlar oqimi keng ko'lamni qamrab olmoqda. Axborotlarni tezkor sur'atda qabul qilib olish, hamda talabaga yetkazib berishni yo'lga qo'yish ta'lim tizimi oldida turgan dolzarb muammolardan biridir. Shuning uchun ta'lim texnologiyasining markaziy muammosi - ta'lim oluvchi shaxsini rivojlantirish orqali ta'lim maqsadiga erishishni ta'minlashdan iborat.

Kalit so'zlar: axborot, ta'lim-tarbiya, pedagogik texnologiya, faoliyat, baliq skeleti, metod, fikr-mulohazalar, mahsulot, biologik faol modda, rafinatsiya, yog', vitamin, trans, margarin, noselektiv.

XIZMAT KO'RSATISH TARMOQLARINI RIVOJLANTRISHDA FANLAR ARO TADQIQOTLARNING AHAMIYATI

Altibayeva Muxayyo Begimqulovna, *Guliston davlat universiteti, o'qituvchi*
Qilichev Zoyir Toxir o'g'li, *Guliston davlat universiteti, o'qituvchi*

Qisqacha mazmuni: Xizmat ko'rsatish tarmoqlari zamonaviy jahon iqtisodiyotida muhim ahamiyatga ega. Hozirgi kunda jahon mehnat resurslarining katta qismi bandligi hamda yalpi milliy mahsulotning salmoqli qismi aynan shu sohada yaratiladi. Bunda hududning iqtisodiy va ijtimoiy rivojlanishi muhim sanaladi. Respublikamizning viloyatlarida xizmat ko'rsatish infratuzilmasini

yaxshilash borasida qator ishlar qilinayotganinin ko'rishimiz mumkin.

Kalit so'zlar: *Xizmat ko'rsatish sohalari, ananaviy bosqich, industrial bosqich, postindustrial bosqich, xizmat ko'rsatish infratuzilmasi.*

Abstract: The service sector is important in today's global economy. Today, the employment of a large part of the world's labor resources and a significant part of the gross national product is created in this area. The economic and social development of the region is important. We can see that a number of measures are being taken to improve the service infrastructure in the regions of the country.

Keywords: Service sectors, traditional stage, industrial stage, post-industrial stage, service infrastructure.

ВНЕДРЕНИЕ ЦИФРОВЫХ И ИНФОРМАЦИОННО-КОММУНИКАЦИОННЫХ ТЕХНОЛОГИЙ В СИСТЕМЕ ПОДГОТОВКИ ПЕДАГОГИЧЕСКИХ КАДРОВ

Нурмухамедов Ахмад Анварович

Ганижонов Дониёр Иброхим угли

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Аннотация: *В статье рассматриваются преимущества развития цифровых технологий и телекоммуникационных систем, которые существенно влияют на формирование знаний и умений педагогов, хранение информации, методы передачи, важные задачи при выводе процесса цифровизации системы образования на новый уровень информатизации и методическое обеспечение, требования к особенностям использования, новые возможности передачи качественных учебных видео и аудиоматериалов, информация о трансформации в новую среду обучения.*

Ключевые слова: *образование, педагогический коллектив, технологии, цифровое образование, технологические процессы.*

TA'LIMDA ZAMONAVIY PEDAGOGIK TEXNOLOGIYALARNI QO'LLASHNING AVZALLIKLARI

Obloqulov Muzaffar Rahmonqul o'g'li

Guliston davlat universiteti "Tabiiy fanlar" fakulteti "Tuproqshunoslik" kafedrası o'qituvchisi

Qisqacha mazmuni: Ushbu maqolada talabalarni milliy o'zligini anglashga, pedagogik texnologiyalarni qo'llash, munozarali guruhlar, juftliklar, turlicha mashqlar, «Dumaloq stol» metodi, «Ruchka stol ustida» metodi, «Rotatsiya» metodi, «Davra suhbatı» metodi, «Galeriyani aylanish» metodi, «Qor bo'ron» metodi, «Asalari galasi» metodi, «Akvarium» metodi, «Dumalovchi qor uyumi» metodi, «Raqamli» metodilardan foydalanish, dars samaradorligini oshirish texnologiyasi ishlab chiqilgan.

Kalit so'zlar: muammoli o'qitish texnologiyasi, shaxsga yo'naltirilgan texnologiya, uzviylik, tizimlik, komponent, «Sinektika» metodi, bilim, malaka,

ko'nikma, ta'lim.

Abstract: In this article, the use of pedagogical technologies, discussion groups, pairs, various exercises, "Round discussion" method, "Pen on the table" method, "Circulation" method, "Round discussion" method, "Round discussion" method gallery, "Snow bo "roni" method, "Beehive" method, "Aquarium" method, "Snow nest" method, use of "Digital" methods, technology to increase the efficiency of the lesson. developed.

Keywords: problem-based teaching technology, person-oriented technology, consistency, system, component, "Synectics" method, knowledge, competence, competence, education.

GULISTONTUMANI "O'ZBEKISTON MASSIVITUPROQLARINING SIFAT BAHOSI VA UNI O'QITISH USLUBIYOTI

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Guliston davlat universiteti magistranti

Qisqacha mazmuni: Maqolada Guliston tumani gidromorf tuproqlarining shakllanishi, ularning xossa va xususiyatlari haqida ma'lumotlar umumlashtirildi. Bitta massivda joylashgan, lekin daryoning turli terassalarida joylashgan tuproqlarning xossalari solishtirilgan. Massiv tuproq ayirmalarining bonitet balli baholandi. Tuproq sifat bahosi uchun mexanik tarkib asosiy shkala qilib qo'llanildi, boshqa xossalalar bo'yicha tuzatish koeffitsiyentlari kiritilgan. Tuproq sifat bahosi materiallari tahlil qilinib ulardan ekinlarni joylashtirish, hosildorlikni rejalashtirish va soliq miqdorini belgilashda foydalaniladi.

Kalit so'zlar: sizot suvlari sathi, bo'z tuproq, o'tloqi-bo'z tuproq, o'tloqi tuproq, tuproq sho'rlanishi, tuproq mexanik tarkibi, tuproq ayirmalari, sifat baho, gumus, fosfor, kaliy.

QISHLOQ XO'JALIK FANLARINI O'QITISHDA KLASTER METODINING TASHKIL ETISHNING AHAMIYATI

Abdillayev To'lagan Abdillayevich *t.f.n.dotsent*

"Toshkent irrigatsiya va qishloq xo'jaligini mexanizatsiyalash muhandislari instituti" Milliy tadqiqot universiteti

Otaboyev Muhammad Faxriddin o'g'li o'qituvchi

Guliston davlat universiteti

Baxromov Alisher Norboboyevich *magistr*

"Toshkent irrigatsiya va qishloq xo'jaligini mexanizatsiyalash muhandislari instituti" Milliy tadqiqot universiteti

Qisqacha mazmuni: Ushbu maqolada ta'lim jarayonlarida qishloq xo'jalik fanlarida "Klaster" metodidan foydalanishning mohiyati, texnologiyasi, ularning ma'ruza va amaliy mashg'ulotlarda samaradorlik ko'rsatkichlari ilmiy-pedagogik jihatlari keltirilgan.

Kalit so'zlar: klaster, metod, texnologiya, fikrlash, talabalar, ta'lim

jarayonlari, o'quvchilar, talaba, guruh, muammo, bilim, mashg'ulot.

Abstract: This article presents the scientific and pedagogical aspects of the use of the "Cluster" method in agricultural sciences in educational processes, its technology, and its effectiveness indicators in lectures and practical training.

Keywords: cluster, method, technology, thinking, students, educational processes, students, student, group, problem, knowledge, training.

PAXTA XOM ASHYOSINI QURUTISH JARAYONINI O'RGANUVCHILARGA INTERFAOL METODLARDAN FOYDALANGAN HOLDA YORITIB BERISHNING QULAYLIKLARI.

Qabulov Ibrohim Mamatqul o'g'li o'qituvchi

Guliston davlat universiteti

Yuldosheva Dilorom Xusniddin qizi o'qituvchi

Guliston davlat universiteti

Qisqacha mazmuni: Ushbu maqolada talabalarga o'qitiladigan paxta xom ashyosini qayta ishlash jarayoni bo'yicha, yanada keng malumotlar berish talabalar bu fan to'g'risida to'liq malumotlarga ega bo'lishlari uchun interfaol metodlarni qo'llashning samarasi, ushbu metodlar talabalarga "Paxta xom ashyosini quritish jarayoni" modulidan nazariy bilim, amaliy ko'nikmalar va yuqori malakaga ega bo'lishlariga yordam berishi, dars jarayonida talabalar bilan mazmunli "munozara" olib borilishi, ushbu metodda talabalarning faol ishtirokini taminlaydi, talabalar har tamonlama o'zini sinab ko'rishi izohlangan.

Kalit so'zlar: interfaol medot, innovatsion texnologiya, strategiyasi, Interfaol, grafik, organayzerlar, Pedagog, kadrlar.

Abstract: In this article, students are taught the process of raw cotton processing, providing more extensive information is the result of using interactive methods for students to have complete information about this subject, these methods help students "It helps them to acquire theoretical knowledge, practical skills and high qualifications from the module "Drying process of cotton raw materials", meaningful "discussion" with students during the lesson, ensures active participation of students in this method, students test themselves every time to see

Keywords: interactive method, innovative technology, strategy, Interactive, graphic, organizers, Pedagogue, personnel.

SANGZOR DARYO HAVZASIDA ATMOSFERA YOG'INLARI TAQSIMLANISHINING HUDUDIY JIHATLARI

Qosimov Nurmuxamad Dursinovich

JDPU tayanch doktoranti

Xamzayev Jaxongir Rustam o'g'li

JDPU magistranti

Qisqacha mazmuni: Sangzor daryo havzasi Jiizax viloyatining o'ziga hos tabiiy geografik hududlardan biri bo'lib, orografik tuzilishi, iqlim sharoiti bilan

ajralib turadi. Mazkur maqolada Sangzor daryo havzasi atmosfera yog'inlari <https://chrsdata.eng.uci.edu/> sayti bazasi ma'lumotlari QGIS va ArcGIS dasturlari vositasida yog'inlarning hududiy taqsimlanishi, minimal va maksimal miqdorlari hamda yil davomida bir xil yog'in tushgan hududlar ajratilib o'rganildi va tahlil qilindi.

Kalit so'zlar. Sangzor daryo havzasi, atmosfera yog'inlari, yog'inlarning hududiy taqsimlanishi, izogieta, minimal va maksimal yog'in miqdori.

QISHLOQ XO'JALIGI SOHASIDA TA'LIM SIFATINI OSHIRISHDA YANGI ILMIY ISHLANMALAR, INNOVATSIYALAR HAMDA RAQAMLI TEXNOLOGIYALARNI JORIY ETISH.

Qurbonov Ahror Po'latjon o'g'li

Guliston davlat universiteti magistranti

Qisqacha mazmuni: Qishloq xo'jaligi sohasida Respublikamizda olib borilayotgan innovatsion milliy markazlari tashkil etilgan. Ilmiy tadqiqot markazlarida qishloq xo'jaligi sohasida amalga oshirilayotgan ilmiy-tadqiqot natijalari keltirilgan. Bajirilgan ishlar va olib borilayotgan ilmiy-tadqiqotlar bo'yicha ma'lumotlar keltirilgan.

Kalit so'zlar: klaster, kooperatsiyalar, fermer xo'jaliklari, agrotexnologiyalar, agroxizmat, tejamkor resurslar, raqamli texnologiyalar, agrobiznes, logistik markazlar.

Abstract: In the field of agriculture, innovative national centers have been established in our Republic. The results of scientific research carried out in the field of agriculture in scientific research centers are presented. Information on the completed work and ongoing scientific research is provided.

Keywords: cluster, cooperatives, farms, agro-technologies, agro-service, cost-effective resources, digital technologies, agribusiness, logistics centers.

INNOVATIVE APPROACHES TO QUALITY TEACHING OF AGRICULTURAL SCIENCES

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Rakhmatov Orifjon Orifjonovich, PhD student

Saidqosimov Uchqun Abdunabi o'gli *Guliston State University*

Abstract: This article explores innovative approaches to quality teaching of agricultural sciences, focusing on the integration of technology, experiential learning, and multidisciplinary collaborations. It also examines the challenges faced by educators and offers insights into how to overcome these obstacles in order to provide effective and engaging agricultural education.

Keywords: Agricultural sciences, quality teaching, innovative approaches, technology integration, experiential learning, multidisciplinary collaboration, educational challenges, virtual learning, simulation-based learning, precision agriculture, online resources, curriculum development, environmental sustainability,

community engagement, teacher training.

QISHLOQ XO'JALIK FANLARINI SIFATLI O'QITISHDA PEDAGOGIKA VA BOSHQA FANLAR BILAN BOG'LIQLIGINING INNOVATSION YONDASHUVI

Raxmatullayev Ravshanbek Kushmuratovich

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Qisqacha mazmuni: Ushbu maqolada hozirgi kunda ilmiy-texnika taraqqiyoti qishloq xo'jaligini rivojlantirishning asosiy omillaridan biri ekanligi, mamlakatimizda qishloq xo'jaligi mahsulotlarini etishtirishda va oziq - ovqat xavfsizligini ta'minlashda qishloq xo'jaligi fanlarining, shu bilan birga qishloq xo'jalik fanlarini o'qitish metodikasining pedagogika va boshqa fanlar bilan chambarchas bog'liqligi asosiy vazifalaridan biri ekanligi respublikamizda oziq-ovqat xavfsizligini ta'minlash, aholisini oziq-ovqat mahsulotlariga bo'lgan talabini qondirish, qishloq xo'jaligi mahsulotlaridan yuqori, ekologik toza mahsulotlar etishtirishda qishloq xo'jaligi fanlarining boshqa fanlar bilan bog'liqligi muhim ekanligi hisoblanadi.

Kalit so'zlar: qishloq xo'jaligi, ekologiya, mahsulot, oziq-ovqat xavfsizligi, struktura, resurs, uslub, kimyo, dehqonchilik, o'simlik.

Abstrakt: In this article, it is stated that scientific and technical development is one of the main factors of agricultural development, the importance of agricultural sciences in the cultivation of agricultural products and ensuring food safety in our country, as well as the study of agricultural sciences. The fact that the teaching methodology is closely related to pedagogy and other sciences is one of the main tasks of ensuring food safety in our republic, satisfying the population's demand for food products, and agriculture in growing ecologically clean products superior to agricultural products. It is considered important that the sciences are related to other sciences.

Keywords: agriculture, ecology, product, food security, structure, resource, method, chemistry, farming, plant.

TEXNOLOGIYA VA UNI O'QITISH METODIKASI

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Abdashimova Xumora Abrorxo'ja qizi o'quvchi

O'ktamova Charos Ziyodulla qizi o'quvchi

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Qisqacha mazmuni: Ushbu metod texnologiya va uni o'qitirish metodikasining umumiy asoslari, darslarda integratsion yondashuv, mashg'ulotlar jarayonida xorijiy ta'lim tizimida foydalanish, shuningdek qo'l mehnati, qog'oz va karton bilan ishlash, applikasiya, tabiiy materiallar plastilin, gazlama bilan ishlash texnologiyalari tog'risida amaliy-metodik bilimlar o'z ifodasini topgan. Ushbu maqola oziq-ovqat texnologiyasiga oid fanlarni o'qitishda innovatsion pedagogik

texnologiyalardan foydalanish soha-sidagi dolzarb muammolarni o'z ichiga oladi. Unda texnika oliy o'quv - yurtlarida o'qitiladigan fanlarning o'ziga xos xususiyatlari, ularni o'qitish-da yuzaga keladigan murakkabliklar, talabalarda kimyoviy-texnologik fikrlashni rivojlantirish masalalariga alohida e'tibor qaratilgan. Taklif etilayotgan o'qitish metodlari va vositalari talabalar o'zlashtirish bosqichlariga mos ravishdagi ketma-ketlikda yoritib berilgan. Har bir metodning tatbiqiga oid maxsus fanlarga tegishli aniq misollar keltirilgan.

Kalit so'zlar: Texnologiya haqida tushuncha, metodologiya, o'qitish tamoyillari, mehnat tarbiyasi.

Abstract: This method includes the general basics of technology and its teaching methodology, an integrated approach in lessons, use of foreign educational systems during training, as well as manual labor, working with paper and cardboard, applique, natural materials plasticine, working with gauze. practical-methodical knowledge about technologies has been expressed. This article is about innovative pedagogical technologies in teaching food technology includes current problems in the field of use. Special attention is paid to the special features of the subjects taught in technical higher education institutions, the complications that arise in their teaching, and the development of chemical-technological thinking in students. The proposed teaching methods and tools are explained in a sequence corresponding to the stages of student learning. Specific examples of the application of each method are presented in specific disciplines

Keywords: Understanding of technology, methodology, teaching principles, labor education.

OZIQ-OVQAT TA'LIM YO'NALISHI TALABALARINI O'QITISHDA TEXNIK TUSHUNCHALARNI SHAKLLANTIRISH

Sattarov Karim Karshiyevich, *t.f.d., dotsent*

Tuxtamishova Gulnoza Qarshiboyevna, *katta o'qituvchi*

Nuriddinov Baxrom Raximberdiyevich, *o'qituvchi*

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Qisqacha mazmuni: Ushbu maqola oziq-ovqat texnologiyasiga oid fanlarni o'qitishda innovatsion pedagogik texnologiyalardan foydalanish soha-sidagi dolzarb muammolarni o'z ichiga oladi. Unda texnika oliy o'quv - yurtlarida o'qitiladigan fanlarning o'ziga xos xususiyatlari, ularni o'qitish-da yuzaga keladigan murakkabliklar, talabalarda kimyoviy-texnologik fikrlashni rivojlantirish masalalariga alohida e'tibor qaratilgan, bunda innovatsion pedagogik texnologiyalardan foydalanish shart-sharoitlari haqida fikr-mulohazalar keltirilgan. Taklif etilayotgan o'qitish metodlari va vositalari talabalar o'zlashtirish bosqichlariga mos ravishdagi ketma-ketlikda yoritib berilgan. Har bir metodning tatbiqiga oid maxsus fanlarga tegishli aniq misollar keltirilgan. O'quv mashg'ulotlarining zamon talablariga javob beradigan texnologik model va xaritalari hamda ularga mos ravishda ilovalar ko'rsatilgan.

Kalit so'zlar: ta'lim, axborot texnologiyalari, model, kasbiy mahorat, ta'lim

model, texnik obyektlar

Abstract: This article includes current issues in the field of using innovative pedagogical technologies in teaching food technology. In it, special attention is paid to the peculiarities of the subjects taught in technical universities, the complications that arise in their teaching, the development of chemical-technological thinking in students, and the conditions for the use of innovative pedagogical technologies. feedback is provided. The proposed teaching methods and tools are explained in a sequence corresponding to the stages of student learning. Specific examples of the application of each method are presented in specific disciplines. Technological models and maps of educational activities that meet the requirements of the time and their corresponding applications are shown

Keywords: education, information technology, model, professional skills, educational model, technical objects

OZIQ-OVQAT YO'NALISHIDA AMALIY MASHG'ULOTLARNI O'QITISHDA INNOVATSION YONDASHUVLAR

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Qisqacha mazmuni: Ushbu maqolada bugungi kunda texnologiya yo'nalishida o'qitiladigan darslarning samaradorligini oshirish maqsadida interfaol metodlarni qo'llashning psixologik jihatlarini ochishga qaratilgan. Shu bilan birga talabalarda mamlakatda oziq-ovqat mahsulotlarini ishlab chiqarish, saqlash, tashishda samarali, kam chiqimli ekologik toza innovatsion texnologiyalarni tadbiq etishni, standartlashtirish, me'yorlash, o'lchash va tekshirish usul va vositalarini belgilash, shu bilan bir qatorda amalda qo'llashni ilg'or pedagogik texnologiyalar yordamida o'rgatishdan iborat.

Kalit so'zlar: ta'lim, erkin fikirlovchi, Innovatsiya, psixologik-pedagogik, trening, savol, aqliy xujm, interfaol metod

Abstract: This article aims to reveal the psychological aspects of the use of interactive methods in order to increase the effectiveness of lessons taught in the field of technology today. application, standardization, standardization, measurement and verification methods and tools, as well as teaching practical application with the help of advanced pedagogical technologies.

Keywords: education, free thinker, Innovation, psychological-pedagogical, training, question, brainstorming, interactive method

БЕЗОПАСНОСТЬ И КРИТЕРИИ КАЧЕСТВА ХЛЕБА, К ИСПОЛЬЗУЕМЫМ ВТОРИЧНЫМ СЫРЬЕВЫМ ДОБАВКАМ ДЛЯ ОБОГАЩЕНИЯ ХЛЕБОБУЛОЧНЫХ ИЗДЕЛИЙ

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Аннотация: Обеспечение высокого качества и безопасности пищевых продуктов, получаемых из зерна пшеницы и других злаковых культур, является одной из важнейших составляющих концепции здорового питания населения.

TALABALARGA UZUMCHILIK FANINI O'RGATISHNI INTER-FAOL MEDOTLARDAN FOYDALANGAN HOLDA TASHKIL ETISH.

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Qisqacha mazmuni: Mazkur maqolada uzum yetishtirish usullarini talabalarga innovatsion texnologiyalardan foydalangan holda tashkil etishning samaradorligi, o'quv jarayonida turli xil interfaol metodlarni qo'llashning unimi to'g'risida fikr va mulohazalar yuritiladi. Hozirgi kunda soha bo'yicha malakali mutaxassislariga bo'lgan talab va ushbu talabni qondirish bo'yicha bajarilishi lozim bo'lgan amaliy ishlar bo'yicha ma'lumotlar keltirib o'tiladi.

Kalit so'zlar: innovatsion, texnologiya, interfaol, medot, Genetik, mikrobiolog, agrosanoat.

Abstract: This article discusses the effectiveness of teaching grape growing methods to students using innovative technologies, the effectiveness of using various interactive methods in the educational process. Currently, information on the demand for qualified specialists in the field and the practical work to be performed to meet this demand is provided.

Keywords: innovative, technology, interactive, method, Genetic, microbiologist, agro-industry.

TABIIY FANLAR BO'YICHA SAVODXONLIK KOMPETENSIYALARI. PISA XALQARO BAHOLASH DASTURI

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Guliston davlat universiteti "Dorivor o'simliklar va botanika" kafedrası o'qituvchisi

Qisqacha mazmuni: maqola bugungi kunda xalqaro baholash dasturlari

ichida butun dunyoda keng qamrovli va muntazam ravishda o'tkazib kelinayotgan, o'ziga xos ahamiyatga ega dasturlardan biri PISA haqida. Shuningdek tabiiy fanlar bo'yicha savodxonlik kompetensiyasi biologiya fani misolida yoritib berilgan.

Kalit so'zlar: PISA, TIMSS, PIRLS, TALIS, konsepsiya, tabiiy fanlar, savodxon,

ADVANTAGES OF TRAINING ELEMENTS OF THE MANGANESE GROUP USING INTERACTIVE METHODS

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Abstract: The content and essence of the use of interactive methods in the teaching of manganese and its compounds and the development of a methodological system are presented in the paper. The study used methods of observation, scientific and methodological analysis and generalization..

Keywords: manganese, rhenium, technetium, manganese group, educational process, interactive method, innovative pedagogical technologies.

ISHLAB CHIQRISHDA ZAMONAVIY TA'LIM TEXNOLOGIYALARINING QO'LLANILISHI

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Qisqacha mazmuni: Mamlakatni ijtimoiy-iqtisodiy rivojlantirishning ustuvor vazifalaridan kelib chiqqan holda, kadrlar tayyorlash mazmunini takomillashtirish, xalqaro standartlar darajasiga mos oliy ma'lumotli mutaxassislar tayyorlash ta'limga texnologik yondashuvni talab etadi. Bunda bevosita ta'lim jarayonini, oliy ta'limning o'quv reja va dasturlarini yangi pedagogik texnologiyalar va o'qitish usullarini keng joriy etish, ilmiy ta'lim jarayonini sifat jihatidan yangilash va zamonaviy tashkiliy shakllarni joriy etish muhim ahamiyatga ega.

Kalit so'zlar: innovatsiya, ta'lim texnologiyalari, pedagogik texnologiyalar, oziq-ovqat xavfsizligi, ilmiy tadqiqotlar, kadrlar tayyorlash, moddiy texnika, optimallashtirish, modernizatsiya qilish, axborot-kommunikatsiya texnologiyalari, rekonstruksiya, kapital ta'mirlash, xom ashyo, ishlab chiqarish, texnologik operatsiya, texnologik xarita, texnologik rejim.

WAYS OF INNOVATIVE USE OF LABOR RESOURCES IN THE DEVELOPMENT OF THE NATIONAL ECONOMY

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Oybek Umirzakov,

Guliston davlat universiteti, Ekologiya va geografiya

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Abstract: Paying attention to the state of territorial development of the service sector of the republic, one can see that there are differences in the volume of services produced by its administrative units. Geographical differences in this regard are primarily due to the level of socio-economic development of the regions, as well as their demographic potential. While progress is an incentive for the development of many intangibles.

Keywords: Service, recreation, infrastructure, medical cluster.

MICROORGANISMS IN SALINE SOIL AND THEIR BIOLOGICAL AND ECOLOGICAL SIGNIFICANCE

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Abstract: This study was conducted in the field of the farm "The laboring land at Boyovut", Boyovut district, Sirdarya region. For this, a soil sample was taken from the 0-30 cm layer of the saline field for microbiological analysis and identification of endemic microorganisms.

If the biological importance of soil microorganisms is based on the provision of biological nitrogen for the growth and development of plants (symbiosis), their ecological importance is explained by increasing the resistance of plants to stress conditions. This can be seen in the example of microorganisms belonging to the genus *Bacillus*. In our future research work, we aim to study the soil microflora under the influence of the biopreparation prepared from nodule bacteria isolated from the root of Licorice. In particular, ammonification, nutritive, nitrogen fixation processes are carried out with the participation of microorganisms in the soil, which is the most favorable for the development of microbes. Microorganisms participate in the decomposition of organic matter.

Keywords. symbiosis, bacteria, gibberellin, licorice (*Glycyrrhiza glabra* L), germination, nutrient medium, HPLC, fungi, isolates

TUPROQQA FAOL ISHLOV BERISH MASHINALARIGA DOIR MAVZULARNI FANLARARO INTEGRATSIYA ASOSIDA O'QITISHNING INNOVATSION YONDASHUVI

To'raqulov Mamaraym t.f.n. dotsent

Ermатов Valijon Abdivaitovich o'qituvchi

Batirov Baxtiyar Kunishovich o'qituvchi

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Qisqacha mazmuni: Ushbu maqolada turli mavzular misolida faol ish

organli mashinalarga oid o'quv materialini Muhandislik va kompyuter grafikasi, Nazariy mexanika kabi fanlar bilan integratsiyalashgan holda o'qitish imkoniyatlari muhokama qilingan. Bu imkoniyatlarning dolzarbligida integratsiyalashgan holda o'rganilayotgan mavzular, ular doirasida amalga oshirilayotgan vazifalar mavzularning mazmunan integratsiyalashuvi hisobiga kengaytiriladi. Integratsiyalashgan ta'lim asosida Qishloq xo'jalik mashinalari Muhandislik va kompyuter grafikasi, Nazariy mexanika fanlarini o'zaro bog'liq va bir-birini to'ldirib o'tish mumkinligi tushuntiriladi.

Kalit so'zlar: integratsiyalashgan darsning maqsadlari; integratsiya darajalari; rotatsion ish organ, integratsiya, troektoriya, proektsiyalash, kinematika, harakat, o'rnatish.

Abstract: In the article we will consider a thematic tour dedicated to the implementation of organizational work on Engineering and computer graphics, Theoretical mechanics and scientific integration. Despite the fact that there are now more and more opportunities, cooperation in the field of integrations is intensifying. During the meeting, the sides discussed issues of cooperation between. It is explained that agricultural machines are related and complementary to the disciplines of Engineering and computer graphics, Theoretical mechanics.

Keywords: Integration darning goal; integration oval; rotation of organs, integration, three-trajectory, projection, kinematics, movement, fusion.

DEXQONCHILIKA OID MAVZULARNI O'ZLASHTIRISHDA TABIIY OMILLAR INTEGRATSIYASINI TAHLIL QILA OLISHNING AHAMIYATI

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Mansurov Komiljon Murodjon o'g'li *magistr*
Nurullayev Fozil Ziyodullo o'g'li *magistr*
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Qisqacha mazmuni: Maqolada dexqonchilika oid auditoriya va mustaqil ta'lim mavzularini o'zlashtirishida talabalarga ekin rivojlanishida tabiiy omillar, yog'in quyosh, suv, tuproq va havo tasirining o'zaro bog'liqligi va ahamiyati bilishining fanni o'zlashtirishdagi beqiyos o'rmi xaqida fikr yuritilgan.

Kalit so'zlar: Quyosh, suv, xavo, yer, ekin agrotexnika, fotosintez, vegetatsiya, ishlov berish, ta'lim texnologiya

Abstract: In the article, the audience and self-study topics related to agriculture are thought about the incomparable role of knowing the interdependence and importance of natural quality, rainfall, sun, water, soil and air influence in the production of crops for students in mastering science. held.

Keywords: Sun, water, air, earth, crop agrotechnics, photosynthesis, vegetation, processing, educational technology

AGROKIMYO VA AGROTUPROQSHUNOSLIK YO'NALISHI TALABALARINI SIFATLI O'QITISHDA ZAMONAVIY PEDAGOGIK TEXNOLOGIYALARNING O'RNI

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Qisqacha mazmuni: Ushbu maqolada Agrokimyo va agrotuproqshunoslik ta'lim yo'nalishi fanlaridan ayrim mavzularni o'qitishda zamonaviy pedagogik texnologiyalardan foydalanish yuzasidan fikr bildirilgan. Pedagogik texnologiyalarni tanlashda fan va mavzuning o'ziga xosligi hisobga olinishi taklif etilgan.

Kalit so'zlar: tuproq, bonitirovka, o'g'itlar, solish muddatlari, azotli, fosforli va kaliyli o'g'itlar, tuproq morfologiyasi pedagogik texnologiya.

THE ROLE OF MODERN PEDAGOGICAL TECHNOLOGIES IN QUALITY EDUCATION OF STUDENTS OF AGROCHEMISTRY AND AGRICULTURAL SCIENCE

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Obloqulov Muzaffar

Abstract: This article presents an opinion on the use of modern pedagogical technologies in the teaching of some topics from the field of agrochemistry and agro-soil science. It is proposed to take into account the specificity of the subject and the subject when choosing pedagogical technologies.

Keywords: soil, monitoring, fertilizers, application periods, nitrogen, phosphorus and potassium fertilizers, soil morphology, pedagogical technology.

TEXNIKA OLIY O'QUV YURLARI TALABALARINI O'QITISHNING FAOL VA INTERFAOL METODLARI

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Sattarov Karim Karshiyevich *t.f.d., dotsent*
Samatov Xamid Maxmudovich *o'qituvchi*
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Qisqacha mazmuni: Taqdim etilayotgan maqoladada texnika oliy o'quv yurtlari talabalarida kasbiy mahoratga oid qobiliyatlarni shakllantirishga yo'naltirilgan pedagogik, psixologik va metodik masalalar o'rta tashlangan. Tavsiya etilayotgan interfaol o'qitish metodlari ta'lim oluvchilar tomonidan o'quv materialini o'zlashtirish darajasiga muvofiq ravishda taqdim etilgan

Kalit so'zlar: ta'lim, erkin fikirluvchi, Innovatsiya, psixologik-pedagogik,

trening, savol, aqliy xujm, interfaol metod

Abstract: In the presented article, pedagogical, psychological and methodical issues aimed at the formation of professional skills among students of technical higher educational institutions are highlighted. The recommended interactive teaching methods are presented by the students in accordance with the level of mastery of the educational material.

Keywords: education, free thinker, Innovation, psychological-pedagogical, training, question, brainstorming, interactive method

TA'LIMNI RAQAMLASHTIRISH VA KENG QO'LLASH - BILIM EGALLASHDAGI YANGI IMKONIYAT

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Qisqacha mazmuni: Maqolada ta'limni raqamlashtirish, elektron ta'lim resurslaridan ta'lim jarayonida keng qo'llash ta'lim sifati va samaradorligini oshirishdagi ijobiy roli ochib berilgan. Ayniqsa talabalar tamonidan mustaqil ishi bajarishda elektron ta'lim resurslaridan foydalanishda ta'lim portalining o'rni benihoya kattaligi ta'kidlangan.

Kalit so'zlar: Ta'limni raqamlashtirish, elektron ta'lim, elektron ta'lim resurslari, AKT ni qo'llash, talaba mustaqil ishi, ta'lim portali.

DEGRADATSIYAGA UCHRAGAN YERLAR ULARNING EKOLOGIK MUAMMOLARI KELIB CHIQISH SABABLARI VA OQIBATLARI

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Abstract: Soil degradation is a set of processes that lead to a change in the function of the soil, a deterioration of the quantitative and qualitative indicators of its properties, and a decrease in productivity, that is, under the influence of natural and anthropogenic factors, the elements are stable in the ecological system. deterioration of its properties, decrease in economic value and decrease in efficiency. "Soil degradation is one of the important environmental problems of the 21st century. Its importance, actual and potential effects on biomass productivity, water quality, air quality, and greenhouse gas emissions to the atmosphere are highlighted. It is related to soil and water source pollution, soil degradation. Soil degradation directly and indirectly affects climate change.

ACHCHIQ BODOM O'SIMLIGI QURUQ MEVASI TARKIBIDAN AFLATOKSINLAR MIQDORINI YUQORI SAMARALI SUYUQLIK XROMATOGRAFIYASI METODI YORDAMIDA TAHLIL QILISH.

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Qisqacha mazmuni: Ushbu ishning maqsadi aflatoksinlarni bodom o‘simligi mag‘zidan ajratib olishni optimallashtirish, shuningdek aflatoksinlarni oson va samarali ekstraksiya qilib ajratish, hamda Osiyo mintaqasi hududidagi Afg‘aniston, O‘zbekiston mamlakatlarda yetishtirilgan bodom daraxti mag‘zi tarkibidagi aflatoksinlari miqdori tahlil qilindi.

Olingan natijalarga asosan, O‘rta Osiyo miqtaqasi mamlakatlarida yetishtirilgan bodom mevasi tarkibida aflatoksinlar miqdori keltirilgan me‘yoriy hujjatlarga nisbatan kam ekanligi aniqlandi. Aflatoksin B1, B2, G1 va G2 standart namunalari asosida 3,65 minutda aniqlandi. O‘zbekiston hududida yetishtirilgan bodom mevasi tarkibidagi aflatoksin G2 miqdori, Afg‘anistonda yetishtirilgan bodom mevasiga nisbatan esa to‘rt barobar yuqori ekanligi aniqlandi.

Kalit so‘zlar: *mikotoksin, deoksinivalenol, achchiq bodom, HPLC, UV-detektor*

TALABALAR BILIMINI BAHOLASHDA NOSTANDART TESTLARDAN INNOVATSION FOYDALANISH USULLARI

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Qisqacha mazmuni: Ushbu maqolada Guliston davlat universiteti talabalari kasbi faoliyati va ijodiy qobiliyatlarini hisobga olgan holda ularning bilimlarini nazorat qilishda nostandart testlardan foydalanish uchun tavsiyalar keltirilgan.

Kalit so‘zlar: Ta’lim-tarbiya, reyting, o‘quv reja, test, reproduktiv, integrativ testlar, adaptiv testlar, mezonli-mo‘ljil, ta’lim muassasasi, modul-kredit, vitamin.

THE ROLE OF INTERACTIVE METHODS IN THE DEVELOPMENT OF CRITICAL THINKING

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Abstract: The article provides recommendations for students to use critical thinking, reasoning, reasoning, reading, writing, speaking, and listening-like processes, as well as interactive methods.

Keywords: thinking, analytical, communication, reading, writing, speaking, pedagogue, methods, interactive methods, criterion-referenced independent work, knowledge, talent, skill.

TA'LIM JARAYONIDA INTER FAOL USLUBLAR VA AXBOROT TEXNOLOGIYALARIDAN FOYDALANISH

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Qisqacha mazmuni: Maqolada ta'lim sifatini oshirish, o'qitishning zamonaviy usullaridan foydalanish bo'yicha nazariy bilimlar o'rganiladi. Bu nazariyalar orqali biz talabalarning bilim salohiyatini oshirishimiz mumkin. Talabalarning darsga munosabatini oshirish maqsadida zamonaviy inter faol uslublardan va axborot texnologiyalaridan foydalaniladi.

Kalit so'zlar: ta'lim, sifat ko'rsatkichlari, zamonaviy o'qitish usullari, bilim, salohiyat, zamonaviy o'quv o'yinlari.

MODULLI O'QITISH TEXNOLOGIYASI

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Qisqacha mazmuni: Ushbu maqolada kimyo darslarida modulli ta'lim texnologiyalaridan foydalanishning samarali tomonlari misollar yordamida ko'rsatib o'tilgan.

Kalit so'zlar: modulli ta'lim texnologiyalari, interfaol metodlar, kichik guruhlarda ishlash, kichik konsultantlar usuli, pedagogik texnologiya, musobaqa usuli.

Abstract: This article shows the effective aspects of using modular educational technologies in chemistry classes with the help of examples.

Keywords: modular educational technologies, interactive methods, work in small groups, method of small consultants, pedagogical technology, competition method

METHODS OF USING MODERN PEDAGOGICAL TECHNOLOGIES IN STUDENT AND YOUTH EDUCATION

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Abstract: In the article, it is necessary to adequately prepare and educate our youth who will create our future in the rapidly developing era. with the concept of modernity, integrally connecting the characteristics of humanity, changing teaching methods, educational goals, The new generation, built on the basis of the approach based on pedagogical technologies, is experiencing a difficult period related to the development of the state education standard. the goal of productive use of innovations and ped-techniques in education is envisaged.

Keywords: Interactive methods, pedagogy, cooperative courses, innovative

technology, Integration, science Integration, stimulation.

INTENSIVTEKNOLOGIYALARGA ASOSLANIB ETISHTIRILAYOTGAN TOK TUPLARIGA SHAKL BERISH VA KURTAKLAR YUKLAMASINI ANIQLASH MAVZUSINI CASE STUDY METODI YORDAMIDA TASHKIL ETISHNING MOHIYATI.

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Abduraimov davron Ulug'bek o'g'li *o'qituvchi*
Qaxarova Zamira Saydulla qizi *magistir*
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Qisqacha mazmuni: Maqolada Intensiv texnologiyalarga asoslanib etishtirilayotgan tok tuplariga shakl berish va kurtaklar yuklamasini aniqlash mavzusini yoritishda **Case Study** metodidan foydalanish jarayonlari va bu metod orqali talabalarda bilim, ko'nikma va amaliy jihatdan malakalarining shakllanishi keltirilgan. Shuningdek talaba mavzu yuzasidan zaruriy sifatlarni yani tanqidiy fikrlashni, muammoga ob'ektiv yondashishga, zarur vaqtda keskin qaror qabul qilishni, ma'suliyatli bo'lishni, nazariya va amaliyot o'rtasida uzviy bog'liqlikni shakllantiradi.

Kalit so'zlar: Case Study, Intensiv, metod, ta'lim tizimi, shakl berish, kurtak yuklamasi, kesish uzunligi, kesish xillari, o'rinbosar novda, katta kosachasimon, ko'p zangli elpig'ichsimon, hosilli zveno, o'sish kuchi, xosildorlik, oziqlanish maydoni, agrotexnik tadbir.

TOK TUPIGA SHAKL BERISH, KESISH VA XOMTOK QILISHGA DOIR MAVZULARNI O'QITISHNING INNOVATSION YONDASHUVI.

Xo'jaqulov Fayzi Mardanovich *tayanch doktorant*
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Qisqacha mazmuni: Ushbu maqolada tok tupini parvarishlashda rivojlanishni turli bosqichlarida amalga oshiriladigan tadbirlarni, uzum bog'larini aynan mos davrida bajariladigan ishlar bilan bog'lagan holda o'qitish imkoniyatlari muhokama qilingan. Bu imkoniyatlarning dolzarbligi innovatsion holda o'rganilayotgan mavzular, ular doirasida amalga oshirilayotgan vazifalar innovatsion yondoshuv hisobiga kengaytiriladi. Innovatsion yondashuv asosida talaba tok ko'chatlarini rivojlanishini har bir bosqichini, tashqi muhitga, agrotexnik tadbirlarga va zararkunanda xasharotlarga nisbatan bo'lgan munosabatini amaliy kuzatishi mumkinligi tushuntiriladi.

Kalit so'zlar: agrotexnik tadbir, tok kesish, shakl berish, yelpig'ichsimon shakl berish, kurtaklar yuklamasi, novda, xomtok, g'o'ra xomtok, sho'ra xomtok.

XOVOS TUMANI PAXTAKOR MASSIVI TUPROQLARINING SIFAT BAXOSI VA UNI OO'QITISH USLUBIYOTI

Xudayberdiyeva Zarina Asqar qizi

Guliston davlat universiteti magistranti

Qisqacha mazmuni: Maqolada Sirdaryo viloyati Xovos tumani Paxtakor massivining gipslashgan va sho'rlangan tuproqlari haqida ma'lumot berildi. Tuproqning mexanik tarkibi va agrokimyoviy xossalari karbanat va gips miqdori o'rganildi. Tuproqning sifat baxosiga ta'sir etuvchi omillar o'rganildi.

Kalit so'zlar: sho'rlanish, sifat baho, gumus, azot, gips, sizot suvi sathi

Abstract: The article provided information about plastered and saline soil of Pakhtakor massif Khavos district Syrdarya region. The mechanical composition and agrochemical properties of the soil, the amount of carbanate and gypsum were studied. Factors affecting the quality of the soil were studied.

Keywords: salinity, quality, humus, nitrogen, gypsum, seepage waterlevel

«MASHINA DETALLARI» FANINING DOLZARBLIGI VA FANNI O'QITISHDA TA'LIM TEXNOLOGIYASI HAMDA INTEGRATSIYANING AHAMIYATI.

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Qisqacha mazmuni: Ushbu maqolada «Mashina detallari» fanini mukammal o'rganishning afzalligi yana shu bilan izohlanadiki, to'g'ri qaror qabul qilishda insonlar doimo kerakli va ishonchli nazariy bilimga va ma'lumotga ega bo'lishi zarurligi yoritilgan. Fanni o'rganishda ilg'or pedagogik texnologiyalar dars berishning interfaol usullari nazarda tutilgan. Mashina detallari fanida integratsiyalangan dars ko'plab muammolarni hal qilish imkoniyatini berishini aqliy operatsiyalar taqqoslanishligi, rad etishlikni isbotlay olishlikni kognitiv qiziqishni fikrlashning moslashuvchanligini, fanlarning bir-birlari bilan bog'liqligini ko'rsatib bergan.

Kalit so'zlar: pedagogik texnologiyalar, interfaol, integratsiyalangan dars, integratsiya darajalari, integratsiya, usullari va texnikasi

Abstract: In this article, the advantage of thorough study of the science of "Machine Details" is again explained by the fact that people need to always have the necessary and reliable theoretical knowledge and information to make the right decision. Advanced pedagogical technologies in the study of science provide for interactive methods of teaching. An integrated lesson in the science of machine detailing provides the opportunity to solve many problems, the comparability of mental operations, the ability to prove refutation, the cogent interest, the flexibility of thinking, and the interconnectedness of the sciences.

Keywords: pedagogical technologies, interactive, integrated lesson, levels of

integration, integration, methods and techniques.

TALABALARGA TOKNI O‘STIRISH, NAVDALAR RIVOJLANISHI VA O‘SISHIGA BOG‘LIQLIGI MAVZUSIDAGI AMALIY MASHG‘ULOTNI O‘QITISHDA INNOVATSION YONDASHUV.

Nozima Xushyorjon qizi ZAFAROVA

Ozoda Zokir qizi XOLMATOVA

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Qisqacha mazmuni: Maqolada malakali kadrlarni yetishtirish qishloq xo‘jaligida, bog‘dorchilikda va uzumchilikdagi foydalari o‘rganildi. Malakali kadrlarni yetishtirish orqali hosilning sifatini oshirish, hosildorlikni maksimal darajaga yetkazish mumkin bo‘ladi. So‘ngi yillarda uzumchilikni rivojlantirishga katta e‘tibor qaratilgan. Ayniqsa Sirdaryo viloyati sharoitida uzumchilikni rivojlantirishga katta e‘tibor berilmoqda. Sirdaryo viloyati sharoitida yetishtirish uchun Rizamat, Kishmish, Sug‘diyona, Xusayni, Kelinbarmoq,, Xindogi navlari tanlab olindi. Uzumning ushbu ho‘raki navlarini hosildorligi o‘rganilgan.

Kalit so‘zlar: ta‘lim, texnologiya, innovatsiya, malakali kadr, uzum, nav, tok, voish, simbag‘az, urug‘, hosildorlik, meva, po‘st, et, sharbat, tup.

MIKROORGANIZMLARNING TUPROQDAGI AHAMIYATI

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Qisqacha mazmuni: Ushbu maqolada mikroorganizmlarning tuproqdagi ahamiyati muhokama qilinadi. Unda tuproq mikroorganizmlarini o‘rganish usullari, ularning funksiyalari bo‘yicha tadqiqotlar natijalari va ularning qishloq xo‘jaligi, atrof-muhit va inson salomatligidagi ahamiyati o‘rganiladi. Muhokama kelajakdagi tadqiqotlar uchun bilim va potensialning hozirgi holatini o‘rganib chiqadi, barqaror amaliyot va tuproq mikrobiotasini himoya qilish zarurligini ta‘kidlaydi.

Kalit so‘zlar: Mikroorganizmlar, tuproq, qishloq xo‘jaligi, atrof-muhit, inson salomatligi, usullari, tadqiqotlari, funksiyalari, barqaror amaliyoti.

USING AND MAPPING INTERNET RESOURCES FOR CLIMATE RESEARCH

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Abstract: This article provides detailed information about working with systematic and accurate data sites with long periodicity, where raster, vector and text

data can be obtained for climate research and description of the climate of an area, for mapping. Also, the level of information of the listed sites, recommendations for mapping based on the information obtained from them, and some examples are given.

Keywords. Climatic research, special encrypted formats, raster, vector, text data, mapping, cartogram, hydrometeorological observation points.

IQLIMIY TADQIQOTLAR UCHUN INTERNET MANBALARI BILAN ISHLASH VA ULARNI KARTALASHTIRISH

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Qisqacha mazmuni: Ushbu maqolada iqlimiy tadqiqotlar olib borish va biror hududning iqlimiy tavsifini bayon etish, kartalashtirish uchun rastrli, vektorli va matnli ma'lumotlarni olish mumkin bo'lgan uzoq davriylikka ega tizimli hamda aniq ma'lumotli saytlar bilan ishlash haqida atroflicha ma'lumotlar berilgan. Shuningdek, keltirilgan saytlarning ma'lumotlilik darajasi, ulardan olingan ma'lumotlar asosida kartalashtirish bo'yicha tavsiyalar berilgan va ba'zi namunalari keltirilgan.

Kalit soz'lar. Iqlimiy tadqiqotlar, maxsus shifrlı formatlar, rastr, vektor, matnli ma'lumotlar, kartalashtirish, kartogramma, gidrometeorologik kuzatish nuqtalari.

KIMYO FANLARIDAN LABORATORIYA MASHG'ULOTLARINI TASHKIL

QILISHDA PEDAGOGIK TEXNOLOGIYALARDAN FOYDALANISH

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Guliston davlat Universiteti professori

Qisqacha mazmuni: Fanlarni zamonaviy o'qitishda ta'lim jarayonini differentsiatsiyalab, vaqtdan unumli foydalanib, talabaga oldindan savollar to'plamini berish va javoblarni tushunarli tartibda tayyorlashi uchun pedagogik texnologiyalardan foydalanishni o'rgatish lozim. Bu mavzu yangi avlod o'quv qo'llanmalari tayyorlash dasturiga hamohangdir.

Kalit soz'lar: texnologiya, pedagogik texnologiya, printsiplik, yaxlitlik, oldindan rejalashtirish, jadval ko'rinishidagi daftar, organayzer, Vena diagrammasi, klaster, BBB jadvali.

TORQOPCHIG'AY BOTANIK-GEOGRAFIK RAYONI FLORASINING AREALOGIK TAHLILI

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Qisqacha mazmuni: Mazkur maqolada Torqopchig'ay botanik–geografik rayoni florasida tarqalgan o'simliklarni arealogik tahlili amalga oshirilgan. Tahlil natijasida florada Qadimiy o'rtaerdengizi areal tipi va sinfi yetakchilik qilishi aniqlandi. Bu narsa Tog'lio'rtaosiyo provinsiyasi uchun xos xususiyat xisoblanadi.

Kalit so'zlar: Torqopchig'ay, arealogik, areal tipi, areal sinfi, tur, turkum, oila, geografik areal, ekologik areal.

INSON HAYOTIDA EKOLOGIK TOZA QISHLOQ XO'JALIGI VA OZIQ-OVQAT MAHSULOTLARINING AHAMIYATI.

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Qisqacha mazmuni: Atmosfera, gidrosfera va litosfera inson chiqindilari bilan ifloslanayotgan va insoniyatning barcha sa'yaxarakatlariga qaramay, ekologik vaziyat yomonlashayotgan zamonaviy dunyoda odamlar o'z sog'lig'i haqida ko'proq o'ylashni boshladilar.

Kalit so'zlar: hayot sifati, ekologik toza mahsulot, etiketka, organik.

Abstract: In the modern world, when the atmosphere, hydrosphere and lithosphere are polluted with human waste products and the ecological situation, despite all the efforts of mankind, continues to deteriorate, people more and more often began to think about their health.

Keywords: quality of life, environmentally friendly product, labeling, organic

HIMOYALANGAN MAYDONLARDA SABZAVOT EKINLARINI ETISHTIISHNING INNOVATSION TEXNOLOGIYALAR

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Qisqacha mazmuni: Ushbu maqolada gidroponik issiqxonalarda har xil turdagi substratlarning (mineral jun, hindiston yong'og'i, torf va boshqalar) pomidorning o'sishi, rivojlanishi va hosildorligiga ta'siri natijalari keltirilgan.

Канум сўзлар: Himoyalangan tuproq, gidroponika, pomidor, substratlar, issiqxonalar, sabzavot etishtirish, o'simlik, hosildorlik, agregoponika, aeroponika, kimoponika, ionitoponika, mikroiklim, perlit, kokos qipig'i

Abstract: This article presents the results of the influence of various types of substrates (mineral wool, coconut, peat, etc.) on the growth, development and yield of tomato in hydroponic greenhouses. .

Kew words: Protected ground, hydroponics, tomato, substrates, greenhouses, vegetable growing, plants, productivity, aggregotoponics, aeroponics, chemoponics, nonitoponics, microclimate, perlite, coconut flakes.

TUPROQLARINING UMUMIY FIZIKAVIY XOSSALARI MONITORING TA'LIM JARAYONIDAGI MUAMMOLARI

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Qisqacha mazmuni: Maqolada Sirdaryo viloyatida keng tarqalgan sug'oriladigan bo'z-o'tloqi va o'tloqi-allyuvial tuproqlarning 2013, 2014 2017 yillarda minitoring nuqtalarda o'rganilgan umumiy fizikaviy xossalari to'g'risidagi muammolar bayon qilingan. Maqolada tuproqlarning solishtirma, hajm massasii va umumiy g'ovakligini tuproq tiplari o'rtasida farqlanishi ko'rsatilgan.

Kalit so'zlar: hajm va silishtirma massa, sug'oriladigan bo'z-o'tloqi, o'tloqi tuproq,, g'ovaklik, monitoring, umumiy fizikaviy xossalari.

Abstract: The article outlines the problems of the monitoring points studied in 2013, 2014, 2017, general physical properties of widespread irrigated sierozem-meadow and alluvial-meadow soils of the Sirdarya region. The article shows the difference in specific and volumetric mass and total porosity between soil types.

Keywords: volumetric and specific gravity, irrigated sierozem-meadow, meadow soils, porosity, general physical properties.

AGRONOMIYA TA'LIM YO'NALISHI TALABALARINI O'QITISHDA MAVSUMIY TADBIRLAR XUSUSIDA MALAKALANTIRISH ASOSIY MEZON

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Sattarov Eldor Azamqul o'g'li *magistr*

Xudayarova Muhayyo Egamnazarovna *magistr*

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Qisqacha mazmuni: Maqolada mevali bog'larda mavsumiy amalga oshirilishi kerak bo'lgan eng muhim agrotexnik tadbirlar muddati bajarilish tartibi va uning ahamiyati xususida mulohaza yuritilgan. Agrotexnik tadbirlar bajarilishi xalq bog'dorchiligida kuzatuv va sinovlar asosida ortirilgan merosga va olib borilayotgan ilmiy tadqiqot ishlari xulosalariga asoslanib yoritilgan. Mevali bog'lardan kuz va qish mavsumida amalga oshirilishi muhim bo'lgan agrotexnik tadbirlar ketma-ketligi, amalga oshirilish texnologiyalari, hamda ahamiyati xususida atroflicha ilmiy-amaliy ma'lumotlar berilgan. Kuzgi-qishgi agrotexnik tadbirlardan bog'larda erlarni sug'orish masalasi va uning zaruriyati alohida yoritilgan. Ish yuzasidan muhim xulosa takliflar bayon etilgan.

Kalit so'zlar: Kuzgi, qishki o'g'itlash, sug'orish, agrotexnik, tuproq strukturasi, unumdorlik, shudgorlash, tinim davri, bog'dorchilik, uzumchilik.

Abstract: The article discusses the importance and timing of prevention of the most important seasonal agronomic measures in orchards. Implementation of agronomic measures is based on the valuable heritage of folk horticulture ancestors and the results of scientific research work. It gives the necessary recommendations on the sequence and technology of the important agro-technical autumn and winter measures. In the materials of the article a separate conclusion about the necessity and importance of autumn-winter irrigation of orchards and vineyards. Also, valuable practical and theoretical conclusions and proposals on seasonal measures of orchards and vineyards are given.

Keywords: Autumn, winter, fruit, fertilizing, irrigation, agro technical, soil structure, fertility, lust, rest period, horticulture, viticulture.

GOSSIPOL SIRKA KISLOTASI TADQIQOTI

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Qisqacha mazmuni: Ushbu maqolada g'o'za qaysi oilaga mansubligi biologik xususiyatlari va texnik gossipol (TG) dan gossipol sirka kislotasini (GSK) ajratib olish haqida ma'lumotlar keltirilgan.

Kalit so'zlar: texnik gossipol (TG), gossipol sirka kislotasi (GSK), gulxayridoshlar, bakteritsid, antiseptik, antioksidant.

O'QUV JARAYONINI TASHKIL ETISHDA AXBOROT TEKNOLOGIYALARINING AHAMIYATI

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Abduraxmanova Ugilay Koxxorovna b.f.d., prof.

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Qisqacha mazmuni: Mazkur maqolada ta'lim tizimida amalga oshirilayotgan yangilanishlar, fan va ta'lim integratsiyasi, ta'lim mazmuni va samaradorligini oshirishda raqamli ta'lim va uning boshqaruvi hamda nazoratini yo'lga qo'yishning ahamiyati haqida so'z yuritiladi. Shuningdek, ta'limni raqamlashtirishning afzalliklari va muammolari qayd etiladi.

Kalit so'zlar: o'quv jarayonini tashkil etishning kredit texnologiyasi, axborot texnologiyalari, kadrlar tayyorlash, raqamlashtirishning ahamiyati, tahsil oluvchilar bilimini baholash uslubiyoti, baholash mezonlari

ПЕДАГОГИЧЕСКИЙ ПОДХОД К ПРЕПОДАВАНИЮ ХИМИИ

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Аннотация: В данной статье рассматривается использование терминов и понятий как важных компонентов учебного материала в процессе обучения химии. Также представлен ряд конкретных заданий и упражнений,

способствующих наиболее эффективному усвоению понятийного-терминологического аппарата на уроке химии.

Ключевые слова: обучение химии, химические термины, химические понятия, формирование химических понятий и терминов, уроки химии, терминология.

TALABA MUSTAQIL ISHI - TA'LIM JARAYONINI TARKIBIY QISMI SIFATIDA

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Qisqacha mazmuni: Maqolada mustaqil ta'limning jamiyat uchun kerakli etuk va zukko bilan ta'minlash zarurligi mutaxassislar tayyorlashdagi ijobiy roli ochib berilgan. Talaba mustaqil ishining turlari, uni amalga oshirish yo'llari, uni bajarishning metodik ta'minoti hamda tegishli elektron ta'lim resurslari ta'minlash zarurligi ochib berilgan

Kalit so'zlar: Mustaqil ta'lim, talaba mustaqil ishi, elektron ta'lim resurslari, ta'lim portali, mustaqil ish turlari, tizimli yondashish

BUG'DOY O'SIMLIGIDA SARIQ ZANG KASALLIGINI TARQALISHI VA RIVOJLANISHI

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Kim Dimitriy Valentinovich, GulDU tayanch doktorant
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Qisqacha mazmuni: Bug'doyning sariq zang kasalliklari tufayli ko'p hosil yo'qotilishi barcha davlatlar g'allachiligida kuzatilgan, xususan bu holat Sirdaryo viloyatining bir nechta tumanlari bug'doyzorlarida olib borilgan kuzatishlarda ham o'z isbotini topdi. Aerogen kasalliklardan sariq zang kasalligi ustida olib borilgan tadqiqotlarda ularni mavsumda qaysi vaqtda paydo bo'lishi, tarqalishi, rivojlanishi va hosilga zarari o'rganilgan. Mavsum seryog'in kelishi bug'doy kasalliklarini, ayniqsa, sariq zang kasalligini kuchli tarqalishi va rivojlanishiga sabab bo'ldi va ba'zi fungitsidlar bilan kimyoviy ishlov berilmagan maydonlarda don hosiliga katta zarar etkazishi kuzatildi.

Kalit so'zlar: Bug'doy, sariq zang, kasallik, zamburug', spora, fungitsid.

KIMYO FANI O'QITUVCHISINING KOMPETENTLIGINI TAKOMILLASHTIRISHDA MODULLI TA'LIM TEXNOLOGIYASIDAN FOYDALANISH

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Abstract: This article shows the effective aspects of using innovative technologies in chemistry classes for students of agriculture, biotechnology, food

technology and agronomy.

Keywords: interactive methods, didactic games, electronic tools, information technology, pedagogical technology, animation, multimedia tools.

QISHLOQ XO'JALIGINI RIVOJLANTIRISHDA QISHLOQ XO'JALIGI FANLARINING TUTGAN O'RNI

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Abstract: Ushbu maqolada iqtisodiyotning asosiy tarmog'i hisoblangan qishloq xo'jaligining rivojlantirishda va tashkil etishda qishloq xo'jaligi fanlarining o'rniga alohida e'tibor qaratilgan. Bugungi kunda qishloq xo'jaligi fanlarini o'qitishda ularning amaliy ahamiyatiga e'tibor qaratilmoqda. Bu hol esa qaysidir ma'noda qishloq xo'jaligi fanlarini o'qitishda, boshqa fanlar bilan aloqasini va innovatsion o'qitish texnologiyasini kuchaytirishni talab etadi.

Kalit so'zlar: agrar soha, qishloq xo'jaligi, iqtisodiyot, qishloq xo'jaligi fanlari, innovatsion o'qitish, innovatsion tadqiqotlar, fermer, yerlar, qishloq xo'jaligi klasterlari, kooperatsiyalar.

Abstract: In this article, special attention is paid to the role of agricultural sciences in the development and organization of agriculture, which is considered the main branch of the economy. Today, attention is paid to their practical importance in the teaching of agricultural sciences. In some sense, this situation requires strengthening the connection with other subjects and innovative teaching technology in the teaching of agricultural sciences.

Keywords: agrarian sector, agriculture, economy, agricultural sciences, innovative teaching, innovative research, farmer, lands, agricultural clusters, cooperatives

SCIENTIFIC AND THEORETICAL FUNDAMENTALS OF ECOLOGICAL MANAGEMENT (on the example of the Republic of Uzbekistan)

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Abstract: The article reveals the scientific and theoretical basis of the rapidly changing system of ecological management in connection with the transition of many countries to market relations on the example of the Republic of Uzbekistan.

Keywords: management, administration, ecology, requirements, system management, efficiency, Uzbekistan, cadastre, control, expertise, audit.

ИННОВАЦИОННЫЕ ПОДХОДЫ К ПРЕПОДАВАНИИ ЕСТЕСТВЕННЫХ НАУК.

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Аннотация: В статье рассматривается использование передовых методов обучения в высшее образование, а также применение цифровых технологий для достижения высоких результатов в учебном процессе.

Ключевые слова: образование, эффективность, инновации, цифровые технологии, образование, педагогическое мастерство, мастерство, компетентность, интерактивные методы, дидактическая задача, технологическое образование.

О РЕПРОДУКЦИИ НЕКОТОРЫХ КОРМОВЫХ ЭСПАРЦЕТОВ (FABACEAE) В АРИДНОЙ ЗОНЕ УЗБЕКИСТАНА

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Abstract: Many species of the genus *Onobrychis* Mill. (Fabaceae), are the main forage plants of pastures in semi-desert zones of Uzbekistan and have a high content of protein compounds and essential amino acids. Some species of the genus and their varieties are the biological basis for the development of zonal technologies for the production of feed and the biologization of agriculture. The study of the features of seed reproduction of valuable fodder esparcets in arid conditions is of great practical interest for the conservation of biological diversity, breeding and seed production, selection and zoning of phytomeliorants. The article is devoted to the peculiarities of reproduction of 4 forage species of the genus *Onobrychis*. In the conditions of Uzbekistan, annual species *O. micrantha* and *O. pulchella* proceed to reproduction on the 28-30 day of vegetation, and perennials *O. chorassanica* and *O. seravchanica* in the second year of vegetation. Flowering and fruiting within the shoot occurs acropetally.

Keywords: *Onobrychis*, Fabaceae, fodder plants, reproduction, flowering, fruiting, seed productivity, adaptation.

SHIRINMIYA O'SIMLIGINING TUGUNAK BAKTERIYALARINING FITOPATOGEN ZAMBURUG'LARGA QARSHI ANTAGONISTIK MUNOSABATI

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Qisqacha mazmuni: Bugungi kunda qishloq xo'jaligida iqtisodiy samaradorlikka erishish, o'simliklar xosildorligini oshirish, fitopatogen kasalliklarni kamaytirish dolzarb vazifalardan biridir. Ushbu tadqiqot fitopatogen zamburug' kasalliklariga qarshi samarali biologik kurashda foydalaniladigan *Baillus* turkumiga mansub eng faol antagonistlarni tanlash ustida olib borildi. Tadqiqotlar davomida *Baillus subtilus* turkumi shtammlarining fitopatogen zamburug'larga qarshi antagonistik ta'sirini o'rganish shuni ko'rsatdiki, shirinmiya ildizida ajratib olingan ayrim bakteriya shtammlari faol antagonist ekanligi aniqlandi. Antagonistlar ichida *Baillus subtilus* eng faol bo'lib 85% gacha fitopatogen zamburug'lar shtammiga qarshi ingibirlash zonasini xosil qildi.

Kalit so'zlar: *Bacillus licheniformis*, *Priestia megaterium*, *Bacillus holotolerans*, *Baillus subtilus*, zamburug', antagonist, fitopatogen, fungitsit.

Abstract: Today, achieving economic efficiency in agriculture, increasing plant productivity, and reducing phytopathogenic diseases are one of the urgent tasks. This study was conducted on the selection of the most active antagonists of the genus *Baillus*, which are used in effective biological control of phytopathogenic fungal diseases. In the course of research, the study of the antagonistic effect of *Baillus subtilus* strains against phytopathogenic fungi showed that some bacterial strains isolated from licorice roots were found to be active antagonists. Among the antagonists, *Baillus subtilus* was the most active and produced an inhibition zone of up to 85% against phytopathogenic fungal strains.

Keywords: *Bacillus licheniformis*, *Priestia megaterium*, *Bacillus holotolerans*, *Baillus subtilus*, fungus, antagonist, phytopathogen, fungicide.

WATER-SALT REGIME OF GRAY-SOIL-MEADOW SOILS OF THE SOUTHERN HUNGER STEPPE CANAL ZONE, UZBEKISTAN

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Abstract: Observations and studies on the water-salt regime of anthropogenically created sierozem-meadow soils of the Hunger Steppe zone were carried out by us on two observation sites 0.2 hectares in size each, located in the middle part of the interdrainage on the territory of the Timurmaliq Water Users Association of the Sardaba district of the Syrdarya region. It was revealed that the water-salt regime of the studied soils mainly depends on the irrigation regime. To prevent secondary soil salinization and create favorable conditions for crops, it is necessary to increase the efficiency of existing drainage networks by 65-70 running meters per hectare and maintain soil moisture within 75-80% of the lowest soil moisture capacity, as well as raise the overall level of agricultural technology.

Keywords: Salinization, salt regime, water regime, mineralization, reclamation, groundwater, groundwater level decline rate, leaching irrigation regime, humidity regime, irrigation, irrigation network, hydrotechnical measures. agrotechnical activities.

ISSUES OF ENSURING THE QUALITY OF EDUCATION BASED ON THE DEVELOPMENT OF THE PROFESSIONAL COMPETENCE OF TEACHERS

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Abstract: In the 21st century, the main attention is paid to ensuring the quality and competitiveness of higher education through the development of professional competencies of employees and, first of all, teachers. This article discusses attempts to introduce a competency-based learning model in the training and development of personnel in the context of the Concepts of the Sustainable Development Goals (SDGs) of the United Nations and the European Higher Education Area of the European Union (EHEA. 2010). The article also presents views on the mechanisms of continuous development of professional skills based on the humanization of education, which is considered as one of the strategic directions of higher education.

Keywords: professional competence, competence, teachers, educational quality

BO'LAJAK O'QITUVCHILAR O'QUV-ILMIY FAOLIYATI MOTIVATSIYASINING PSIXOFIZIOLOGIK DETERMINANTLARI

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Qisqacha mazmuni: ushbu maqolada jahon ta'lim va ilmiy muassasalarida bo'lajak o'qituvchilarning ilmiy-innovatsion, kreativ tafakkurini o'rganish, ilmiy-ta'limiy faoliyatini tashkil eta olish kompetensiyalarini shakllanish mexanizmlarini o'ziga xos konsepsiyasini ishlab chiqish masalalarini o'rganish bo'yicha ilmiy tadqiqotlar xaqida fikrlar berilgan. O'qituvchilarning o'quv-ilmiy faoliyati motivatsiyasini kuchaytirish, psixofiziologik komponentlarini tahlil qilish, shaxs motivatsion sohasining fiziologik mexanizmlarini o'rganish, psixofiziologik determinantlarning ilmiy-innovatsion faoliyatga ta'sirini aniqlash, ilmiy faoliyatga ta'sir etuvchi psixofiziologik omillar va psixologik ta'sir usullarini istiqbolda ilmiy tadqiq etishga e'tibor qaratish zarurati dolzarb ahamiyatli ekanligi ta'kidlab o'tilgan.

Kalit so'zlar: motivatsiya, psixofiziologiya, determinantlar psixofiziologik determinant faoliyat motivatsiyasi, ilmiy-innovatsion faoliyat yo'nalganlik, ilmiy diagnostik kompetentlik.

BENEFITS OF SPORTS IN HIGHER EDUCATION

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Abstract: Nowadays, sport has taken a place in the life of society that has no analogies in history. His problems have become the subject of close study by physicians and educators, philosophers and historians, economists and sociologists. His influence is taken into account by politicians. The impact of sports on people's moods and lifestyle is increasing. In this article, we can discuss information about some benefits of doing sport and physical activities in education system.

Keywords: sports, education systems, physical activities, upsides of sports, students' lifestyle, mental health.

MALAKALI VOLEYBOLCHILARNING SAKROVCHANLIGINI OSHIRISH MASHG'ULOTLARIGA ZAMONAVIY YONDOSHUV

Assoc. Prof. Bairbekov Mamatqul Gaibnazarovich,

Guliston Davlat Universiteti,

Qisqacha mazmuni: Maqola yuqori malakali voleybolchilar mashg'ulotini tashkil etish metodikasiga bag'ishlangan. Musobaqa va mashg'ulot jarayonlarini batafsil tahlil qilish sportchilarni tayyorlash rejaları va dasturlarini ilmiy asoslash, mos keladigan tayyorgarlik vositalari va usullarini tanlash imkonini beradi. Maqolada voleybol murabbiylari uchun zamonaviy voleybolchilarni tayyorlashga oid kerakli ma'lumotlar keltirgan

Kalit so'zlar: yuklama komponentlari, maxsus yuklama, operatsion, joriy, bosqichli, optimal miqdoriy parametrlari, musobaqa va o'quv faoliyati, sport muassasalarida o'quv-tarbiya jarayonini, sport-texnik.

SAYYID QOSIMIYNING "MAJMA' UL-AXBOR" DOSTONI QIYOSIY TAHLILI

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Qisqacha mazmuni: Maqola Sayyid Qosimiyning "Majma' ul-axbor" (Xabarlar to'plami) asarining adabiyotshunoslik ilmida o'rganilishi hamda mazkur asarning kirish qismi, "basmala" qismi, hamd va na't qismlari Yusuf Xos Hojibning Qutadg'u bilik", Ahmad Yugnakiyning "Hibat ul-haqoyiq", Nizomiy Ganjaviyning "Maxzanul asror", Xusrav Dehlaviyning "Matla' ul-anvor" hamda Alisher Navoiy, Haydar Xorazmiy asarlari bilan qiyoslangan. Unda muallifning "Majma' ul-axbor" asarining kompozitsiyasi, syujeti va o'ziga xos xususiyatlari yoritilgan.

Kalit so'zlar: basmala, unvon, hamd, munojot, bahr, vazn, an'ana, xamsanavislik, na't va kitobning yozilish sababi, madhi, so'zboshi, asosiy qism, hikoyatlar va xotima.

Abstract. The article is a literary study of Sayyid Qasimi's work "Majma' ul-akhbar" (Collection of Messages) and the introduction, "basmala" part, praise and na't parts of this work, Yusuf Khos Hajib's "Khutadgu bilik", by Ahmad Yugnaki "Hibat ul-haqoiq", Nizami Ganjavi's "Makhzanul asror", Khusrav Dehlavi's "Matla' ul-anvor" and Alisher Navoi, Haydar Khorazmi's works are compared. It describes

the composition, plot and specific features of the author's work "Majma' ul-akhbar".

Keywords: basmala, title, praise, prayer, value, weight, tradition, khamsanavislik, na't and the reason for writing the book, hymn, preface, main part, stories and conclusion.

MAKTABGACHA TA'LIM TIZIMINI RIVOJLANTIRISHDA PEDAGOGIK INNOVATSION FAOLIYATNING AHAMIYATI

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Qisqacha mazmuni: Ushbu maqolada maktabgacha ta'lim yoshidagi bolalarning shaxs sifatida shakllanishida, ularning jismoniy, ruhiy, aqliy kamolotga yetishida, ijodiy rivojlanishida va boshqa kompetensiyalarining rivojlanishida tarbiyachi pedagog faoliyatining muhimligi hamda ularning pedagogik innovatsion faoliyatni samarali tashkil etishlari va olib borishlarining ahamiyati borasida so'z yuritiladi.

Kalit so'zlar: ta'lim-tarbiya, bilim, ko'nikma, pedagogik innovatsiya, innovatsiya, texnologiya, intellektual, axborot kommunikatsiya.

TEXNOLOGIYA DARSLARIDA O'QITUVCHINING NUTQ MADANIYATI

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Yusupova Dinora, *Guliston Davlat Universiteti talabasi*

Qisqacha mazmuni: Nutq madaniyati murakkab ko'p qirrali tushuncha bo'lib, uning mazmuni til va nutq, nutq va tafakkur, nutq va ong, nutq va voqelik o'rtasidagi munosabatni o'zida aks ettiradi. Mazkur maqolada ham o'qituvchi faoliyati davomida nutq madaniyati haqida so'z yuritiladi.

Kalit so'zlar: O'qituvchi, nutq madaniyati, taraqqiyot, pedagog, funksiyasi, kommunikativ, samara, nutq, ma'naviyat, malaka, ko'nikma, pedagogika, til.

Abstract: Speech culture is a complex multifaceted concept, its content reflects the relationship between language and speech, speech and thought, speech and consciousness, speech and reality. This article also talks about speech culture during the teacher's career.

Keywords: Teacher, speech culture, development, pedagogue, function, communicative, effectiveness, speech, spirituality, competence, skill, pedagogy, language.

SHARQ MUTAFAKKIRLARINING TA'LIMIY-AXLOQIY QARASH- LARI

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Qisqacha mazmuni: Mazkur maqolada Sharq mutafakkirlarining ta'lim-tarbiya, odob-axloq masalalaridagi qarashlari, islomda bolalar tarbiyasi to'g'risida so'z yuritilgan. Shuningdek, Sharq mutafakkirlarining ijodiy faoliyatidagi ta'lim-tarbiyaga oid yondashuvlar, g'oyalar, qarashlarni yosh avlodning ongiga singdirishda tarbiya usullari va vositalarini bilish, hayotda ulardan to'g'ri foydalanish pedagogik ta'lim jarayonida o'qituvchining pedagogik mahoratidagi muhim xususiyatlardan biri ekanligi ochib berilgan.

Kalit so'zlar: axloqiy qoida, tarbiya, odob, barkamol inson, insonparvarlik, ma'naviy fazilatlar, umuminsoniy qadriyatlar, milliy qadriyat, islom madaniyati.

Abstract: This article discusses the views of Eastern thinkers on issues of education and morals, child education in Islam. Also, knowledge of educational methods and means of inculcating the ideas, views, and ideas of Eastern thinkers in the creative work of the young generation, and their correct use in life is one of the important features of the teacher's pedagogical skills in the process of pedagogical education. revealed that.

Keywords: moral rule, education, manners, perfect person, humanitarianism, spiritual qualities, universal values, national value, Islamic culture.

BO'LAJAK BOSHLANG'ICH SINIF O'QITUVCHILARINI O'QUVCHILARNI INTELLEKTUAL RIVOJLANTIRISHGA METODIK TAYYORGARLIGINI TAKOMILLASHTIRISHNING MAZMUNI

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Abduxalilova Muqaddas

Guliston tumani 7-maktab boshlang'ich sinf o'qituvchisi

Qisqacha mazmuni: Mazkur maqolada Bo'lajak boshlang'ich sinf o'qituvchilarini o'quvchilarni intellektual rivojlantirishga metodik tayyorgarligini takomillashtirish metodikasining asosiy mazmuni boshlang'ich matematika fani orqali ochib berilgan. Aynan nima uchun matematika fani ob'ekt sifatida olindi degan savol tug'ilishi tabiiy bundan asosiy maqsad matematika fani boshqa o'quv fanlaridan o'quvchilarning intellektual qobiliyatini rivojlantirishda eng keng qamrovli xisoblanadi. Matematik misollar va boshqotirmalar o'quvchini uch tomonlama fazoviy tasavvurlarini shakllantirish va rivojlantirishda asosiy xisoblanadi.

Kalit so'zlar: o'qituvchi, metodika, intellekt, manba, qobiliyat, fan, maqsad, matematika, shakllanish, ko'nikma, malaka, talaba, boshqotirma.

Abstract: In this article, the main content of the method of improving the methodical preparation of future elementary school teachers for the intellectual development of students is revealed through elementary mathematics. It is natural to ask the question why mathematics was taken as an object, because the main

goal of mathematics is the most comprehensive in developing intellectual abilities of students from other educational subjects. Mathematical examples and puzzles are considered essential in the formation and development of the student's three-dimensional spatial perception.

Keywords: teacher, methodology, intelligence, resource, ability, science, goal, mathematics, formation, skill, skill, student, puzzle.

MAKTABGACHA YOSHDAGI BOLALARNI INNOVATSION PEDAGOGIK TEXNOLOGIYALAR YORDAMIDA KREATIV FIKRLASHGA O'RGATISH METODIKASINI TAKOMILLASHTIRISH

Abdusattorova Umida Abdusamat qizi

Guliston Davlat Universiteti 1-bosqich tayanch doktoranti

Qisqacha mazmuni: Mazkur maqolada bugungi kunda maktabgacha ta'limda o'rnatilgan innovatsion pedagogik texnologiyalar yordamida bolalarni kreativ fikrlashga o'rgatish metodikasini tashkil etish, yo'lga qo'yish metodikasi. Ushbu metodikadan joriy etish e'tibor berish lozim bo'lgan tomonlari va muammolari to'g'risida ma'lumotlar berilgan. Shuningdek, maqolada, maktabgacha ta'lim tizimida innovatsion texnologiyalardan foydalanish haqida fikr va mulohazalar qilinadi.

Kalit so'zlar: kreativ fikrlash, pedagogika, kompetensiya, maktabgacha ta'lim tizimi, bolalar psixologiyasi, rivojlanish, ta'lim, tarbiya, innovatsion texnologiyalar, tafakkur, idrok, ong, moslashuvchanlik.

Abstract: In this article, the method of organizing and setting up the method of teaching children to think creatively with the help of innovative pedagogical technologies established in preschool education today. Information about the aspects and problems that should be paid attention to in the implementation of this methodology is given. Also, in the article, thoughts and comments are made about the use of innovative technologies in the preschool education system.

Keywords: creative thinking, pedagogy, competence, preschool education system, child psychology, development, education, upbringing, innovative technologies, thinking, perception, consciousness, flexibility.

BOSHLANG'ICH SINIF MATEMATIKA DARSLARIDA MASALA YECHISH USULLARIGA O'RGATISH

Aybeka Achilova

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Qisqacha mazmuni: Maqolamizda boshlang'ich sinf o'quvchilarini mustaqil masalalar yechishga o'rgatish uchun tavsiya qilinadigan turli xildagi metodikalar haqida ma'lumotlar keltirilgan.

Kalit so'zlar: Tushunchalar bilan ishlash, masalalar tahlili, boshqa o'quvchilar bilan ishlash, qaytadan yechish, feedback berish, mavzuni takomillashtirish.

**ОПРЕДЕЛИТЬ ЭФФЕКТИВНОСТЬ МЕТОДИКИ
ТРЕНИРОВОЧНЫЙ ПРОЦЕСС КВАЛИФИЦИРОВАННЫХ
СПОРТСМЕНОВ В ГРЕБЛЕ АКАДЕМИЧЕСКОЙ**

Акбарова Дилрабо Бахром кизи,
Преподаватель, ГГУ, dakbarova300@mail.com

Аннотация: В данной работе, применена оценка гибкости, в сочетании с визуальным анализом техники гребли, для совершенствования общей физической подготовки девушек (ГСС) 1 года обучения в академической гребле. Практически реализован один из путей оптимизации общей физической подготовки девушек в академической гребле.

Ключевые слова: гибкость, квалифицированных, пассивной гибкость, пассивной гибкость, динамика, отдых, тренировочный процесс.

Abstract: In this work, the assessment of flexibility, in combination with a visual analysis of the rowing technique, was used to improve the general physical fitness of girls (GSS) of the 1st year of training in rowing. One of the ways to optimize the general physical training of girls in rowing has been practically implemented.

Keywords: flexibility, qualified, passive flexibility, passive flexibility, dynamics, rest, training process.

CURRENT ISSUES OF VOLLEYBALL

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Abstract: Traditional volleyball, invented by the American William Morgan in 1895, today is radically different from the first volleyball in terms of its essence and content, technique and tactics, and game intensity. In recent years, traditional volleyball has come to be called classic volleyball, as its development has resulted in the emergence of "sand volleyball" as an independent sport and a strong place in the Olympic program. Volleyball is also one of the most popular sports as a means of physical education and fitness.

Keywords: Volleyball, physical education, sports, Olympics, classics, technique, tactics, game, healthy, world, attack, defense.

**YOSH KARATECHILARNING TEXNIK VA TAKTIK TAYYOR-
GRLIGINI INNOVATION USULLAR YORDAMIDA OSHIRISH**

Alijonov Oybek Muzaffar o'g'li, Guliston Davlat Universiteti

Qisqacha mazmuni: Ushbu maqolada yosh karatechilarning texnika va taktikasini innovation usullar yordamida oshirish haqida so'z yuritilgan va tahlil qilingan.

Kalit so'zlar: Karate, texnik mahorat, o'smir yosh, jismoniy tayyorgarlik.

Abstract: This article talks and analyzes about increasing the technique and

tactics of young karate fighters using innovative methods.

Keywords: Karate, technical skill, teenage age, physical fitness.

FORMATION OF HYGIENE SKILLS IN PRE-SCHOOL CHILDREN

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Abstract: The article covers the issues of formation of initial hygienic ideas in preschool children, their observance, ways of forming hygiene skills, and their importance in increasing educational efficiency.

Keywords: Preschool educational organization, educator, hygiene, physical development, exercise, healthy lifestyle, physical education, personal, hygienic skills.

Qisqacha mazmuni: Maqolada maktabgacha yoshdagi bolalarda boshlang'ich gigienik g'oyalarni shakllantirish, ularga rioya qilish, gigiena ko'nikmalarini shakllantirish yo'llari va ta'lim samaradorligini oshirishdagi ahamiyati masalalari yoritilgan.

Kalit so'zlar: Maktabgacha ta'lim tashkiloti, tarbiyachi, gigiena, jismoniy rivojlanish, jismoniy mashqlar, sog'lom turmush tarzi, jismoniy tarbiya, shaxsiy, gigiyenik ko'nikmalar.

TA'LIM DOIRASIDA INTERDISIPLINAR YONDASHUV - OLIY TA'LIMNING YANGI SIFATI

Alisher Alikul o'g'li SATTOROV

Guliston Davlat Universiteti, San'atshunoslik fakulteti "Musiqiy ta'lim" kafedrasida o'qituvchisi,

Qisqacha mazmuni: Mazkur maqolada oliy ta'lim muassasalari talabalarini kasbiy faoliyatga tayyorlashda fanlararo yondashuvni qo'llashning zarurligini, ushbu yondashuvni qo'llashning uchun zarur shart-sharoitlari tavsiflab berildi. Shuningdek, fanlararo yondashuvni amalga oshirish usullarini ko'rib chiqdi: o'quv kurslari va "modulli ta'lim". Hamda, fakultetlararo o'quv kurslarini tashkil etish zarurligini asoslab berildi, talabalarda umumiy ilmiy dunyoqarashni, yaxlit ilmiy fikrlash qobiliyatini va kasbiy faoliyat jarayonni yaxlit idrok etish qobiliyatini shakllantirish maqsadida amaliy taklif qilindi. "Modulli ta'lim"dan foydalanish muammolari aniqlandi.

Kalit so'zlar: fanlararo yondashuv, ta'limni modernizatsiya qilish, innovatsion jarayon, modulli ta'lim.

Abstract: This article describes the need to apply an interdisciplinary approach to the preparation of students of higher education institutions for professional activities, the necessary conditions for applying this approach. It also considered methods for implementing an interdisciplinary approach: training courses and "modular education". Also, the need to organize inter-faculty training courses was substantiated, students were offered practical in order to form a common scientific

worldview, the ability to holistic scientific thinking and the ability to comprehend the process of professional activity. Problems with the use of “modular education” have been identified.

Keywords: interdisciplinary approach, modernization of education, innovative process, modular education.

MILLIY MUMTOZ MUSIQA SAN‘ATINI TALABALARGA O‘RGATISH JARAYONLARINI ZAMONAVIY YANGI METODLAR ASOSIDA OLIB BORISH

Eshmamat Kamilovich BABAMURODOV

Guliston davlat universiteti, San‘atshunoslik fakulteti “Musika ta’limi” kafedrası o‘qituvchisi

Qisqacha mazmuni: Ushbu maqolada milliy musiqa san‘atimiz gultoji bo‘lmish maqom san‘ati va uni talabalarga o‘rgatish jarayonida zamonaviy yondashuv va uning natijalari haqida hulosalar keltirilgan.

Kalit so‘zlar: milliy musiqa, maqom, ta‘lim tarbiya, musiqiy meros, zamonaviy yondashuv, natijalar.

Abstract: This article presents conclusions about the art of status, which is the mainstay of our national musical art, and the modern approach and its results in the process of teaching it to students.

Keywords: national music, status, education, musical heritage, modern approach, results.

ARTISTIC SYNTHESIS OF EASTERN AND WESTERN TRADITIONS IN THE NOVEL “ETERNAL WANDERER”

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Abstract: In this article, one of the leading representatives of modern Uzbek prose, Isajon Sultan’s novel “Eternal Wanderer” is mutually analyzed, aspects have been studied. Also, the author’s artistic thinking, style, artistic language, novel genre and poetics, and issues such as novelistic thinking were thoroughly researched in the research work. Based on the interrelationships in the images and plot lines created in the novels, the characteristics of gradualism and individuality in the author’s artistic thinking are analyzed on the example of literary novels and on the basis of scientific literature. Before creating a work of art, the artist certainly thinks about its composition.

Keywords: novel, novelistic thinking, artistic thinking, image, plot, composition, synthesis, detail, historical thinking, poetics.

УПРАВЛЕНИЯ РАЗВИТИЯ ФИЗИЧЕСКОЙ КУЛЬТУРЫ И СПОРТА В СОВРЕМЕННЫХ УСЛОВИЯХ

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Аннотация: В данной статье подчеркивается возрастающее значение качественного образования в современном обществе, с его развитием связан духовный, культурный и нравственный потенциал общества. В статье рассмотрены основные подходы к совершенствованию управления физической культурой и пропаганде спорта среди подрастающего поколения молодежи, имеющие большое значение в развитии физической культуры и спорта, здорового образа жизни в современных условиях.

Ключевые слова: образование, технология, пропагандистское развитие, реформа, педагогический подход, физкультура и спорт, здравоохранение, современные технологии.

Abstract: This article emphasizes the increasing importance of quality education in modern society, its development is associated with the spiritual, cultural and moral potential of society. The article considers the main approaches to improving the management of physical culture and the promotion of sports among the younger generation of youth, which are of great importance in the development of physical culture and sports, a healthy lifestyle in modern conditions.

Keywords: education, technology, propaganda development, reform, pedagogical approach, physical education and sports, healthcare, modern technologies.

JISMONIY TARBIYA VA SPORT YOSHLARNING SOG'LOM TURMUSH TARZINI SHAKILLANTIRUVCHI OMIL

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Qisqacha mazmuni: Inson hayot faoliyatini o'z meyorida ushlab turilishiga xizmat qiladigan omillardan biri bu jismoniy madaniyatdir. Jismoniy madaniyat negizida sog'lom turmush tarzi ko'rishimiz mumkin. Bugungi globallashuv jarayonda ushbu omilning ahamiyati tez suratda oshib bormoqda. Chunki kundalik hayotimizning deyarli 60-70% bugun harakatsizlik bilan bog'liq va bu juda achinarli oqibatlarga olib kelishi mumkin. Shunga ko'ra jismoniy madaniyat kata sahnaga chiqishi va yuqoridagi ko'rsatkichlarni o'z ta'siri bilan o'zgartirishi lozim. Maqolada muallif jismoniy tarbiya va sportning inson hayotida, ilm fan va ijtimoiy hayot sohasida barqaror muvozanatga ega bo'lishi zarurligi haqida so'zlaydi.

Kalit so'zlar: zamonaviy, ijtimoiy, hayot, ta'lim, jismoniy, tarbiya, madaniyat, sport, salomatlik, ilm-fan.

Аннотация: Одним из факторов, помогающих человеку поддерживать нормальный уровень жизнедеятельности, является физическая культура. Мы видим здоровый образ жизни, основанный на физической культуре. В сегодняшнем процессе глобализации значение этого фактора стремительно растет. Потому что почти 60-70% нашей повседневной жизни сегодня связано с бездействием, а это может привести к очень печальным последствиям. Соответственно, физическая культура должна выйти на сцену и своим

воздействием изменить вышеперечисленные показатели. В статье автор говорит о необходимости устойчивого баланса физической культуры и спорта в жизни человека, науки и общественной жизни

Ключевые слова: *современный, социальный, быт, воспитание, физическое, воспитание, культура, спорт, здоровье, наука.*

FORMATION OF MATHEMATICAL IDEAS IN ELEMENTARY SCHOOL STUDENTS

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Qisqacha mazmuni: Boshlang'ich sinf o'quvchilarida matematik tasavvurlarni texnologik yondashuv asosida shakllantirish o'quvchilarida PIRLS VA TIMSS testlari pedagogik test mazmunida shakllanganligi mohiyati va darajasini diagnostikalashni nazariya va amaliyotda ochib berish, boshlang'ich sinflar o'quvchilariga qo'llanilgan xolda matematika kursi materialida mantiqiy topshiriqlar mazmuni, va o'quvchilari mantiqiy fikrlash faoliyatining o'ziga xos xususiyatlari, matematika kursida isbotli dalillar, xulosa, tahlillar talab etuvchi muammoli vaziyat, masala, topshiriq, didaktik o'yinlar mustaqil ishlardan foydalanilgan.

TA'LIM DOIRASIDA AN'ANAVIY VA ZAMONAVIY METODLAR TADQIQI

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Bo'riboeva Dilrabo Norboy qizi, *Guliston Davlat Universiteti doktoranti*

Qisqacha mazmuni: Ushbu maqolada umumiy o'rta ta'lim, professional ta'lim, oliy ta'lim va kadrlarni qayta tayyorlash va ularning malakasini oshirish makazlari tizimida faoliyat yuritayotgan o'quvchi, talaba, pedagog, professor-o'qituvchilarning ta'lim-tarbiya samaradorligini oshirishda qo'l keladigan yondashuvlar haqida fikr yuritilgan.

Kalit so'zlar: tizimli yondashuv, texnologik yondashuv, tadqiqiy ijodiy yondashuv, an'anaviy metod, zamonaviy metod, bilim, ko'nikma, malaka, uzluksiz ta'lim, iqtisodiy ta'lim, ijtimoiy tarbiya, ilmiy tafakkur, aqliy tarbiya, axloqiy tarbiya, estetik tarbiya.

Abstract: This article deals with the education of students, teachers, professors and teachers working in the system of centers of general secondary education, vocational education, higher education and retraining and advanced training, approaches to improving the effectiveness of education were discussed.

Keywords: systematic approach, technological approach, research creative approach, traditional method, modern method, knowledge, skills, qualifications, continuing education, economic education, social education, scientific thinking, mental education, moral education, aesthetic education.

TRAINING SCHOOLCHILDREN IN THROWING TECHNIQUES THROUGH ACTION GAMES

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Abstract: This article presents methods and effectiveness for teaching schoolchildren how to throw through action games, that is, games with a special aesthetic. Through the development of special physical qualities, students aged 12-13 were taught the technique of throwing a tennis ball and stopped to improve training methods.

Keywords: mentally mature, healthy lifestyle, harmful habits, elementary sports training, strengthening training, circular accelerations, maximum strength, physical education, grenade.

MAKTABLARDA JISMONIY TARBIYA FANINI O'QITISHDA ZAMONAVIY PEDAGOGIK TEXNOLOGIYALARNI O'RGATISHNING NAZARIY ASOSLARI

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Qisqacha mazmuni: Maqola muallifi jismoniy tarbiya fanini o'qitishda zamonaviy pedagogik texnologiyalarning talim tizimidagi o'rni, qiymati, o'quvchilarning fanga qiziqishlarini shakllantirishdagi ahamiyatiga to'xtaladi. Bu qiziqishni rivojlantirish yuzasidan muayyan tavsifalar beradi.

Kalit so'zlar: pedagogik texnologiyalar, innovatsiya, interfaol, dars, key-stadiyu, assesiment, svot-taqlil, pedagogik texnologiya, o'qituvchi va talaba.

Abstract: The author of the article focuses on the role and value of modern pedagogical technologies in the educational system in the teaching of chemistry, and their importance in forming students' interest in science. It gives specific recommendations for the development of interest.

Keywords: pedagogical technologies, innovation, interactive, lesson, case study, assessment, SWOT simulation, pedagogical technology, teacher and student.

SHE'RIY TURKUMLARDA TURKISTON ISTIBDODI MANZARALARI

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Guliston davlat universiteti, O'zbek adabiyotshunosligi kafedrasida dotsenti, filologiya fanlari nomzodi,

Qisqacha mazmuni: Mazkur maqola o'zbek she'riy sikllarining janr xususiyatlari shoir Mirpo'lat Mirzoning "Istibdod manzaralari" turkumi misolida

tadqiq etilgan. Turkumdagi rus istibdodining Turkiston xalqi boshiga solgan jafolari ifodasiga alohida e'tibor qaratilgan. Shuningdek, Mirpo'lat Mirzo qalamiga mansub mazkur turkum orqali xalqimizning yaqin o'tmishi esga olinganligi va shu bilan bir qatorda millatning yetuk farzandlari boshiga tushgan jafolarga befarq qarab turgan loqayd kimsalar qoralanganligi, loqaydlik millatning fojeasi ekanliginiga alohida urg'u berilgan.

Kalit so'zlar: she'riy turkum, she'riy shakllar, lirik qahramon, kechinma tavsifi, vatanparvarlik, loqaydlik, millatdoshlar, umumlashma obrazlar, tarixiy lahzalar ifodasi, jonlantirish, ta'did, takrir, she'riy san'atlar va boshqalar.

Abstract: This article explores the genre characteristics of Uzbek poetic cycles on the example of the poet Mirpolat Mirzo's cycle "Istibdod Manzarlari". In the cycle, special attention is paid to the expression of the sufferings of the Russian tyranny on the people of Turkestan. Also, it is emphasized that through this cycle written by Mirpolat Mirza, the recent past of our nation is remembered, and at the same time, indifferent people who look indifferently at the sufferings of the mature children of the nation are condemned, and indifference is the tragedy of the nation.

Keywords: poetic cycle, poetic forms, lyrical hero, description of experience, patriotism, indifference, compatriots, generalized images, expression of historical moments, revitalization, repetition, repetition, poetic arts, etc.

Ona Tili Mashg'ulotlarida Zamonaviy Pedagogik Texnologiyalarning O'Rni

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Qisqacha mazmuni: ushbu maqolada boshlang'ich sinf ona tili darslarida pedagogik texnologiyalardan foydalanish va uni o'rinli qo'llay olish, o'qituvchining mahorati orqali o'quvchilarga yetkaza olishi va qay darajada ta'sir qilishi va uning mazmuni haqida bayon etilgan.

Kalit so'zlar: Boshlang'ich ta'lim oldiga qo'yilgan vazifalarning to'laqonli bajarilishini nazorat qilish – ta'lim bo'yicha davlat standarti talablari asosida amalga oshiradi ya'ni bunda innovatsion va integratsion ta'lim asosida takomillashtirilishi yangi ped texnologiya (metod, model)lari asosida boshlang'ich ta'limga o'tish ta'minlanadi.

INNOVATSION TA'LIM TEXNOLOGIYALARI ASOSIDA O'QUVCHILARNI MANTIQUIY FIKRLASHGA O'RGATISHNING SHAKL, METOD VA VOSITALARI

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Qisqacha mazmuni: Mantiqiy fikrlash o'quvchilarning o'zlashtirgan bilim va ko'nikmalaridan foydalangan holda, shuningdek, nazariy va amalda qiyin vaziyatlarda ham qaror qabul qilishga, shuningdek, kerakli ma'lumotlarni topishga o'rgatishni tartibga soladi. Bularning barchasi mantiqiy fikrlashni rivojlantirish, agar u asosiy vazifa bo'lmasa, keyinchalik o'quvchining maktabda o'qishi davrida eng muhimlaridan biriga aylanishidan dalolat beradi. Ushbu maqolada, innovatsion ta'lim texnologiyalari asosida o'quvchilarni mantiqiy fikrlashga o'rgatish shakl, metod va vositalari haqida fikr va mulohazalar qilinadi.

Kalit so'zlar: Mantiqiy fikrlash, metodika, vositalar, innovatsion ta'lim, pedagogik texnologiyalar, mulohaza qilish, aqliy faoliyat, tahlil metodikasi, audio-visual materials, yoshlar, o'yinli metodlar.

BOSHLANG'ICH SINIF O'QUVCHILARINI SOG'LOM TURMUSH TARZI MAZMUNINI ETNOSPORT VOSITASIDA RIVOJLANTIRISHNING PEDAGOGIK TIZIMI

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Qisqacha mazmuni: Ushbu maqolada keltirilgan manbalar sog'lom turmush tarzi va uni tarkibiy qismlarini o'rganish orqali, o'quvchilar turmush sharoitlarini faol o'zlashtirishga zamin yaratadi va sog'lom turmush tarzi sohasidagi asosiy yo'nalishlarni takomillashtirish bo'yicha ilmiy qarashlar, yondashuvlar, usullarni shakllantirish haqida so'z boradi.

Kalit so'zlar: jismoniy tarbiya va sport, etnosport, iqtisod, demokratiya, strategiya, barqaror, davlat, sog'lom, harakat, sog'lomlashtirish, shakllantirish, tibbiy-gigenik qoidalar.

ПЕДАГОГИЧЕСКАЯ СИСТЕМА ФОРМИРОВАНИЯ СОДЕРЖАНИЯ ЗДОРОВОГО ОБРАЗА ЖИЗНИ УЧАЩИХСЯ НАЧАЛЬНОЙ ШКОЛЫ СРЕДСТВАМИ ЭТНОСПОРТА

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Аннотация: ресурсы, представленные в данной статье, через изучение здорового образа жизни и его компонентов закладывают основу для активного освоения читателями условий жизни и рассказывают о формировании научных взглядов, подходов, методов совершенствования основных направлений в области здорового образа жизни.

Ключевые слова: физкультура и спорт, этносport, экономика, демократия, стратегия, устойчивость, государство, здоровье, движение,

оздоровление, формирование, медико–гигиенические правила, здоровый образ жизни.

PEDAGOGICAL SYSTEM OF DEVELOPING THE CONTENT OF A HEALTHY LIFESTYLE OF ELEMENTARY SCHOOL STUDENTS THROUGH ETHNOSPORTS

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Abstract: The sources presented in this article provide a basis for the active assimilation of living conditions by students through the study of a healthy lifestyle and its components, and talk about the formation of scientific views, approaches, methods for improving the main directions in the field of a healthy lifestyle.

Keywords: physical education and sports, etnosport, economics, democracy, strategy, sustainable, State, healthy, movement, wellness, shaping, medical and hygienic rules, healthy lifestyle.

TARIXIY ROMAN KOMPOZITSIYASIDA EPIK BAYON USLUBI

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Qisqacha mazmuni: Mazkur maqolada yozuvchi Isajon Sultonning "Bilga xoqon" tarixiy romani kompozitsion strukturadagi epik bayon uslubi haqida so'z boradi. Shu bilan birga tarixiy haqiqatning badiiy ifodasi tahlilga tortilgan.

Kalit so'zlar: tarixiy roman, tarixiylik, kompozitsiya, epik bayon, obraz, qahramon, yozuvchi uslubi, turkiy xalqlar, turkiy qavm, asar tili, ijodiy izlanish.

JISMONIY TARBIYA MASHG'ULOTLARINI INNOVATSION TA'LIM TEXNOLOGIYALARI ASOSIDA TASHKIL ETISH

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Qisqacha mazmuni: Maqolada bo'lajak jismoniy tarbiya o'qituvchilarini innovatsion faoliyatga tayyorlash, jismoniy tarbiya darslarining mazmunini ilmiy tashkil etish, uning tashkiliy va texnologik asoslarini modernizatsiya qilish, keyingi rivojlanish tendentsiyalarini ishlab chiqish masalalari bo'yicha g'oyalar bayon etilgan.

Kalit so'zlar: dars, mashg'ulot, texnologiya, ijodkorlik, sog'liq, sog'lomlashtirish texnologiyalari, o'yin texnologiyalari, jismoniy tarbiya elementlari.

TA'LIM JARAYONIDA INTERAKTIV METODLARNING AHAMIYATI

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Qisqacha mazmuni: Bugungi kunda pedagogik texnologiyalarning eng mashhur turlaridan biri bu interaktiv usullardir. Interaktiv usullar-bu o'quvchi va o'qituvchining birgalikdagi faoliyati bo'lib, u asosan o'quvchilarni fikrlashga undaydi. Ushbu maqolada o'quv jarayonida interfaol usullardan foydalanishning ahamiyati, shuningdek darslarda ishlatiladigan ba'zi interaktiv usullar haqida so'z boradi.

Kalit so'zlar: "Yangi pedagogik texnologiyalar", "Innovatsion uslublar", "Interaktiv metodlar", "Interakt", zamonavut ta'lim.

ОЛИЙ ТАЪЛИМГА ЎҚИТИШ ИМКОНИАТЛАРИ ЮҚОРИ СИНФ ЎҚУВЧИЛАРИ БИЛАН КАСБГА ЙЎНАЛТИРИШ ИШЛАРИДА МАҚСАДЛАРИ ВА МАЗМУНЛАРИ

Ismatova Sarvinoz Sanjarovna, GulDU talabasi

Tuychiyev Adham Amrullayevich, GulDU katta o'qituvchisi

Qisqacha mazmuni: Bu maqolada o'quvchi o'shlar bilan kasbga yo'naltiirish ishlarini ko'rib chiqish, o'rta maktabdan keyingi ta'lim yo'nalishi va darajasini tanlash asosli kasbni o'zini o'zi belgilash, o'rta maktab o'quvchisi bilan kasbga yo'naltiirish ishlarida oliy ta'limga o'qitish imkoniyatlarini o'shuni shga imkon beradi.

Kalit so'zlar: Yuqori sinf, kasb, uzluksiz, oliy ta'lim, integratsiya, jamiyat, mehnat, O'rta maktab, fanlararo, Tadqiqot masalalari, professionalashtiri sh, professional, muvofiq, transformatsion imkoniyatlar, kasbii ta'lim, o'qitish, ijtimoiy-madaniy

Abstract: This article examines career guidance work with young adults, self-determination of career based on the choice of post-secondary education field and level, and allows to understand the possibilities of higher education training in career guidance work with high school students.

Keywords: Upper class, profession, continuum, higher education, integration, society, labor, High school, interdisciplinary, Research issues, professionalization, professional, appropriate, transformational opportunities, vocational education, teaching, socio-cultural

VOYAGA YETMAGAN YOSHLAR FEL-ATVORIDA AYRIM NUQSONLARNI BARTARAF ETISHDA JISMONIY TARBIYANING O'RNI

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Qisqacha mazmuni: Mazkur maqola voyaga yetmagan yoshlarni fel-atvorida ayrim nuqsonlarni bartaraf etishda jismoniy tarbiyani o'rni va ahamiyati yoshga doir yuklamalar asosida bartaraf etishga qaratilgan. Hozirgi kunda fel-atvori yoshlarni omaviy sport tadbirlariga jalb etgan holda ulardagi turli hulqiy buzilishlarni depressiya tushkunlik agressiya va odamlar bilan mulohatning kamayishi kabi holatlarni bartaraf etish choralari ko'rsatilgan.

Kalit so'zlar: voyaga yetmagan, jismoniy barkamollik, jismoniy va ruhiy ta'sir, jismoniy tarbiya, milliy qadriyatlar.

Abstract: This article aims to eliminate the role and importance of physical education in the elimination of some defects in the behavior of minors based on age-related burdens. At present, by involving young people in mass sports events, measures are shown to eliminate various behavioral disorders in them, such as depression, depression, aggression, and a decrease in communication with people.

Keywords: adult, physical perfection, physical and mental impact, physical education, national values.

PEDAGOGIKADA SOG'LOM TURMUSH TARZINI SHAKLLANTIRISHNING ASOSLARI

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Qisqacha mazmuni: Mazkur maqolada o'quvchi yoshlarda sog'lom turmush tarzini rivojlantirishning psixologik-pedagogik omillariga to'xtalar ekanmiz, unda jamiyatdagi o'quvchi yoshlarning sog'lig'i va umr ko'rish davomiyligi haqida ma'lumotlar berilgan. Shu munosabat bilan, o'quvchi yoshlarda sog'lom turmush tarzini o'rganish lozimligi batafsil ko'rsatib berilgan.

Kalit so'zlar: O'quvchi yoshlar, sog'lom turmush tarzi, uyqu, dam olish, ovqatlanish gigiyenasi, jismoniy mashqlar, zarali odatlar.

Abstract: In this article, we focus on the psychological and pedagogical factors of the development of a healthy lifestyle among schoolchildren, it provides information about the health and life expectancy of schoolchildren in the society. In this regard, the necessity of learning a healthy lifestyle among young students is shown in detail.

Keywords: student youth, healthy lifestyle, sleep, rest, food hygiene, physical exercise, bad habits.

SPORT INSHOATLARI FAOLIYATINI SAMARALI BOSHQARISH MEXANIZIMINI SHAKLLANTIRISH VA RIVOJLANTIRISH

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Qisqacha mazmuni: Sport inshootlari sport, jumladan, ommaviy sport va jismoniy madaniyat, sog'lom turmush tarzining moddiy-texnik asosini tashkil etadi. Sport inshootlarini barpo etmasdan, ularni takomillashtirmasdan, sportda yuqori natijalarga umid bog'lash qiyin. «Sport inshootlari» o'quv fani sport pedagogikasining tarkibiy qismi sanaladi. Bunda o'quvchi va talaba yoshlar sport inshootlari, ularning turlari, ularga qo'yiladigan talablar kabi muhim bilim va amaliy ko'nikmalar hosil qiladi.

Kalit so'zlar: sport komplekslari, stadion, suzish basseyni, sportzal, otish tiri, gimnastika, yengil atletika, basketbol, voleybol, stol tennis.

Abstract: Sports facilities are the material and technical basis of sports, including mass sports and physical culture, healthy lifestyle. It is difficult to hope for high results in sports without building and improving sports facilities. "Sport facilities" is a component of sports pedagogy. In this way, pupils and students acquire important knowledge and practical skills such as youth sports facilities, their types, requirements for them.

Keywords: sports complexes, stadium, swimming pool, gym, shooting range, gymnastics, athletics, basketball, volleyball, table tennis.

SPORT INSHOOTING MOSLASHUVCHANLIGI TUSHUNCHASI

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Qisqacha mazmuni. Maqolada sport inshooting moslashuvchanligi tushunchasi ochib berilgan. Moslashuvchanlik konsepsiyasi zamonaviy insonning o'zgaruvchan yehtiyojlarini qondirish va tashqi muhit bilan o'zaro munosabatlarni tashkil qilishni takomillashtirish, odam uchun qulay bo'lgan atrof-muhit xususiyatlarining mavjudligini ta'minlash uchun sport ob'ekti tarkibidagi o'zgarishlarga ochiqlikka qaratilgan me'moriy ob'ektni shakllantirishning o'ziga xos xususiyatlarini belgilaydi.

Kalit so'zlar: moslashuvchanlik, stadion, sport, sport inshooting tuzilishi, transformatsiya texnikasi.

TALABALARNING INNOVATSION KOMPETENTLIGINI TA'MINLASH - DOLZARB MASALA SIFATIDA

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Qisqacha mazmuni: Ushbu maqolada innovatsion faoliyatni qo'llab-quvvatlash jamg'armalari qaytarish shartlari asosida yoki beg'araz asosda mablag'lar ajratishi, shuningdek, innovatsion faoliyat sub'ektlarining majburiyatlari bo'yicha kafil sifatida ish yuritishi mumkinligi haqida so'z boradi. «Innovatsion faoliyatni qo'llab-quvvatlash jamg'armalarini tashkil etish, qayta tashkil etish va tugatish qonun hujjatlarida belgilangan tartibda amalga oshiriladi».

Kalit so'zlar: innovatsiya, jamg'arma, innovatsion faoliyat, qonun hujjatlari, sub'yekt.

Abstract: This article mentions that innovation activity support funds can allocate funds on the basis of repayment terms or on a voluntary basis, as well as act as a guarantor for the obligations of innovative activity subjects. "Establishment, reorganization and liquidation of innovative activity support funds shall be carried out in accordance with the procedure established by law."

Keywords: innovation, fund, innovative activity, legislation, entity.

YOSH FUTBOLCHILARNI TEXNIK-TAKTIK TAYYORLASHNI TAKOMILLASHTIRISH

Jonibekov Shuxrat Jonibekovich

katta o'qituvchi Guliston davlat universiteti

Qisqacha mazmuni: Bugungi kunda, futbolning dinamik rivojlanishi vaqtida, ilmiy izlanishlar har qachongidan ham ko'proq muhim. Ular "global" futbolchini zamonaviy tayyor-lashda ko'plab qiziqarli metodlar, dasturlar va o'qitish usullarini amalda aniqlash, tadbir eish va qo'llashga imkon beradi.

Kalit so'zlar: murabbiy, futbolchi, mashg'ulot, tezkorlik, qobiliyat, yuklama, tajriba guruhi, nazorat guruhi.

Abstract: Today, in the dynamic times of football, scientific research is more important than ever. They allow to produce, implement and apply many interesting methods, programs and training methods in modern preparation of "global" football players.

Keywords: coach, game, training, tool, specifics, load, experimental group, control group.

КУРАШЧИ ҚИЗЛАРНИНГ ОЁҚ БИЛАН БАЖАРИЛАДИГАН МАШҚЛАР ТЕХНИКСИ ТАҲЛИЛИ

Gulom JURAYEV, Жўраев Ф.И., ГулДУ уқитувчиси

Qisqacha mazmuni: Har qanday vositaning samaradorligi uning qanday ekanligiga bogliq. Oyoq bilan bajariladigan mashqlar jismoniy tarbiya yuklamasining uziga xos ajralmas qismidir. Jismoniy tarbiyaning barcha usullarining eng muhim asoslaridan biri mashqlarni dam olish bilan birlashtirishning tanlangan usuli hisoblanadi.

Kalit soʻzlar: yosh kurashchi qizlar, chidamlilik, tezlik, kuch qobiliyatlari va egiluvchanlik, koʻprik, maneken.

Abstract: The effectiveness of any tool depends on what it is. Leg exercises are an integral part of physical fitness. One of the most important foundations of all methods of physical education is the chosen way of combining physical exercises with rest.

Keywords: young female wrestlers, endurance, speed, strength skills and flexibility, bridge, mannequin.

О‘QUVCHILARINING ONA TILI VA О‘QISH SAVODXONLIGI DARSLARIDA TANQIDIY FIKRLASH KO‘NIKMASINI SHAKLLANTIRISH

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Qisqacha mazmuni: Maqolada boshlangʻich taʼlim oʻquvchilarining tanqidiy fikrlash qobiliyatlarini takomillashtirish yuzasidan ilmiy izlanish olib borgan olimlarimizning taʼriflari va tanqidiy fikrlash borasidagi nazariy qarashlari va tadqiqotlardan olingan natijaga koʻra bildirilgan fikrlar ushbu mavzumizni yoritib berishga asos boʻlib xizmat qiladi. Shu bilan birgalikda oʻqituvchilarning oʻquv dasturlarida koʻproq amaliy mashgʻulotlarga tayangan holda interfaol metodlardan foydalanishi kerakligi haqida fikr va mulohazalari keltirilgan. Oʻquvchilarda mustaqil ijodiy va tanqidiy fikrlash qobiliyatini shakllantirishda oʻquvchi-yoshlarning tanqidiy fikrlashi va oʻz faoliyatiga munosabatlarini oʻzgartirish masalasi oʻta muhimdir.

Kalit soʻzlar: Tanqidiy fikrlash, malaka, boshlangʻich taʼlim, fikr, taʼlim jarayoni, tanqid, oʻquv mashgʻuloti.

Abstract: In the article, the definitions of our scientists who conducted scientific research on improving the critical thinking skills of primary school students and the theoretical views on critical thinking and the opinions expressed according to the results of the research serve as the basis for illuminating this topic. At the

same time, the opinions and opinions of teachers about the need to use interactive methods based on more practical exercises in educational programs are presented. The question of changing students' critical thinking and attitudes towards their work is very important in forming the ability of independent creative and critical thinking in students.

Keywords: Critical thinking, competence, primary education, thought, educational process, criticism, training.

OYBEKNING “NAVOIY” ROMANIDA HIKMATLI SO‘ZLARNING BERILISHI

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Qisqacha mazmuni: Mazkur maqolada Muso Toshmuhammad o‘g‘li Oybekning “Navoiy” romanida berilgan hikmatli so‘z, ya’ni aforizmlarga alohida e’tibor qaratiladi. Tadqiqotning maqsadi “Navoiy” romanini tahlil qilish asosida unda berilgan hikmatli so‘zlarning o‘ziga xos xususiyatlarini tadqiq etishdan iborat.

Kalit so‘zlar: “Navoiy” romani, maqol, matal, ibora, hikmatli so‘z, aforizm, xalq maqollari, lingvistik birliklar, paremiologik birliklar.

ВЗАИМОСВЯЗЬ ДИАПАЗОНА ДВИГАТЕЛЬНОЙ ДЕЯТЕЛЬНОСТИ ФУТБОЛИСТОК ВЫСОКОЙ КВАЛИФИКАЦИИ И ИХ СПЕЦИАЛЬНОЙ ФИЗИЧЕСКОЙ ПОДГОТОВЛЕННОСТИ

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Abstract: The work presents a comparative analysis of the motor movements of highly qualified football players obtained both during the matches of the international tournament and in the games of the championship of Uzbekistan. The data on motor movements of football players in different zones of intensity are given. The data obtained can be used by football specialists and coaches who train women’s teams.

Keywords: Football players of high qualification, indicators of motor movements, analysis of competitive activity.

BO‘LAJAK KURASHCHILARNING PEDAGOGIK VA AXLOQIY SIFATLARINI TARBİYALASH

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Qisqacha mazmuni: Ushbu maqolada bo‘ljak yosh kurashchilarning pedagogik va axloqiy sifatlarini tarbiyalashning ahamiyati hamda unda qo‘llaniladigan usullar haqida yoritib berilgan.

Kalit soʻzlar: kurash, tehnika taktik, qur'a, chempionat, pedagogik mahorat, bellashuv, mashg'ulot.

Abstract: This article describes the importance of educating the pedagogical and moral qualities of future young wrestlers and the methods used.

Keywords: wrestling, technical tactic, draw, championship, pedagogical skill, competition, training.

PERCEPTION OF THE CHILD IN THE FIELD OF LISTENING TO MUSIC IN A PRESCHOOL EDUCATIONAL INSTITUTION

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Abstract: Any conversation about music makes sense only when music sounds along with it. Music participates in the conversation, tells about the world, nature, man through the language of sounds and intonations. The child's knowledge of this peculiar language begins from the moment when the first interest in musical sound, music-making appears, when there is a desire to talk about the means of musical expression.

Keywords: music, musical culture, thinking, child, music director, hearing process, perception, artistic activity, musical and rhythmic movements, auditory attention, vocabulary, festive matinees, analysis of musical works, means of musical expression, kindergarten

TA'LIMDA KLASTERLARNI QOʻLLASH SAMARADORLIGI

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Аннотации: В статье научно обоснована эффективность использования кластеров на уроках для студентов специальности «Физическая культура» в высших учебных заведениях. Кроме того, особое внимание уделяется современным методам обучения, популярным сегодня в мире, и условиям их применения.

Ключевые слова: университет, выше среднего, знания, умения, объект, психологические, педагогические, педагогические навыки, учебная информация

Abstract: The article is scientifically based on the effectiveness of the use of clusters in the lessons for students majoring in "Physical Culture" in higher education. In addition, special attention is paid to the modern methods of teaching, which are popular in the world today, and the conditions of their application.

Keywords: university, higher education, knowledge, ability, object, psychological, pedagogical, pedagogical skills, educational information

NISHOTIYNING “HUSN VA DIL” ASARIDA FOLKLOR AN'ANALARI

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Qisqacha mazmuni: Maqola Nishotiyning “Husn va Dil” dostonidagi folklor an'analarini rivojlantirishga bag'ishlangan. O'zbek adabiyoti tarixidagi shoirlardan biri bo'lgan Nishotiy doston janrining rivojlanishiga katta hissa qo'shgan. Uning “Husn va Dil” doston asari Sharq adabiyotidagi eng mashhur afsonalardan biri asosida yaratilgan. Ushbu adabiy asar syujetida arab, fors-tojik, turk va urdu tillarida yozilgan ko'plab xalq og'zaki ijodiga xos bo'lgan voqealar aks ettirilgan. Tahlil natijasi shuni ko'rsatadiki, “Husn va Dil”da xalq og'zaki ijodidan olingan umumiy xususiyatlar ko'p, jumladan, rivoyatning ma'lum boshlanmasi, podshohning qahramon sifatleri, bola orzusi, qahramon va uning dushmanlarining sehrli kuchlari, motiv, sarguzashtlar va to'y marosimi bilan bog'liq jarayonlar. Umuman, bu xususiyatlarni o'zbek rivoyatlari, ertaklari va adabiy asarlarida ko'p uchratish mumkin. Ushbu tadqiqotlarda mana shu masalalarga e'tibor qaratilgan.

Kalit so'zlar: folklor; an'ana; Nishoti, epik; “Husn va Dil”; ertak.

Abstract. The article is devoted to the development of folklore traditions in epic literary work “Husn and Dil” by Nishati. Being one of the poets in the history of Uzbek literature, Nishati contributed much to the development of epic genre. His epic work “Husn and Dil” is based on the one of the most popular legends in the Eastern literature. The plot of this literary work reflects the events which are characteristic features of many pieces of folklore, written in Arabic, Persian-Tadjik, Turkish and Urdu languages. The result of the analysis shows that there are many common features taken from folklore in the “Husn and Dil”, including standard beginning of the narration, king as a hero, dream of a child, magic forces of the hero and his enemies, motif of adventures and wedding ceremony. In general, these features can be found in many Uzbek legends, fairy tales and literary works.

Keywords: folklore; tradition; Nishati, epic; “Husn and Dil”; fairy tale.

ADABIYOT DARSLARIDA INTEGRATIV YONDASHUVNING AHAMIYATI

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Qisqacha mazmuni: Ushbu maqolada adabiyot fanini o'qitishda fanlararo integratsiyaning ahamiyatiga asosiy e'tibor qaratilgan. Adabiyotni kino san'ati, teatr san'ati va musiqa kabi boshqa san'at turlari bilan integratsiyalashning yutuqlari hamda kompyuter texnologiyalarining bu jarayonni tashkil etishdagi o'rni xususida

fikr-mulohazalar bildirilgan.

Tayanch soʻzlar: adabiyot oʻqitish metodikasi, integratsiya, dars oʻtish mahorati, oʻzlashtirish samaradorligi, oʻquvchilar qiziqishi.

MAKTABGACHA TA'LIM YOSHDAGI BOLALAR JISMONIY TARBIYASINING O'ZIGA XOS INNOVASION XUSUSIYATI

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Qisqacha mazmuni: Mazkur maqolada maktabgacha ta'lim mussasalarida bolalar jismoniy tarbiyasi jarayoni oʻtilishi yoritilgan, maktabgacha ta'lim mussasasida jismoniy tarbiya ishlarini samarali tashkil etish yuzasidan tavsiyalar berilgan.

Annotation: This article describes the process of physical education of children in preschool education, provides recommendations for the effective organization of physical education in preschool education.

Kalit soʻzlar: Maktabgacha ta'lim, jismoniy tarbiya, jismoniy mashqlar, jismoniy rivojlanish, ta'lim-tarbiya, jismoniy faoliyat, oʻquv dastur, yosh xususiyatlari, jismoniy tabiya mashqlari, koʻnikma harakat faoliyati.

MAKTABGACHA TA'LIM TASHKILOTIDA BOLANING HARAKAT FAOLIGINI OSHIRISHDAGI HARAKATLI O'YINLARNING INNOVASION AXAMIYATI

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Qisqacha mazmuni: Harakatli oʻyinlar bolalarning harakat faoliyati jismoniy rivojlanishiga, harakat koʻnikmalari va jismoniy sifatlarning shakllanishida yuqori samara berishi boʻyicha ma'lumotlar keltirilgan.

Kalit soʻzlar: Harakatli oʻyinlar, jismoniy chiniqtirish, maktabgacha ta'lim qoʻzgʻalish va tormozlanish, kuzatuvchanlik, topqirlik, atrof-muxitda moʻljal olish qobiliyati, botirlik, chaqqonlik.

JISMONIY TARBIYA DARSLARIDA TALABALARNING JISMONIY SIFATLARINI RIVOJLANTIRISHDA HARAKATLI VA ESTAFETALI O'YINLARDAN FOYDALANISH

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Qisqacha mazmuni: Ushbu maqolada aholini jismoniy tayyorgarligini aniqlash maqsadida tuzilgan normativlar bo'yicha, nomutaxassis yo'nalishi talabalarida jismoniy sifatlarni rivojlantirishda harakatli va estafetali o'yinlardan foydalanish uslublari yoritilgan.

Kalit so'zlar: harakatli va estafetali o'yinlar, jismoniy sifatlari, dars samaradorligi, harakat malakalariga o'rgatish.

Abstract: This article covers the methods of using action and relay games in the development of physical qualities in students of the non-specific direction, according to normatives compiled with the aim of determining the physical fitness of the population.

Keywords: board and estafeties games, physical features, productiveness of the lesson, teaching movement skills.

"XUASTUANIFT"NING O'RGANILISHI VA ASARGA OID QARASHLAR TALQINI

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Qisqacha mazmuni: Maqolada "Xuastuanift" asarining o'rganilishi, asarning tabdili ustida ishlagan olimlarning sa'y-harakatlari haqidagi ma'lumotlar ilmiy tahlil qilindi. "Xuastuanift"ning adabiy qimmatini, mohiyati, badiiyati yuzasidan bildirilgan adabiy qarashlar talqini yuzasidan fikr bildiriladi.

Kalit so'zlar: O'zbek adabiyoti tarixi, "Xuastuanift", moniylik oqimi, "Avesto", Xo'rmuzd, Shmnu, Nasimxon Rahmonov, Qosimjon Sodiqov.

Abstract: The article scientifically analyzes information about the study of the work "Huastuanift" and the efforts of scientists who worked on the translation of the work. Literary judgments about the literary value, essence and artistry of "Huastuanift" are interpreted.

Keywords: History of Uzbek literature, "Huastuanift", cash flow, "Avesta", Ormuzd, Shmnu, Nasimkhan Rakhmonov, Kasymjon Sadykov.

TA'LIM DOIRASIDAGI INTERDISIPLINAR TA'LIM-TARBIYA USULLARI

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Qisqacha mazmuni: Ushbu maqola ta'lim jarayonida yangi metod va texnologik usullar va ulardan samarali foydalanish, fanlararo tadqiqotlar, ijodiy yechimlar va yangi istiqbollarni topish uchun fan sohalarini birlashtirish, Fanlararo ta'lim yo'nalishi talabalarga o'z qiziqishlariga muvofiq darajani moslashtirish imkonini berishi hususida so'z boradi.

Kalit so'zlar: ta'lim- tarbiya, interdisiplinar usullar, fanlararo hamkorlik. Zamonaviy yondashuv, pedagogik tajriba.

Abstract: This article is about new methods and technological methods in the educational process and their effective use, interdisciplinarity, bringing together disciplines to find creative solutions and new perspectives, and how interdisciplinary courses can help students adapt their degree to their practice.

Keywords: education, interdisciplinary methods, interdisciplinary cooperation. Modern approach, pedagogical experience.

“QISAS UL-ANBIYO” DAGI LUQMONI HAKIM QISSASI TAHLILI

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Qisqacha mazmuni: Luqmoni hakim, qissa, siyrat, o'zbek adabiyoti, tahli, tahqiq, anbiyo, nabiy, hakim, mutafakkir, mufassir, matn, tadqiq, matal, rahnamo, tavsif.

Kalit so'zlar: Luqmoni hakim, qissa, siyrat, o'zbek adabiyoti, tahli, tahqiq, anbiyo, nabiy, hakim, mutafakkir, mufassir, matn, tadqiq, matal, rahnamo, tavsif.

MAKTABGACHA TA'LIM TASHKILOTLARIDA DIDAKTIK O'YINLARNING AHAMIYATI VA SHAKLLARI.

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Qisqacha mazmuni: Ushbu maqolada maktabgacha ta'lim tashkilotlarida didaktik o'yinlarning ahamiyati va shakllari haqida so'z boradi.

Kalit so'zlar: Didaktik o'yinlar, ta'lim jarayoni, maktabgacha ta'lim, o'yin turlari

TA'LIM SAMARADORLIGINI OSHIRISHDA BOSHLANG'ICH SINIF TARBIYA DARSINING O'ZIGA XOS XUSUSIYATLARI

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Qisqacha mazmuni: Ushbu maqolada tarbiya darsining olib borish tartibi, samaradorligini oshirish yo'llari haqida bo'lib, boshlang'ich sinf tarbiya darsining ta'lim samaradorligini oshirishda o'quvchilarning berilgan topshiriqlarni

bajarilishini kuzatish va nazorat qilib borish va o'quvchilarni mavzuni o'zlashtirish uchun bir nechta tavsiya etilgan usullar samaradorligining ahamiyati tushuntirib o'tilgan.

Abstract: This article is about the procedure for conducting the educational lesson, ways to improve its effectiveness, and to monitor and control the performance of the assigned tasks by the students in order to improve the educational efficiency of the elementary education lesson, and to help the students master the subject. The significance of the effectiveness of several recommended methods is explained.

BOSHLANG'ICH SINIF O'QUVCHILARINING TA'LIM SAMARADORLIGINI OSHIRISHDA MARKAZIY OSIYO MUTAFAKKIRLARNING PEDAGOGIK QARASHLARI

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Qisqacha mazmuni: Boshlang'ich sinf o'quvchilarini tarbiyalash murakkab va ko'p qirrali jarayon. Yoshlarni har tomonlama ham aqlan, ham jismonan barkamol, axloqan yetuk, ma'naviy pok qilib tarbiyalash shu kunning muxim va dolzarb muammolaridan biriga aylanib qoldiki, bu davr va bugungi turmushimizning taqozosidir. Ushbu maqolada mutafakkirlarimizning pedagogik qarashlari bayon etilgan.

Abstract: The upbringing of younger students is a complex and multifaceted process. The upbringing of youth mentally and physically perfect, morally mature, spiritually pure has become one of the most important and urgent problems of our time, which is a requirement of this era and our modern life. This article describes the pedagogical views of our thinkers.

BOSHLANG'ICH SINIF O'QUVCHILARINING IQTIDORINI ERTA ANIQLASH VA RIVOJLANTIRISH UCHUN "ZUKKO BOLAJON" KURSLARI

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Qisqacha mazmuni: ushbu maqolada boshlang'ich sinf o'quvchilarining iqtidorini erta aniqlash va uning ahamiyati, boshlang'ich sinf o'quvchilarining iqtidorini erta aniqlashda mavjud muammolar va uning yechimi sifatida "Zukko bolajon" kurslari haqida bayon etilgan. Shuningdek, boshlang'ich sinf o'quvchilarining iqtidorini erta aniqlash va rivojlantirishning kutilayotgan natijalari haqida atroflicha fikr yuritilgan.

Kalit so'zlar: iqtidorni aniqlash, "Zukko bolajon" kurslari, kutilayotgan

natijalar.

Abstract: this article describes the early identification of the talent of primary school students and its importance, the existing problems in the early identification of the talent of primary school students, and the “_Smart kid “ courses as a solution. Also, the expected results of early identification and development of the talent of primary school students were discussed in detail.

Keywords: identification of talent, “Smart kid” courses, expected results.

UMUMTA'LIM MAKTABLARINING BO'LAJAK MUSIQA O'QITUVCHILARINI TAYYORLASH: MUAMMO VA YECHIMLAR

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Yulyaxshiev Sherali Narzullaevich, *o'qituvchi, Guliston davlat universiteti*

Abstract: Today, the training of a music teacher at the level of modern requirements is the most urgent task for higher education. This article is written about the problem of training future bachelors for general education schools and its solutions.

Keywords: young generation, education, upbringing, Abu-Nasr Al Farabi, Abu Ali Ibn Sina, Alisher Navai, concept, listening to music, singing as a group, musical literacy, playing children's musical instruments, performing rhythmic movements, musical creativity, USA, Japan, Hungary, Bulgaria, Czech Republic.

TA'LIM JARAYONINI TASHKIL ETIISHDAO'QITUVCHI KOMPETENTLIGIGA QO'YILADIGAN PEDAGOGIK TALABLAR

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Qisqacha mazmuni: “Kompetentsiya” atamasi keng ma'noda umumiy masalalarni hal etishda amaliy tajribalar asosida bilim va malakalarni qo'llash, muvaffaqiyatli harakat qilish qobiliyatini bildiradi. Lotincha “campetere” – muvofiq bo'lmoq so'zidan kelib chiqqan. Hozirgi kunda “kompetentsiya” atamasi turli sohalarida qo'llaniladi: huquqshunoslik, tilshunoslik, madaniyat sohalarida, shuningdek tashkilot, muassasaning muhim kompetentsiyalari. Lekin bizni boshqarish nuqtai nazaridan “kompetentsiya” atamasi qiziqtiradi, shuning uchun o'qituvchining kasbiy kompetentsiyasi haqida fikr yuritimiz.

Kalit so'zlar: Kompetentsiya, malaka, stress, komanda, tashabbuskorlik, layoqatlilik, kreativlilik, kompeten, kuzatuvchanlik, tashkilotchilik, nutq, omil, muloqat.

Abstract: The term “competence” in a broad sense means the ability to apply knowledge and skills based on practical experience and act successfully in solving common problems. It comes from the Latin word “campetere” - to be compatible. Nowadays, the term “competence” is used in various fields: jurisprudence, linguistics,

culture, as well as important competencies of an organization, an institution. But we are interested in the term “competence” from the point of view of management, so we think about the teacher’s professional competence.

Keywords: Competence, skill, stress, team, initiative, ability, creativity, competent, observation, organization, speech, factor, communication.

“UZTURKFRAZ” PARALLEL KORPUSINI SHAKLLANTIRISH BOSQICHLARI

Shaxribon Musurmankulova, *Guliston davlat universiteti doktoranti*

Qisqacha mazmuni: Maqolada o‘zbek va turk tillaridagi frazemalar parallel korpusi ma’lumotlar bazasini shakllantirish bosqichlari tavsiflangan. Bosqichlarda amalga oshiriladigan jarayonlar izohlangan. Matnni qayta ishlash, skanerlash, tahrirlash, razmetkalash bosqichlari tahlil qilingan. Avtomatik tarjima jarayonida barqaror birikmalar, frazemalar tarjimasi bilan bog‘liq muammolar yoritilgan. O‘zbek-turk parallel korpusining ilmiy tadqiqotlarni amalga oshirish, avtomatik tarjima, milliy korpus va ta’lim korpuslarini shakllantirishdagi o‘rni ko‘rsatib berilgan.

Kalit so‘zlar: uzturkfraz, korpus, parallel korpus, o‘zbek-turk parallel korpusi, o‘zbek-turk frazemalari parallel korpusi, korpusni shakllantirish bosqichlari, matnni qayta ishlash, tahrirlash, analiz, grafematik analiz, razmetkalash, teglash, qidiruv tizimi, konkordans.

STEPS OF FORMING THE PARALLEL CORPUS “UZTURKFRAZ”

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Abstract: The article the stages of forming a database of a parallel corpus of phrases in Uzbek and Turkish are described. The processes performed in stages are described. The stages of text processing, scanning, editing, and markup are analyzed. In the process of automatic translation, the problems associated with the translation of stable combinations, phrases are highlighted. The role of the Uzbek-Turkish parallel corps in the implementation of scientific research, automatic translation, the formation of the National Corps and the academic corps is indicated.

Keywords: uzturkfraz, corpus, parallel corpus, Uzbek-Turkish parallel corpus, Uzbek-Turkish parallel corpus of phrases, corpus formation stages, text processing, editing, analysis, graphematic analysis, markup, tags, search engine, concordance.

O'ZBEK-TURK FRAZEMALARINING PARALLEL KORPUSINI SHAKLLANTIRISHDA ALISHER NAVOIY VA ZAHIRIDDIN MUHAMMAD BOBUR IJODIDAGI FRAZEMALARNING O'RNI

Shaxribon Musurmankulova, *Guliston davlat universiteti*

Qisqacha mazmuni: Maqolada barqaror birikmalar, frazemalarning olam manzarasini, til sohibi dunyoqarashi, madaniy xususiyatlarini ifodalashdagi o'rni, Alisher Navoiy va Z.M.Boburning so'z, frazemalar ma'nolarini anglashdagi va keng yoyishdagi mahorati haqida so'z boradi. Maqolada Alisher Navoiy va Z.M.Bobur ijodida umumxalq frazemalari bilan bir qatorda muallif mahorati bilan belgilanuvchi okkazional iboralar qo'llangani misollar asosida ko'rsatilgan. Frazemalarning eski o'zbek tiliga xos ma'nolari tahlil etilgan. Navoiy va Bobur ijodiga xos frazemalarning eski o'zbek tili sohiblari lisoniy ongidagi idroki, bahosi bilan aloqadorligi yoritilgan. O'zbek-turk frazemalari korpusining Navoiy va Bobur frazemalarini tadqiq qilishda va ommalashtirishda amaliy ahamiyatga ega ekanligi ta'kidlangan.

Kalit so'zlar: barqaror birikmalar, olam manzarasi, lisoniy ong, tafakkur, idrok, frazemalar, o'zbek-turk frazemalari parallel korpus, ma'lumotlar bazasi, okkazional iboralar, eski o'zbek tili.

THE ROLE OF PHRASES IN THE CREATION OF ALISHER NAVOIY AND ZAHIRIDDIN MUHAMMAD BABUR IN THE FORMATION OF A PARALLEL CORPUS OF UZBEK-TURKISH PHRASES

Shaxribon Musurmankulova, *Guliston davlat universiteti*

Abstract: The article talks about stable combinations, the role of idioms in expressing the world view, the worldview of the language owner, cultural characteristics, Alisher Navoi and Z.M. Babur's skill in understanding and spreading the meaning of words and idioms. In the article, it is shown on the basis of examples that Alisher Navoi and Z.M. Babur use occasional expressions determined by the author's skill along with universal phrases. The meanings of idioms specific to the old Uzbek language are analyzed. The relationship between the phrases characteristic of Navoi and Babur's work with the perception and evaluation of the old Uzbek language speakers is highlighted. It is emphasized that the corpus of Uzbek-Turkish phrasemes is of practical importance in the research and popularization of Navoi and Babur phrasemes.

Keywords: permanent association, picture of the world, language perception, thinking, perception, phraseology, Uzbek-Turkish phraseology parallel corpus, database, occasional expression, old uzbek-language.

УЛУЧШЕНИЯ КОНКУРЕНТОСПОСОБНОСТИ ПРОДУКТОВ ХЛОПКОВОЙ ПРОМЫШЛЕННОСТИ ПРИ МОДИФИКАЦИИ

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Abstract: This article discusses the effect of polymer compositions on the physical and mechanical properties of natural fibers; the improvement of the competitiveness of cellulose-containing fibers of a modified polymer composition based on polyethylene glycol and sericin is studied. The study of the treatment with water-soluble compositions leads to an improvement in the properties of cellulose fibers and is proposed for their use in the cotton spinning process. The physico-mechanical properties and the elimination of the disadvantages of modified cotton fiber with a polymer composition have been studied.

Keywords: physical and mechanical properties of fiber, sericin, polyethylene glycol, modification, cellulose-containing fibers, polymer composition.

Аннотация: В данной статье рассмотрено влияние полимерных композиций на физико-механические свойства натуральных волокон; исследуется повышение конкурентоспособности целлюлозосодержащих волокон модифицированной полимерной композиции на основе полиэтиленгликоля и серицина. Изучение обработки водорастворимыми композициями приводит к улучшению свойств целлюлозных волокон и предлагается их использование в процессе хлопкопрядения. Исследованы физико-механические свойства и устранение недостатков модифицированного хлопкового волокна полимерной композицией.

Ключевые слова: физико-механические свойства волокна, серицин, полиэтиленгликоль, модификация, целлюлозосодержащие волокна, полимерная композиция.

PRESUPPOZITSIYANING MAQOLSARLAVHALAR FODALANISHI VA PRAGMATIK IMKONIYATLARI

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Qisqacha mazmuni: Mazkur maqolada publitsistik matnlarda sarlavha sifatida qo'llanilgan xalq maqollarining pragmatik imkoniyatlari, ularda presuppozitsiyaning ifodalanishi masalasiga to'xtalib o'tilgan. Zero presuppozitsiya masalasi, ularning turlari tilshunoslikda o'rganilishi lozim bo'lgan masalalardan biri hisoblanadi. Shunday ekan xalq maqollarining tildagi imkoniyatlar semantik, stilistik va pragmatik jihatdan tahlilga tortildi.

Kalit so'zlar: maqollar, semantika, stilistika, pragmatika, presuppozitsiya, maqol sarlavha, struktura.

FEATURES OF LEARNING ENGLISH FOR CHILDREN PRESCHOOL AGE

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Abstract: The relevance of early learning a foreign language is dictated by the needs of society. The progressive development of society in recent years has aroused great interest in a foreign language, which in turn necessitates teaching preschool children a foreign language. You just need to choose the age that is most favorable for starting training. The number of English learners is only growing every year. Proficiency in English is essential in almost every area of society. When applying for a job, knowledge of English is one of the first places on the list of requirements. For this reason, the age of students also changes.

Keywords: Methodology, English, educational games, pedagogy, preschool education.

XORIY TIL TA'LIMIDA KOMPETENSIYA VA KOMPETENTLIKNING AMALIY AHAMIYATI

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Qisqacha mazmuni: Maqolada xorijiy tillarni o'qitishda kompetensiyaviy yondashuvni joriy qilishning amaliy ahamiyati haqida so'z boradi. Shuningdek, kompetensiya va kompetentlik tushunchalarining farqi ko'rib o'tilgan.

Kalit so'zlar: til ta'limi, modernizatsiya, innovatsiya, texnologiya, metod, kompetensiya, kompetentlik, kommunikativ, komponent

Ona Tiliga (Davlat Tiliga) E'tibor – Kelajakka E'tibor

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Guliston davlat universiteti, O'zbek tilshunosligi kafedrasida o'qituvchisi,

Qisqacha mazmuni: Ushbu maqolada tilshunoslik fanining inson hayotida tutgan o'rni haqida, ona tili qunun-qoidalariga rioya qilish haqida, davlat tilining ijtimoiy muammolari va kelajak-istiqboli haqida so'z boradi.

Kalit so'zlar: davlat tili, ona tili, til muammolari, til muhiti, globallashuv, o'qitish tili, umummilliy madaniyat

Abstract: This article talks about the role of linguistics in human life, about observing the rules of the mother tongue, about the social problems and future prospects of the state language.

Keywords: state language, mother tongue, language problems, language environment, globalization, teaching language, national culture

MAKTABLARDA GLOBALLASHUV SHAROITIDA URF-ODAT AN'ANALAR VA MAFKURAVIY TARBIYA UYG'UNLIGI

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Qisqacha mazmuni: Ushbu makolada yoshlarni ta'lim tarbiya jarayonida milliy urf odatlar, an'analar, milliy udumlarimiz asosida tarbiyalash yo'llari kursatib o'tilgan.

Kalit so'zlar: ta'lim, tarbiya, maktab, metod, mafkura, odat, yoshlar

Abstract: This article shows ways to educate young people in the process of education based on national customs, traditions, and national traditions.

Keywords: education, training, school, method, outlook, habit, youth

INGLIZ VA O'ZBEK TILIDAGI FRAZEOLOGIK BIRLIKLARNING TARJIMA NAZARIYASI

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Abstract: Ushbu maqolada frazeologik birliklar haqida ma'lumot berilgan bo'lib, olimlarning mazkur mavzu doirasida olib borgan tadqiqotlari ham yoritilgan. Eng muhimi, tahlillar bilan ingliz va o'zbek tilidagi frazeologizmlarning tarjima taraqqiyoti xususida ham so'z yuritilgan.

Keywords: frazeologizm, sotsiolingvistika, til, lug'at, Sharl Balli, A.V.Kunin, ko'chma ma'no, komponentlar, leksik, kommunikativ.

THE BASICS OF TEACHING FOREIGN LANGUAGES FOR SPECIFIC PURPOSES

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Abstract: The goal of the current article is to comprehend, analyze, and offer a comprehensive understanding of the fundamental elements of English for Specific Purposes, including its definition, scope, historical context, traits, varieties, and goals. Additionally, it covers the goals of ESP instruction, the job of an ESP teacher and how to become one, the function of an ESP course, and an ESP program. We perceive a clear justification for finally agreeing that ESP is the teaching of English to students who have specified aims and purposes, such as professional, academic, or scientific, among the variety of opposing perspectives on ESP policy. The essay examines the primary responsibilities and tasks of foreign language instructors in order to serve particular ends. It describes the general duties and obligations of higher education instructors whose work is multifaceted and multifunctional; it also

examines ESP programs and their unique characteristics.

GEOMETRIYA FANINI MUSTAQIL O'RGANISHDA ZAMONAVIY MUAMMOLAR VA ULARNING YECHIMLARI

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O'qituvchi, Toshkent Davlat Pedagogika universiteti,

Qisqacha mazmuni: Maqolada oliy ta'lim tashkiloti talabalarining geometriya fanini "umumiy topologiya" bo'limi o'quv mashg'ulotlarini mustaqil o'zlashtirishlarida zamonaviy muammolar va ularning yechimlari bo'yicha qisqacha tavsiyalar berib o'tildi.

Kalit so'zlar: Mustaqil ta'lim, zamonaviy pedagogik texnologiya, axborot, ilmiy va ijodiy izlanishlar, ilmiy natija.

O'ZBEK TILSHUNOSLIGIDA TILGA SISTEMA SIFATIDA YONDASHUV

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Qisqacha mazmuni: Ushbu maqolada o'zbek tiliga sistemaviy yondoshuvning tarixan shakllanganligi va hozirgi o'zbek adabiy tilida tilga sistemaviy yondoshuvlarning olimlar tarafidan rivojlantirilayotganligi, sistem-struktur tilshunoslik bo'yicha olib borilayotgan ilmiy tadqiqotlar bo'yicha mulohazalar o'rin olgan.

Kalit so'zlar: struktura, sistema, lison, nutq, tasnif, til birliklari, nutq birliklari.

Abstract: In this article, there are comments on the historical formation of the systematic approach to the Uzbek language and the development of systematic approaches to the language in the current Uzbek literary language by scientists, as well as the scientific researches conducted in the field of systemic-structural linguistics.

Keywords: structure, system, language, speech, classification, language units, speech units.

TASVIRIY SAN'AT VA FIZIOGNOMIKA FANLARINING INTEGRATSIYASI. PORTRET JARNI MISOLIDA

Babadjanov Axmadjan Xudoyberdiyevich

"Tasviriy san'at va muhandislik grafikasi" kafedrasida katta o'qituvchisi, Guliston davlat universiteti

Qisqacha mazmuni: maqolada bo'lajak tasviriy san'at o'qituvchisi qalamtasvir fani bo'yicha portret tasvirlashning yuqori darajali texnik bilimlarni

egallashdan tashqari, psixologiya sohasida ham yetarli ma'lumotga ega bo'lish kerakligi, buning uchun barcha fanlar qatori fiziognomikani ham chuqur egallash kerakligi to'g'risida fikr yuritilgan.

Kalit so'zlar: tasviriy san'at, tasavvur, surat, siyrat, psixologiya, fiziognomika, etnopsixologiya, iridodiagnostika, dermatoglyfika.

Abstract: in the article, the future teacher of fine arts must have sufficient knowledge in the field of psychology, in addition to acquiring technical knowledge of a high level of portraiture on the subject of pencil drawing, for this physiognomy must be thoroughly mastered along with all other disciplines.

Keywords: fine arts, imagination, photography, poetry, psychology, physiognomy, ethnopsychology, iridology, dermatoglyphics.

KITOBAT SAN'ATINING NAVOIY IJODIDA QO'LLANILISHI

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Qisqacha mazmuni: Mazkur maqolada arab-fors yozuviga xos bo'lgan kitobat san'ati, Navoiy qo'llagan harfiy san'atlarni uch xil tasnifi, kitobat san'atining so'z yasashdagi faolligi haqida fikr yuritiladi va harfiy san'at qo'llanilgan so'z ma'nolari tahlilga tortiladi.

Kalit so'zlar: kitobat san'ati, tasnifi, a'zo-uzvlar, poetik, obraz, usul, muvofiq, mo'jiza, obrazlilik, xat san'ati, zulfi, hilol, qadriyat, tashbeh, tug', giriftor, iztirob, tuzluk, karam

Abstract: This article discusses the art of calligraphy characteristic of Arabic-Persian writing, three classifications of the literary arts used by Navoi, the activity of the art of calligraphy in the creation of words, and the use of literary arts. Their meanings are analyzed.

Keywords: art of literature, classification, organs, poetic, image, method, conformity, miracle, figurativeness, art of calligraphy, zulfi, crescent, value, allusion, birth, griftor, anguish, salt, cabbage

SINONIMIK QATOR VA POETIK LEKSIKA MASALASI

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Qisqacha mazmuni: Mazkur maqolada tilning imkoniyatlarini, mukammalligini ko'rsatuvchi she'riy nutqda poetiklik masalasi, poetiklikni ta'minlovchi vositalar sirasiga kiruvchi so'zlarning – poetik leksikaning o'rni va ahamiyati, ularning sinonimik qatorda ifodalanishi masalalariga to'xtalib o'tildi.

Kalit so'zlar: poetik leksika, poetiklik, sinonim, poetik tushuncha, emotsionallik, leksema.

Abstract: This article touched on the issue of poeticism in poetic speech, indicating the possibilities of language, perfection, the role and importance of words

that fall into the ranks of the means of ensuring poeticism – poetic lexicon, their expression in a synonymic row.

Keywords: poetic lexicon, poeticism, synonymy, poetic understanding, emotionality, lexeme.

O'zbek Animatsion Filmlarini Dramatik Modellari

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Guliston davlat Universiteti o'qituvchisi,

Qisqacha mazmuni: Bugungi kunda ishdayotgan ko'plam film va animatsion filmlarda asosan dramatik kamchiliklar uchramaydi deb ayta olmaymiz. Shu kabi xolatlarining oldiniolish va atroflicha o'rganilgan fikr va mulohazalar haqida keltirilgan.

Tayanch so'zlar: Animatsiya, Drammaturgiya, instsenirovka, teatr

O'ZBEK TILIDA XUSUSIY BIRIKUVCHANLIKNING FE'L SO'Z TURKUMIDA IFODALANISHI IN UZBEK LANGUAGE, THE EXPRESSION OF SPECIAL CONJUGATION IN THE VERB GROUP

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Abstract: Almost all additions in the modern Uzbek literary language have been studied for several centuries. However, suffixes that express the manner of action in verbs have not been thoroughly and seriously studied in Turkology. This is explained by some scientists with the comments that there are few such additions, or that they do not always express the continuity, repetition, strength or weakness, fragmentation or division of the action. In our opinion, although there are few adverbs expressing the characteristics of action, it is necessary to study this type of adverbs more deeply, taking into account the uniqueness of their meaning and use. The existence of such a necessity not only in the linguistics of Uzbek, but also in the linguistics of the neighboring Turkic peoples is expressed in the works of famous Turkologists such as Academician A.N.Kononov and E.V.Sevortyan.

Keywords: morphological system, linguistic analysis, word category, grammatical category, system, noun, verb, adjectival, articular, pronoun, auxiliary, fluent, connecting.

SUIDSIDAL HULQ-ATVORNI VUJUDGA KELISHINI OCHIB BERUVCHI OMILLARNING PSIXOLOGIK NAZARIYALARDAGI TALQINI

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Qisqacha mazmuni: XX asrda Globallashuv nihoyatda tez suratlarda o'sib bormoqda. Bunday jadallashuv, information axborotlar dunyo hamjamiyatida tarqalish tezligi insonning psixologik holatiga kuchli tasir qiladi. Hozirgi kunda dunyo hamjamiyatini oldidagi katta muammolardan biri bu o'z joniga qasd qilish hisoblanadi. Biz buni Jahon Sog'liqni Saqlash Tashkilot WHOning quyidagi statistik malumotlatidan bilib olsak bo'ladi. Hozirgi kunda dunyoda har 100000 odamdan o'rtacha 16-17 odam o'z joniga qasd qilish kuzatiladi va bu har 40 sekundda bitta odamning hayoti zavolga yuz tutayotgani aniqlandi. O'z joniga qasd qilishning eng asosiy tashvishli hatakeri bu uning jadal suradda o'sib borayotgani hisoblanadi. O'z joniga qasd qilishninng jadallashni biz o'tgan 45 yil ichda 60% ga o'sganligi uning bundan keying holati bundanda tezlashishi mumkinligidan darak berdi.

Kalitso'z: Globalizatsiya, suitsid, psixoanaliz, assotsatsiyasi, autodestruktsiya, Ego, id, super ego, struktura, instinct, Instinktual buzilish, sadism, deviant hulq, stress, depressiya, individual mexanizm, psixoterapevt, affektiv, individual.

Abstract: In the 20th century, Globalization is growing extremely fast. Such acceleration, the speed of information dissemination in the world community strongly affects the psychological state of a person. One of the big problems facing the world community today is suicide. We can learn this from the following statistics of the World Health Organization WHO. Currently, there is an average of 16-17 suicides out of every 100,000 people in the world, and it has been found that one person's life ends every 40 seconds. The main concern of suicide is that it is increasing rapidly. The fact that the rate of suicide has increased by 60% in the past 45 years has indicated that it may continue to accelerate.

Keywords: Globalization, suicide, psychoanalysis, association, autodestruction, Ego, id, super ego, structure, instinct, Instinctive disorder, sadism, deviant behavior, stress, depression, individual mechanism, psychotherapist, affective, individual.

LUG'ATLARDA XALQARO YURIDIK TERMINLARNI MILLIYLASHTIRISH MASALASI

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Qisqacha mazmuni: Terminologik lug'atlar har qanday bilim sohasini egallashda alifbo vazifasini bajaradi. Ayniqsa mutaxassis sifatida shakllanish sohaga oid terminlarni bilish bilan chambarchas bog'liq. Ushbu maqolada yurisprudensiya sohasi oliy ta'lim muassasalarida sohaga doir lug'atlarda berilgan internatsional

terminlar tahlil qilindi. Tilning sofligini saqlash yo'lidagi muhim choralardan biri sifatida terminlarni milliyashtirish masalasining ahamiyati ko'rib chiqildi. Huquqshunoslik yo'nalishi talabalari uchun yaratilgan lug'atlar va ularda berilgan baynalmilal terminlar asosida terminlarni milliyashtirish bo'yicha ilmiy-nazariy fikr-mulohazalar va amaliy tavsiyalar berildi. Muayyan internatsional terminologik birliklarning o'zbekcha muqobili keltirildi. Baynalmilal terminlarning umumiy xususiyatlari, termin anglatadigan tushunchani ifodalay olish darajasi yoritildi.

Kalit so'zlar: baynalmilal terminlar, milliy til xususiyatlari, terminlarning milliyashtirilishi, interpretatsiya, analog, terminografik birlik, sohaga doir lug'atlar.

Abstract: Terminological dictionaries play the role of the alphabet in the acquisition of any field of knowledge. In particular, the process of becoming an expert is closely linked to the knowledge of terms related to the field. This article analyzes the international terms given in the dictionaries of the field of jurisprudence in higher education institutions. The importance of nationalization of terms was considered as one of the important measures to preserve the purity of language. Scientific-theoretical opinions and practical recommendations on the nationalization of terms were given on the basis of dictionaries created for law students and the international terms given in them. The Uzbek alternative of certain international terminological units are given.

Keywords: international terms, features of national language, nationalization of terms, interpretation, analog, terminological unit, dictionaries on the field.

USING QUESTIONS IN STRUCTURED STAGED MODEL OF TEXT FORMATION (AS AN EXAMPLE OF UZBEK SPEAKERS)

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Abstract: In this article, it is described the use of interrogative pronouns in the study of a foreign languages by the model of the four-staged system of text formation (FSSTF) and the structures of dialogues and monologues via the questions. It is also, discussed about strengthening learners' skills on language aspects as well as composing interrogative sentences in a particular direction. Thus, ways to easily assimilate for the learners' language materials independently, using the questions effectively in four-staged system model of text formation in correct and fluent speech is one of the fruitful strategy. It is also beneficial for the learners' communicative literacy, oral and written communication in the language of language learners. In the study of foreign languages, the tasks should be free from excessive complexity, easy to learn, not to cause unnecessary difficulties, to master the topic quickly, to master the quick ways and apply it in speech practice.

Keywords: text, model, method, speech, component, word, stage, process, grammar, form.

THE IMPORTANCE OF INFORMATION AND NEW PEDAGOGICAL TECHNOLOGIES IN THE DEVELOPMENT OF THE YOUNG GENERATION IN THE INFORMATION SOCIETY SYSTEM IN THE DEVELOPMENT OF THE CIVILIZATION OF UZBEKISTAN

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Abstract: the achievement of the state independence of the Republic of Uzbekistan and the choice of a specific path of economic and social development made it an urgent task to reorganize the structure and content of education. In the modern information society, the study of pedagogical sciences is a national problem. This article discusses the importance of information and new pedagogical technologies in the education system of an informed society in the development of the independent Republic of Uzbekistan and what needs to be done in the education system in this area today.

Keywords: action strategy, law on education, national curriculum, informatics and information technology, teachers, higher and secondary specialized education, higher education, spirituality and morality, scientific and intellectual heritage, modern knowledge, self-improvement, education.

THE ROLE OF MOTIVATION IN LEARNING FOREIGN LANGUAGE

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Abstract: This paper analyzes the part of inspiration in dialect learning, particularly outside dialect securing. It compares two distinctive subjects who are learning English however they have different foundation of family, dialect learning involvement, and interface. They were given pre-, post-tests to affirm their information; additionally, they were met to know how they are empowered to memorize a dialect. The paper shows the significance of inherent inspiration for moment dialect learners.

Keywords: language skills, motivation, knowledge, demotivation, intrinsic motivation.

УРАВНЕНИЕ КРИВОЙ УСТАЛОСТИ И РАЗРУШЕНИЕ СТАЛЕЙ

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Аннотация: В статье приведены особенности циклического нагружения деталей хлопкоочистительных машин и рассмотрены различные типы кривых выносливости. Получено уравнение кривой усталости на основе схематизированной диаграммы циклического деформирования с линейным упрочнением.

Ключевые слова: циклическое нагружение, предел выносливости, кривая усталости, разрушение, упрочнение, цикл, модуль упругости, напряжение.

ЭФФЕКТИВНОСТЬ ДРОБЕУДАРНОГО УПРОЧНЕНИЯ ДЕТАЛЕЙ ВОЛКНООТДЕЛИТЕЛЬНЫХ МАШИН

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Аннотация: В статье приведены материалы по оптимизации динамического упрочнения дробью чугуновых колосников волокноотделительных машин с учетом специфических свойств чугуна: малая прочность и ударная вязкость, хрупкость и низкое значение модуля упругости.

Ключевые слова: колосник, чугун, дробеударная обработка, динамическое упрочнение, пластический отпечаток, глубина наклепа, кинетическая энергия

CHET TILLARNI O'QITISH JARAYONIDA CASE-STUDY METHODIDAN FOYDALANISH SAMARADORLIGI

Hakimova Shoxista Raimovna, katta o'qituvchi, Guliston davlat universiteti

Qisqacha mazmuni: Hozirgi zamonaviy globallashuv davrida talabalar chet tillarni bilishi va tillarni egallashdan manfaatdor. Chet tillarni o'rgatishning samarali

metodlaridan biri bu case-study – muammoli o‘qitish jarayoni hisoblanadi. Oliy ta’limga quyilgan maqsadga qarab o‘qitishning muammoli va muammosiz bo‘lishi mumkin, agarda ta’lim muassasi oldiga qo‘yilgan maqsad tinglovchilarda ularning farqlari va ijodiy qobiliyatlarini rivojlantirishga qaratilgan bo‘lsa u holda o‘qitish muammoli bo‘lmasdan an’anaviy bo‘ladi. Muammolilik bilishning qonuniyati sifatida, uni o‘qitishdagi o‘rnini aniqlash didaktikasi hisoblanadi.

Kalit so‘zlar: case-study, ijodiy ko‘nikma, axborot-reproduktiv, axborot-evristik.

METHODOLOGY OF IMPLEMENTATION OF PEDAGOGICAL CONDITIONS OF FORMATION OF PROFESSIONAL-GNOSTIC COMPETENCE

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Abstract: This article provides information about the pedagogical conditions for the formation of the professional-gnostic competence of the future English teacher and its implementation, as well as a detailed analysis of the integrated professional-gnostic competence. Besides, the method of formation of professional-gnostic competence of future teachers is also discussed.

Keywords: formation of professional-gnostic competence, development of pedagogical conditions, gnostic-competent approach, systematicity, integrity, integrated competences.

Organization Of Independent Study Through Web Quest Technology

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Abstract: The following article is devoted to the actual problem of using information and communication technologies in independent educational activities of students studying a foreign language. The article considers the use of the web quest as a form of organizing independent work, which serves to form creative cognitive activity and independence of students, skills of analysis, synthesis and critical evaluation.

Keywords: independent work, web quest, foreign language, information and communication technologies.

BUGUNGI TA'LIM TIZIMIDA XALQARO BAHOLASH DASTURLARINING AHAMIYATI

Xaqberdiyeva Hilola Abdusayid qizi

GulDU Sitqi bo'lim, masofaviy ta'lim, kafedراسi o'qituvchisi

Qisqacha mazmuni: Ushbu maqolada xalqaro baholash tadqiqot dasturlarining ahamiyati, hamda o'quvchilarning kreativ fikrlashni baholashning kompetensiyaviy modellari va o'ziga xos jihatlari haqida ma'lumotlar keltirilgan.

Kalit so'zlar: ta'lim, tarbiya, maktab, metod, mafkura, odat, yoshlar

Abstract: This article provides information on the importance of international assessment research programs, as well as competency models and specifics for assessing students' creative thinking.

Keywords: education, training, school, method, outlook, habit, youth

JADIDCHILIK HARAKATIDA TIL, YOZUV VA IMLO MUAMMOLARI

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Qisqacha mazmuni: Mazkur maqolada o'tgan asrning boshlarida til va imlo muammolarini isloh qilinishi, lotin alifbosiga asoslangan yangi o'zbek alifbosiga o'tilishi, unda jadidchilarning sa'y-harakatlari, yozuvimizning qatag'on qilinishi, krill alifbosiga o'tilishi hamda qo'shalifbolikning oqibatlari haqidagi masalalar yuzasidan fikr yuritiladi; imlo qoidalarining ishlab chiqilishi hamda darslik-saboqliklarda tutgan o'rniga baho beriladi.

Kalit so'zlar: harf, til, imlo, yozuv, lotin alifbosi, yangi o'zbek alifbosi, qo'shalifbo, jadid, saboqlik, darslik.

Abstract: This article examines the issues of reforming the language and spelling at the beginning of the last century, the transition to a new Uzbek alphabet based on the Latin alphabet, the efforts of the Jadids, repression against our writing, the transition to the Krill alphabet and the consequences of bilingualism; spelling rules are developed and grades are given instead of grades in textbooks.given.

Keywords: letter, language, spelling, letter, Latin alphabet, new Uzbek alphabet, double alphabet, Jadid, lesson, textbook.

BO'LAJAK CHET TILI O'QITUVCHILARINING KASBIY KOMPETENSIYASINI SHAKLLANTIRISHNING ASOSIY MEZONLARI

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Qisqacha mazmuni: Maqola bo'lajak chet tili o'qituvchilarining kasbiy kompetensiyasini shakllantirishning asosiy mezonlari, ko'rsatkichlari va darajalari haqida ma'lumot beradi, kasbiy kompetensiyani takomillashtirishning xalqaro tajriba asosida tahlil qiladi. Shuningdek, bo'lajak chet tili mutaxassisining kasbiy faoliyatini optimallashtirish va samaradorligini oshirish va shaxsiy fazilatlarini masalalarini ko'rib chiqadi.

Kalit so'zlar: kompetensiya, kasbiy malaka, kasbiy faoliyat, mezon, ko'rsatkich, daraja, chet tili o'qituvchisi, chet tili muhiti.

Abstract: The article provides information about the main criteria, indicators and levels of the formation of professional competence of future foreign language teachers, analyzes the improvement of professional competence on the basis of international experience. It also considers the issues of optimizing and improving the effectiveness and personal qualities of the professional activity of the future foreign language specialist.

Keywords: competence, professional qualification, professional activity, criterion, indicator, degree, Foreign Language teacher, foreign language environment.

MASAOFAVIY TA'LIMNI TASHKIL QILISHDA LOYIXAGA YO'NALTIRILGAN TA'LIM TEXNOLOGIYALARIDAN FOYDALANISH METODIKASI

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Qisqacha mazmuni: Bugungi kunda masaofaviy ta'limni tashkil qilishda ko'plab ta'lim texnologiyalari va metodlaridan keng foydalanib kelinmoqda. Asosiy maqsad ta'lim samaradorligiga erishish va ta'lim oluvchilarning yuqori bilim va kompetensiyalarini rivojlantirishdan iborat. Loyihaga yo'naltirilgan ta'lim texnologiyalarining asosiy maqsadi ta'lim oluvchilarning amaliy faoliyat ko'rsatishlari va bilimlarini to'g'ridan to'g'ri tadbiiq qilishlaridan iborat.

Kalit so'zlar: masaofaviy ta'limni, ta'lim texnologiyalari, loyihaga yo'naltirilgan ta'lim, loyiha metodi.

Abstract: Today, many educational technologies and methods are widely used in the organization of distance education. The main goal is to achieve educational efficiency and develop high knowledge and competencies of students. The main goal of project-oriented educational technologies is to enable learners to perform practical activities and directly apply their knowledge.

Keywords: distance education, educational technologies, project-oriented education, project method.

SHARQ MUTAFAKKIRLARI TA'LIMOTLARI MAZMUNIDAGI ESTETIK, MA'NAVIY, TARBIYAVIY QADRIYATLARDAN FOYDALANISH NING ZARURIYATI

Jumaboyev Nabi Pardaboyevich

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Qisqacha mazmuni: maqolada Sharq mutafakkirlarining ta'limiy, ilmiy-amaliy, tarbiyaviy g'oyalari, qarashlarini yoshlar ongiga etkazish uchun ularning hayotiy faoliyatlari, boy hayotiy tajribalari, ma'naviy-pedagogik meroslarini taqdim etishda manbalarni mazmuni va mohiyatini tadqiq etish hamda tahliliy natijalari, ulardan zamonaviy sharoitda foydalanish tartiblarini belgilashda metodologik asos vazifasini o'tashi to'g'risida so'z yuritilgan.

Kalit so'zlar: ta'lim-tarbiya, badiiy ta'lim, dunyoqarash, tarbiyaviy qadriyatlar, barkamol shaxs, estetik qarashlar, gnoseologiya.

Abstract: in order to convey to the minds of young people the educational, scientific, practical, educational ideas and views of Eastern thinkers, their life activities, rich life experience, spiritual and pedagogical heritage, the content and essence of sources and analytical results are explored, it is said that it serves as a methodological the basis for determining the order of application in modern conditions.

Keywords: education, art education, worldview, educational values, comprehensively developed personality, aesthetic views, epistemology.

HOW TO RECOGNIZE A LIE: THE MOST VIVID SIGNALS OF DECEPTION + 10 LIAR MISTAKES

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Abstract: Have you lied? I don't lie! And that ... lie. Most people lie at least two, three times a day. It is possible to lie for good, or in a similar way, without realizing it or not. We all lie from time to time. And today in our article we will look at the liar's mistakes and ways to identify them

Keywords: False, unconscious, active, pathological, motivation, mimicry, mask, gestures

СОВРЕМЕННЫЕ ИНФОРМАЦИОННЫЕ И КОММУНИКАЦИОННЫЕ ТЕХНОЛОГИИ: ДИДАКТИЧЕСКИЕ СВОЙСТВА И ФУНКЦИИ

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Аннотация: Рассматриваются дидактические свойства и функции современных информационных и коммуникационных технологий. Автор выделяет следующие свойства: а) многоязычие и поликультурность; б) многоуровневость; в) многожанровость; г) мультимедийность информации; д) гипертекстовая структура документов; е) возможность создания личной зоны пользователя; ж) возможность организации синхронного и асинхронного общения; з) возможность автоматизации процессов информационно-методического обеспечения и организации управления учебной деятельностью обучающихся и ее контроль. Данные функции позволяют значительно обогатить языковую и культурную практику обучающихся, а также создадут условия для развития умений самостоятельной учебной деятельности обучающихся, реализации педагогической технологии обучения в сотрудничестве, разработки индивидуальной образовательной траектории.

Ключевые слова: информатизация образования; информационные и коммуникационные технологии; индивидуальная образовательная траектория; обучение в сотрудничестве; самостоятельная учебная деятельность.

CHET TILINI O'QITISHDA ZAMONAVIY AXBOROT VA KOMMUNIKATIV TEXNOLOGIYALAR: DIDAKTIK XUSUSIYATLARI VA VAZIFALARI

Kamalova D., o'qituvchi, Guliston davlat universiteti,

Qisqacha mazmuni: Ushbu maqolada chet tilini o'qitishda zamonaviy axborot-kommunikatsiya texnologiyalarining didaktik xususiyatlari va funktsiyalari ko'rib chiqiladi. Muallif quyidagi xususiyatlarni aniqlaydi: a) ko'p tilli va ko'p madaniyatli; b) ko'p darajali; v) ko'p janrli; d) multimedia ma'lumotlari; e) hujjatlarning gipermatnli tuzilishi; f) shaxsiy foydalanuvchi zonasini yaratish qobiliyati; g) sinxron va asinxron aloqani tashkil etish imkoniyati; h) axborot-uslubiy ta'minot jarayonlarini avtomatlashtirish va talabalarning o'quv faoliyatini boshqarishni tashkil etish va uni boshqarish imkoniyati. Ushbu funktsiyalar talabalarning lingvistik va madaniy amaliyotini sezilarli darajada boyitadi, shuningdek talabalarning mustaqil ta'lim faoliyati ko'nikmalarini rivojlantirish, hamkorlikda pedagogik ta'lim texnologiyasini amalga oshirish va individual ta'lim trayektoriyasini rivojlantirish uchun sharoit yaratadi.

Kalit so'zlar: ta'limni axborotlashtirish; axborot-kommunikatsiya

texnologiyalari; individual ta'lim trayektoriyasi; hamkorlidagi ta'lim; mustaqil ta'lim faoliyati.

MODERN INFORMATION AND COMMUNICATION TECHNOLOGIES: DIDACTIC PROPERTIES AND FUNCTIONS

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Abstract The didactic properties and functions of modern information and communication technologies are considered. The author identifies the following properties: a) multilingualism and multiculturalism; b) multilevel; c) multi-genre; d) multimedia information; e) hypertext structure of documents; f) the ability to create a personal user zone; g) the possibility of organizing synchronous and asynchronous communication; h) the possibility of automating the processes of information and methodological support and organizing the management of educational activities of students and its control. These functions will significantly enrich the linguistic and cultural practice of students, as well as create conditions for the development of the skills of independent learning activities of students, the implementation of pedagogical learning technology in cooperation, and the development of an individual educational trajectory.

Keywords: information of education; information and communication technologies; individual educational trajectory; collaborative learning; independent educational activity.

РОЛЬ И МЕСТО ДИСТАНЦИОННОГО ОБУЧЕНИЯ В СИСТЕМЕ ОБРАЗОВАНИЯ

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Abstract: This article discusses the role and place of distance learning in the education system. The transition from the industrial to the information society is shown, which led to significant changes in the field of education, as well as the provision of students with the right to freely choose the place, time and technology of education. The concept of open education is given. The study revealed the advantages and problems of distance learning.

Keywords: role, system, education, method, process, distance learning, information society, open education

Qisqacha mazmuni: Ushbu maqolada masofaviy ta'limning ta'lim tizimidagi o'rni va roli muhokama qilinadi. Industrial jamiyatdan axborot jamiyatiga o'tish ta'lim sohasida jiddiy o'zgarishlarga olib kelgan, shuningdek, o'quvchilarga ta'lim o'tkazish joyi, vaqti va texnologiyasini erkin tanlash huquqi berilganligi ko'rsatilgan. Ochiq ta'lim tushunchasi berilgan. Tadqiqot davomida masofaviy ta'limning afzalliklari va muammolari ochib berildi.

Kalit so'zlar: rol, tizim, ta'lim, usul, jarayon, masofaviy ta'lim, axborot jamiyati, ochiq ta'lim.

A STUDY ON INTERDISCIPLINARY TEACHING PRACTICES: PRIMARY AND SECONDARY EDUCATION CURRICULA

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Aslanova Ayshe Tahirovna, *Gulistan State University's first-year extramural economics student*

Abstract: This research explored teachers' views on the advantages of interdisciplinary teaching in elementary and secondary school curriculum. A descriptive scanning model, phenomenology, the Interdisciplinary Teaching Approach Questionnaire, and a semi-structured interview form collected quantitative and qualitative data. Professional seniority and teaching level predicted instructors' interdisciplinary approach views, while gender did not.

Keywords: Primary education, secondary education, an interdisciplinary approach, and interdisciplinary teaching are cited as key terms.

Qisqacha mazmuni: Ushbu tadqiqotda o'qituvchilarning boshlang'ich va o'rta maktablarda fanlararo o'qitishning afzalliklari haqidagi fikrlari o'rganildi. Tasviriy skanerlash modeli, fenomenologiya, o'rganishga fanlararo yondashuv bo'yicha so'rovnoma va yarim tizimli suhbat shakli miqdoriy va sifatli ma'lumotlarni to'plash imkonini berdi. Kasbiy tajriba va o'qitish darajasi fanlararo yondashuv bo'yicha o'qituvchilarning fikrlarini taxmin qildi, lekin jinsi bunday qilmadi.

Kalit so'zlar: boshlang'ich ta'lim, o'rta ta'lim, fanlararo yondashuv va fanlararo ta'lim asosiy atamalar sifatida berilgan.

O'QUVCHILARNI MINIATYURA SAN'ATI BILAN TANISHTIRISH. TO'GARAK MASHG'ULOTLARI MISOLIDA

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Annotatsiya: maqolada to'garak mashg'ulotlarida o'quvchilarni miniatyura san'ati bilan tanishtirish yo'llari yoritilgan. Shu bilan bir qatorda bo'lajak tarbiyachi-o'qituvchilarga kelajak avlodni ma'naviy jihatdan yuksak fazilatlar egasi qilib tarbiyalash, san'atning qirralari, shakl va yo'llari to'g'risida bilim, ko'nikma va malaka hosil qilish haqida so'z yuritilgan.

Kalit so'zlar: ta'lim va tarbiya, estetik tarbiya, madaniy meros, komil inson, badiiy meros, yuksak fazilat, tasviriy san'at, miniatyura san'ati, ijodiy to'garak.

Abstract: the article describes ways to introduce students to the art of miniature in the classroom. In addition, future educators-teachers should be asked about the education of the future generation as the owner of high spiritual qualities, the formation of knowledge, skills and abilities about the facets, forms and methods

of art.

Keywords: education and upbringing, aesthetic education, cultural heritage, perfect man, artistic heritage, high quality, fine arts, miniature art, creative circle.

SOCIAL AND RELIGIOUS PROBLEMS IN WEST OF KABUL EAST OF NEW YORK

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Abstract: This thesis is about Social and Religious problems of “West of Kabul, East of New York” written by Afghan-American writer Mir Tamim Ansary, in which the author on the scale, especially in the western and eastern regions, his burning proposal to maintain peace and to prove that the Afghan people are not terrorists as the whole world thinks, and social problems between these two regions also among Afghan people.

Keywords: Afghanistan and its oppressed people, the Taliban, the difference between the West and the East, the Stone Age, : Afghanistan, American life, bestseller, textbooks, Religion, Islamic world, etc.

SOCIAL PSYCHOLOGICAL ASPECTS OF OVERCOMING SOCIAL DISAGREEMENTS IN THE FAMILY

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Abstract: Any family is faced with problematic situations throughout its life, the solution of which is carried out in the context of opposite individual needs, motives and interests. Conflict is characterized as a conflict of opposing goals, interests, positions, thoughts. Of course, this also has negative consequences. They are different for divorces, children and society. The weakest aspect in divorce is usually a woman with children. He is more of a person prone to nervous-psychiatric disorders. This article provides feedback and insights into the social psychological aspects of overcoming social discord in the family.

Keywords: family, problem situations, conflict, position, couple, children, divorce, society, negative consequences, contrast, parent, difficulty.

MORAL EDUCATION OF STUDENTS AND YOUNG PEOPLE IN FOLK PEDAGOGY

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Avstract: The article talks about the technology of using folk pedagogy in the

spiritual and moral education of students. The results of the experimental and test works conducted on the role of folk pedagogy in the spiritual and moral education of students-youth in the direction of labor education in Bunda were analyzed. A model of moral and moral education of students and young people has been created. conclusions and recommendations on the technologies of moral and moral education of students and young people have been developed.

Keywords. spiritual-moral education, folk pedagogy, model of moral-moral education of Student-Youth, Higher Educational Institution, educational work

ISSUES OF ENGLISH FOR SPECIFIC PURPOSE (ESP) METHODOLOGY

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Guliston Davlat universiteti tayanch doktranti

Abstract: The following thesis discusses teaching English to non-philology students and its differences from General English. First, we will introduce ESP and its definitions given by various researchers and linguists, the history of development and teaching methods. ESP, as its name implies, means the study of the terms and concepts of a specific field. General English, in contrast, is the mastery of the entire grammar and existing vocabulary of the language, covering various areas of life. The emergence of the ESP method is related to the increase in the position of the English language as a global language and the fact that it serves as the main source of information. Below we will talk in detail about this method and its place in education, reasons, techniques and tactics.

Keywords: ESP, General English, specific, language teaching, Business, subject knowledge, occupation, methodology, higher education

OLİY O'QUV YURLARI FAKULTETLARIDA TA'LIM SIFATI NAZORATINI TASHKIL ETISH

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Kurbanov Sardor Bahromovich, GulDU magistri

Qisqacha mazmuni: Respublikmizda iqtidorli talabalarni aniqlash ularni tarbiyalashning ijtimoiy-pedagogik texnologiyalarini ishlab chiqish. Iqtidorli talabalarni tarbiyalash va rivojlantirishda davlat va nodavlat hamkorligini ta'minlashning me'yoriy asoslari yaratildi. Iqtidorli talabalarni tarbiyalash va rivojlantirish samaradorligini oshirish bo'yicha fanlarni chuqurlashtirib o'tish uchun Prezident maktablari tashkil etildi. Ularning moddiy texnika bazasi ta'minlandi. O'zbekiston Respublikasini yanada rivojlantirishda Xarakterlar strategiyasida "Yuksak bilimli va intellektual rivojlangan avlodni tarbiyalash, Oliy ta'lim muassasalarida kompetentli ilmiy pedagogik kadrlar zahirasi yaratish" vazifasi ustuvor etib belgilandi.

Kalit so'zlar: Oliy ta'lim, axborot, ilmiy, texnik, metodik, talaba, sifat,

texnologiya, ekspert, darslik, o'quv reja, aboratoriya, *ta'lim muhiti*, ijtimoiy-pedagogik texnologiyalar, fan, intellektual rivojlangan avlod, baholash.

THE EFFECTIVENESS OF LANGUAGE ACQUISITION VIA SOCIAL NETWORKING PLATFORMS

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Abstract: In this article authors mentioned several networking sites where language acquisition is the significant topic. They also share some views about the use social network in other options apart from language learning. But their focal point is always on teaching and learning foreign language in an unconventional way, which is more comprehensible, and more enjoyable. So they think these features are supplied in language learning process with the use of social networks.

Keywords: networks, Social, language, learning, foreign, making friends, online, educational, teaching, effective, long-term, entertaining.

THE EFFECTIVENESS OF LANGUAGE ACQUISITION VIA SOCIAL NETWORKING PLATFORMS

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Abstract: In this article authors mentioned several networking sites where language acquisition is the significant topic. They also share some views about the use social network in other options apart from language learning. But their focal point is always on teaching and learning foreign language in an unconventional way, which is more comprehensible, and more enjoyable. So they think these features are supplied in language learning process with the use of social networks.

Keywords: networks, Social, language, learning, foreign, making friends, online, educational, teaching, effective, long-term, entertaining.

IMPROVEMENT OF METHODOLOGICAL COMPETENCES OF FUTURE ENGLISH LANGUAGE TEACHERS IN THE CONDITIONS OF IMPLEMENTATION OF INNOVATIVE TECHNOLOGIES IN THE EDUCATIONAL PROCESS

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Abstract: The purpose of this article is to look into how teachers prepare for and use multimedia when instructing English language learners. Two English teachers served as the research subjects in this case study methodology study. According to the findings, teachers obtain their preparation materials from a variety of sources, including the internet, books, and videos. The devices' limitations presented a challenge for the teachers. When putting an activity into practice, the teacher frequently used films, followed by power point presentations to clarify the content. Teachers hardly ever administer assessments that require students to use multimedia. This article offers ideas and viewpoints on enhancing future English language instructors' methodological proficiency in the context of implementing cutting-edge.

Keywords: English, multimedia, innovative technologies, educational process, preparation, implementation, students, media tools, methodological competencies, improvements.

FEATURES OF STIMULATING THE KNOWLEDGE ACTIVITY OF UNDERGRADUATE STUDENTS IN TEACHING ENGLISH

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Abstract: In English learning, the most important thing is to stimulate students' interest, and it is very necessary for teachers to attach great importance to the students' interest in the whole process of teaching and learning. This article starts with the discussion of the importance of interest in English learning; then, the thesis analyses the teachers' guiding roles in English learning and teaching, which is the base of arousing students' interest in English learning. The last part puts forward some new and helpful teaching methods to stimulate students' interest. In a word, the foremost duty of a teacher is to try his/her best to arouse students' interest.

Keywords: Interest, English learning, Stimulate, Initiative, Students.

OTGA XOS SUBYEKTIV BAHO SHAKLLARINING USLUBIY XUSUSIYATLARI

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Qisqacha mazmuni: Ushbu maqolada otlarning subyektiv baho ifodalovchi shakllari va ularning ma'no nozikliklari va uslubiy xususiyatlari atroflicha yoritilgan. Subyektiv baho shakllar so'zlovchining nutqda ifodalagan shaxsiy munosabatini bildirishi haqida batafsil tushunchalar berildi.

Kalit so'zlar: baho, morfema, qo'shimcha, ot, morfologik tahlil, asos, tahlil, so'z turkumlari, grammatik shakl, subyektiv baho shakllari

Abstract: In this article, the forms of nouns expressing subjective evaluation and their subtleties of meaning and stylistic features are covered in detail. Detailed understanding was given that subjective assessment forms express the personal attitude of the speaker expressed in the speech.

Keywords: evaluation, morpheme, suffix, noun, morphological analysis, base, analysis, word groups, grammatical form, subjective evaluation forms

UZLUKSIZ TA'LIM TIZIMIDA O'QITUVCHILARNING KOMPETENSIYASINI SHAKLLANTIRISH

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GulDU Sitqi bo'lim, masofaviy ta'lim, kafedrası katta o'qituvchisi

Qisqacha mazmuni: Pedagogik kompetentlik o'qituvchilik faoliyatini sifatli tashkil etilishini ta'minlovchi omil sifatida qaraladi. Bugunda o'qituvchining kompetentligi qaysi mezonlar bilan belgilanishin o'rganish muhim bo'lmoqda. Kasbiy pedagogik kompetensiyalarning tarkibiy qismlari haqidagi fikrlari bildirilgan.

Kalit so'zlar: kompetentsiya, ta'lim, tarbiya, o'qituvchi, talaba, kasbiy rivojlanish, uzluksizlik, mahorat, onalyn, masofa, ijodkorlik, tasvir, kasbiy faoliyat, internet, innovatsiya, interaktiv, tizim, moslashish, mas'uliyat, o'zini o'zi boshqarish, vaziyat, jarayon, hamkorlik, malaka.

Abstract: Pedagogical competence is considered as a factor in ensuring the quality of teaching. Today it is important to study the criteria for determining the competence of a teacher. Opinions on the components of professional pedagogical competencies are expressed

Keywords: competence, education, upbringing, teacher, student, professional development, continuity, skill, onalyn, distance, creativity, image, professional activity, internet, innovation, interactive, system, adaptation, responsibility, self-management, situation, process, cooperation, qualification.

ACTIVATION OF KNOWLEDGE ACTIVITY OF UNIVERSITY STUDENTS IN TEACHING A FOREIGN LANGUAGE BASED ON ROLE GAMES

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Abstract: This article deals with the topic of using the method of role-playing games/simulations in teaching students a foreign language. Special attention was paid to the question of how this method can be used in universities to encourage students to effectively use a foreign language in class. Role-playing games have been shown to be extremely useful and help students to consolidate their knowledge and learn a foreign language for professional purposes.

Keywords: communicative competence, teaching foreign languages,

intercultural communication, interactive teaching methods, game method, role-playing games, simulations, conversational skills.

TA'LIMNI AXBOROTLASHTIRISH SHAROITIDA NOFILOGIK TA'LIM YO'NALISHLARIDA XORIJIY TILINI O'QITISHNI OPTIMALLASHTIRISHNING ASOSIY YO'NALISHLARI

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Qisqacha mazmuni: Maqolada zamonaviy jamiyat tomonidan qo'yiladigan bo'lajak mutaxassislarning shaxsiy va kasbiy fazilatlariga, ularning xorijiy tillarni o'qitish jarayonida rivojlanishi, shuningdek, raqamli texnologiyalar va Internet-resurslaridan foydalanish talablari muhokama qilingan. Xususan, bu professor-o'qituvchi tomonidan qo'yilgan aniq maqsadlarga erishish uchun o'quv qo'llanmalarini tizimli ravishda tanlash muhimligi yoritilgan.

Kalit so'zlar: axborotlashtirish, zamonaviy ta'lim, kompyuterlashtirish, raqamli texnologiyalar, o'quv qo'llanmalarini tanlash

USING CLIL TECHNOLOGY TO TEACH FOREIGN LANGUAGES

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Abstract: The reform of the Uzbek educational system is theoretically supported by a competence-based approach. This method suggests the aim to combine learning and self-education, provide students with relevant knowledge, help them build abilities, and help them form skills that are needed by the actual conditions of a person's life and career. Within the scope of the competence-based approach, university teaching strives to develop a student's complex of general (general cultural) and specific (professional) capabilities. With the globalization and internationalization of society, the importance of graduates knowing a foreign language (most often English) at a level that would allow them to participate fully in the international scientific, business, and cultural community is growing as one of the common skills and abilities. However, for professionals to have unrestricted access to industry market information, specialized literature, and effective contact with international business partners, a competent command of a foreign language is sometimes insufficient. In this article, we might discuss and learn a little bit about using CLIL technology to teach foreign languages.

Keywords: English, teaching methods, CLIL technology, interactive lessons, integration, content, media materials, cognitive skill, students, curiosity, self-development.

SIRDARYO VILOYATI TOPONIMLARINING SINXIRON VA DIAXRON TADQIQI

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Qisqacha mazmuni: Mazkur maqolada Sirdaryo viloyati hududidagi toponimlarning nomlanishi, kelib chiqishi, ularning tarixi va taraqqiyoti, ulardagi o'zgarishlar sinxron va diaxron holatda o'rganildi hamda hududtadagi toponimlarining nomlanishidagi alohidalik tahlilga tortildi.

Kalit so'zlar: etimologiya, geografik nomlar, toponimlar, oykonimlar, etnonimlar.

Abstract: In this article, the naming, Origin, history and development of toponyms in the territory of the Syrdarya region, changes in them were studied in the synchronous and diachronic state, and the isolation in the naming of toponyms in hudud was subjected to analysis.

Keywords: etymology, Geographical Names, toponyms, oykonim, ethnonyms.

PSIXOANALIZ TA'LIMOTI PSIXOLOGIK XIZMATNING NAZARIY ASOSI SIFATIDAGI TALQINI

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Qisqacha mazmuni: Eng avvalo, psixoanaliz nimani o'rganadi degan savolga javob berishimiz kerak.. Ushbu ta'limotning asosi xulq-atvor modeli insonning tubida yashirilib bo'lmaydigan ongsiz sabablarga ega degan taxminga asoslanadi. O'tgan asrning o'rtalarini psixologik fandagi inqilob deb ta'riflash mumkin, chunki dunyoga ichki psixologik stressga yangi nuqtai nazardan qarashga imkon beradigan usullar taqdim etildi. Mazkur ta'limotning asoschisi Freydning so'zlariga ko'ra, inson uch komponentdan iborat. Ular "Superego", "Men" va "Bu" nomlarini oldilar. "Bu" shaxsiyatning ongsiz qismi bo'lib, unda turli tortishish ob'ektlari yashiringan. "Men" bu "Bu" ning davomi bo'lib, tashqi kuchlar ta'siri ostida vujudga keladi. "Men" bu eng murakkab mexanizmlardan biri bo'lib, uning faoliyati ongli ham, ongsiz ham darajalarni qamrab oladi. Shunga asoslanib, "Men" psixikani tashqi ta'sirlardan himoya qilish vositalaridan biri ekanligi kelib chiqadi.

Kalit so'zlar: Psixoanaliz, xulq-atvor, Zigmund Freyd, psixokorreksion ishlar, analitik individual psixokorreksiya, psixologik maslahat, psixoanalitik terapiya.

МОДИФИКАЦИЯ ОТКРЫВАЕТ БОЛЬШИЕ ВОЗМОЖНОСТИ ДЛЯ УВЕЛИЧЕНИЯ АССОРТИМЕНТА И КОНКУРЕНТНОСПОСОБНОСТИ ШЕЛКОВЫХ ТКАНЕЙ

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Abstract: The article presents the results of testing the tension process and research aimed at improving the preparation of threads for weaving. Attention, first of all, was paid to find out the reasons for the high uneven tension and breakage of the threads, which contribute to the unevenness of raw silk in linear density. To reduce breakage, we proposed a modification of silk during primary processing, which was determined experimentally. It was found that treatment with a polymer significantly improves the physical and mechanical properties of protein fibers; these fibers initially have very good strength characteristics due to a high degree of polymerization.

Keywords: silk, modification, polymer, qualities, composition, fiber elasticity, fiber breakage, physical and mechanical properties, fibroin.

Аннотация: В статье проведены результаты испытания процесса натяжения и исследования направленные на совершенствование подготовки нитей к ткачеству. Внимание, прежде всего было обращено по выяснения причин высокой неравномерности натяжения и обрывности нитей, способствующих неровноты шелка-сырца по линейной плотности. Для снижения обрывности нами предложена модификация шелка при первичной обработке, которые определялись экспериментально. Выявлено, что обработка с полимером в значительной степени способствует улучшению физико-механических свойств белковых волокон, данные волокна изначально обладают очень хорошими прочностными показателями, за счет высокой степени полимеризации.

Ключевые слова: шелк, модификация, полимер, качества, композиция, упругость волокна, обрывность волокна, физико-механические свойства, фиброин.

SHE'RIY MATNDA EVFEMIZMLARNING POETIK AKTUALLASHUVI

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Qisqacha mazmuni: Ushbu maqolada badiiy ijodning lingvopoetik tahlil jihatidan evfemizmlarning poetik aktuallashuvini o'zbek xalq shoirasi Halima

Xudoyberdiyeva ijodi orqali uning she'rlaridan ayrimlarini keltirib tahlil qilishga harakat qildik.

Kalit so'zlar: leksema, lingvopoetika, ortologiya, neyrolingvistika, yurislingvistika, amaliy tilshunoslik, lingvistik ekspertiza, evfemizm.

Abstract: In this article, we tried to analyze the poetic actualization of euphemism in terms of linguopoetic analysis of artistic creativity through the works of Uzbek folk poetess Halima Khudoyberdiyeva, citing some of her poems.

Keywords: lexeme, linguopoetics, orthology, neurolinguistics, legal linguistics, applied linguistics, linguistic expertise, euphemism.

XORIJIY TILLARNI O'QITISHNING 4 - BOSQICHLI USULI

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Qisqacha mazmuni: Ushbu maqoladan maqsad shuki, xorijiy tillarni o'qitishda pedagoglar birinchi navbatda o'quvchining lug'at boyligiga e'tibor qaratishi zarur. Lekin faqatgina lug'at boyligini oshirish bilan chegaralanib qolmasdan keng qamrovli ish olib borish kerak. Har qanday chet tilini o'rganish uchun avval ishonchli sinovdan o'tgan va yaxshi natija beradigan oltin qoidalar talab qilinadi. O'tilgan materiallarni takrorlab turish til o'rganishning oltin qoidalaridan biridir. Bunda takrorlash jarayonining qanchalik uzoq vaqt davom etishi emas, balki takrorlanishning qanchalik tez-tez amalga oshishi muhim ahamiyat kasb etadi. Xo'sh, to'plangan lug'at boyligidan samarali foydalanish uchun nima qilish kerak. Maqolada shu haqda munozara yuritiladi.

Kalit so'zlar: xorijiy tillarni o'qitish, til aspektlari, lug'at boyligi, leksik, sintaktik, til satxlari

Abstract: The purpose of this article is that when teaching foreign languages, educators must first of all focus on the vocabulary of the student. But it is only necessary to carry out a comprehensive work, without being limited to increasing the vocabulary. To learn any foreign language, Gold rules are required, which have previously been reliably tested and give a good result. Repeating the materials mentioned is one of the golden rules of language learning. It is not about how long the repetition process lasts, but about how often the repetition takes place. Well, what to do to effectively use the accumulated vocabulary. The article will discuss this issue.

Keywords: foreign language teaching, language aspects, vocabulary, lexical, syntactic, language fields

EFFECTIVE USE OF MULTIMEDIA TECHNOLOGIES IN FOREIGN LANGUAGE TEACHING

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Abstract: The article describes the possibilities of using multimedia technologies in teaching foreign languages. The authors note that the effective use of the latest technologies contributes to increasing the motivation and effectiveness of teaching foreign languages in general. In addition, the multimedia educational environment makes it possible to manage the process of education and upbringing, which is important when learning foreign languages.

Keywords: multimedia technologies, multimedia educational environment, independent work, computer, dialogue of cultures, sociocultural competence.

**МАТЕМАТИЧЕСКИЕ МОДЕЛИ В ПРЕПОДАВАНИИ
МАТЕМАТИКИ
НА ЕСТЕСТВЕННОНАУЧНЫХ НАПРАВЛЕНИЯХ**

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Аннотация: В работе рассматриваются две достаточно простые математические модели: модель, описывающая строение молекулы белка и демографическая модель роста численности населения. Они являются удачными приложениями тем “Векторная алгебра” и “Дифференциальные уравнения”.

Ключевые слова: конформация белка, валентные и торсионные углы, скалярное произведение векторов, модели численности роста населения, дифференциальные уравнения, математические модели в биологии, математические модели в демографии

**МОДЕЛЬ РАЗВИТИЯ И РЕАЛИЗАЦИИ ВОСПИТАТЕЛЬНОГО
ПОТЕНЦИАЛА СЕМЬИ В УСЛОВИЯХ ВЗАИМОДЕЙСТВИЯ С
СЕМЬЯМИ ШКОЛЬНИКОВ**

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Аннотация: В статье представлены теоретические аспекты разработанной модели развития и реализации воспитательного потенциала семьи в условиях взаимодействия с семьями школьников. На основании научных трудов проанализировано понятие «воспитательный потенциал» и «развитие воспитательного потенциала», отмечены педагогические условия, способствующие эффективному взаимодействию образовательной организации с семьями учащихся. Разработанная модель может служить теоретическим базисом при опытно-экспериментальной части исследования.

Ключевые слова: воспитательный потенциал, система образования, семьи школьников, воспитательные возможности, модель развития потенциала, компонент, педагогические условия, целевой блок, концептуальный блок, содержательный блок, технологический блок, оценочно-результативный блок.

Abstract: The article presents the theoretical aspects of the developed model of the development and realization of the educational potential of the family in terms of interaction with the families of schoolchildren. On the basis of scientific works, the concept of “educational potential” and “development of educational potential” is analyzed, pedagogical conditions that contribute to the effective interaction of an educational organization with the families of students are noted. The developed model can serve as a theoretical basis for the experimental part of the study.

Keywords: educational potential, education system, school children’s families, educational opportunities, potential development model, component, pedagogical conditions, target block, conceptual block, content block, technological block, evaluative and effective block.

ФУНКЦИИ ЭКСПЕРТИЗЫ В СФЕРЕ ОБРАЗОВАНИЯ И ИХ КЛАССИФИКАЦИЯ

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Аннотация: В статье представлены теоретические аспекты функций экспертизы в образовательной среде. На основании научных трудов были выделены и проанализированы классификации функций экспертизы в сфере образования и на основе данного анализа была выделена наиболее универсальная классификация. Данная работа может служить теоретическим базисом при опытно-экспериментальной части исследования.

Ключевые слова: экспертиза, образование, классификация функций экспертизы, прогностическая функция, нормативная функция, исследовательская функция, развивающая функция, оценочная функция, нормоконтролирующая функция, интерпретирующая функция, дегустационная функция, понимающая функция.

Abstract: The article presents the theoretical aspects of the functions

of expertise in the educational environment. On the basis of scientific works, classifications of the functions of expertise in the field of education were identified and analyzed, and on the basis of this analysis, the most universal classification was identified. This work can serve as a theoretical basis for the experimental part of the study.

Keywords: examination, education, classification of examination functions, prognostic function, normative function, research function, developmental function, evaluation function, norm-controlling function, interpretive function, tasting function, understanding function.

ВИРТУАЛЬНАЯ РЕАЛЬНОСТЬ В ОБРАЗОВАНИИ: ПРОБЛЕМЫ И ПЕРСПЕКТИВЫ

VIRTUAL REALITY IN EDUCATION: PROBLEMS AND PROSPECTS

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Аннотация: В статье рассматривается технология виртуальная реальность, как перспективная область развития. Виртуальная реальность представляет собой трехмерную среду, смоделированную при помощи компьютерных технологий, в которую пользователь погружается с помощью сенсорных устройств. Также в работе рассмотрены проблемы (стоимости, обучаемости, адаптации) и перспективы использования виртуальной реальности в образовательном процессе.

Ключевые слова: виртуальная реальность, образование, современные технологии, перспективы, учащиеся.

Abstract. In the article, virtual reality technology is considered as a promising direction of development. Virtual reality is a three-dimensional environment modeled using computer technology, into which the user is immersed using touch devices. The article also discusses the problems (cost, learning ability, adaptation) and prospects for using virtual reality in the educational process.

Keywords: virtual reality, education, modern technologies, prospects, pupil.

ТРЕБОВАНИЯ И ПРОБЛЕМЫ ЦИФРОВАНИЯ В ОБРАЗОВАНИИ И ПОДГОТОВКЕ КАДРОВ

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Аннотация: Статья является одной из первых публикаций автора, посвященных вопросам и проблемам цифровизации отечественного образования и подготовке педагогических кадров. В данной статье рассматриваются сущность процесса цифровизации и его связь с подготовкой кадров. Дается характеристика новым технологиям, которые

используются в образовательном процессе для обучения и подготовки высококвалифицированных кадров в условиях цифровизации. По аналогии со структурой понятия «цифровая экономика» строится определение «цифровое образование» как учебная и воспитательная деятельность, основанная на преимущественно цифровой форме представления информации учебного и управленческого характера, а также актуальных технологиях ее хранения и обработки, позволяющая существенно повысить качество образовательного процесса и управление им на всех уровнях.

Ключевые слова: кадры, подготовка кадров, цифровизация образования; цифровая трансформация образования; цифровые технологии в образовании; электронное обучение; информационная образовательная среда; программы цифровизации образования.

Abstract: The article is one of the first publications of the author devoted to the issues and problems of digitalization of domestic education and the training of teaching staff. This article discusses the essence of the digitalization process and its relationship with training. A characteristic is given to new technologies that are used in the educational process for the education and training of highly qualified personnel in the context of digitalization. By analogy with the structure of the concept of “digital economy”, the definition of “digital education” is being built as an educational and educational activity based on a predominantly digital form of presenting information of an educational and managerial nature, as well as relevant technologies for its storage and processing, which can significantly improve the quality of the educational process and management. them at all levels. At the same time, “digitalization of education” is interpreted as a transition from traditional education to digital.

Keywords: personnel, personnel training, digitalization of education; digital transformation of education; digital technologies in education; e-learning; information educational environment; education digitalization programs.

Проблемы Цифрования В Образовании И Подготовке Кадров В Условиях Цифровизации Экономики

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Аннотация: В статье раскрываются основные положения правового регулирования рыночной экономики в условиях ее быстрой цифровизации и создаваемые образовательные модели, соответствующие ее запросам в подготовке кадров. Представлены основные методы цифровизации обучения в целях создания для хозяйствующих субъектов соответствующих профессиональных кадров. Существующие в настоящее время проблемы освоения и использования профессиональными кадрами различных цифровых программ становится государственной проблемой, так как накладывает на государство особые задачи использования цифровых программ повсеместно. Существующие модели образовательных систем подготовки кадров для

специализированных отраслей с их конкретными запросами оказываются неэффективными и даже тормозят развитие экономических отношений, так как в итоге не утоляют кадровые запросы цифровой экономики.

Ключевые слова: государственное регулирование, договор, идентификация, информационная безопасность, малый и средний бизнес, меры государственной поддержки, налог на прибыль организаций, наглядность, поведение, правовое обучение, просрочка оплаты налогов, социальная справедливость, ставка налога, смарт-контракты, учебный материал, цифровой гражданский оборот, цифровые финансовые активы, цифровая экономика.

Abstract: The article reveals the main provisions of the legal regulation of the market economy in the conditions of its rapid digitalization and the educational models being created that meet its needs in personnel training. The main methods of digitalization of training in order to create appropriate professional personnel for business entities are presented. The current problems of mastering and using various digital programs by professional personnel are becoming a state problem, since it imposes on the state special tasks of using digital programs everywhere. The existing models of educational systems of personnel training for specialized industries with their specific requests turn out to be ineffective and even slow down the development of economic relations, since in the end they do not satisfy the personnel demands of the digital economy.

Keywords: state regulation, contract, identification, information security, small and medium-sized businesses, state support measures, corporate income tax, visibility, behavior, legal training, late payment of taxes, social justice, tax rate, smart contracts, educational material, digital civil turnover, digital financial assets, digital economy.

ИНТЕРДИСЦИПЛИНАРНЫЕ МЕТОДЫ ПОДГОТОВКИ БУДУЩИХ ПЕДАГОГОВ-ПСИХОЛОГОВ

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Аннотация: В статье описывается опыт реализации интердисциплинарных методов подготовки будущих педагогов-психологов через обучение и реализацию ими образовательных интенсивов для студентов Елабужского института КФУ. В Елабужском институте КФУ работает Центр психологической помощи участникам образовательного процесса. На базе Центра будущие педагоги-психологи имеют возможность приобретать необходимые профессиональные навыки взаимодействия с реальными клиентами – обучающимися Елабужского института КФУ. Такое практико-ориентированное обучение приводит к развитию психолого-педагогических компетенций, способствующих эффективному взаимодействию с

обучающимися в образовательном процессе.

Ключевые слова: будущие педагоги-психологи, интердисциплинарные методы обучения, психолого-педагогическое сопровождение, образовательный интенсив.

Abstract: The article describes the experience of implementing interdisciplinary methods of training future psychologists through training and implementation of educational intensives for students of the Yelabuga Institute of KFU. The Elabuga Institute of KFU has a Center for Psychological Assistance to Participants in the Educational Process. On the basis of the Center, future educational psychologists have the opportunity to acquire the necessary professional skills of interaction with real clients - students of the Elabuga Institute of KFU. Such practice-oriented learning leads to the development of psychological and pedagogical competencies that contribute to effective interaction with students in the educational process.

Keywords: future educational psychologists, interdisciplinary teaching methods, psychological and pedagogical support, educational intensive.

ДИСТАНЦИОННЫЙ ФОРМАТ ОБУЧЕНИЯ В ШКОЛЕ

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Аннотация: В статье представлены особенности дистанционного обучения в современном мире. В школах есть риски сложившейся практики дистанционного обучения. По результатам были выделены направления дистанционного образования, которые требуют внимания.

Ключевые слова: дистанционное обучение, цифровизация обучения, электронное обучение, открытое обучение, цифровая платформа.

Abstract: The article presents the features of distance learning in the modern world. In schools, there are risks of the established practice of distance learning. Based on the results, areas of distance education that require attention were identified.

Keywords: distance learning, digitalization of education, e-learning, open learning, digital platform.

MAKTABGACHA YOSHDAGI BOLALARNING MUSIQIY MADANIYATINI XALQ AN'ANALARIDA ASOSIDA RIVOJLANTIRISH

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Qisqacha mazmuni: Ushbu tezis maktabgacha yoshdagi bolalarning musiqiy madaniyatini rivojlantirishda xalq an'analaridan foydalanish mexanizmlarini muhokama etishga bag'ishlanadi.

Kalit so'zlar: Musiqiy faoliyat, qo'shiq, aktyorlar, xonanda, ta'lim- tarbiya, maktabgacha ta'lim, musiqa, bolalar, uslub.

VR- MUHITDA KUTUBXONA

Nurmuxamedova Feruzaxonim Axmadjon qizi, *Guliston davlat universiteti doktoranti*

Qisqacha mazmuni: Ushbu dissertatsiya ishi Virtual kutubxonalar haqida bo'lib, o'quvchilarni tasavvurlarini boyitishga xizmat qiluvchi ko'rsatmalar berilgan. VR-kutubxonalar zamonaviy kutubxona bo'lib, hozirgi zamon talablariga to'liq javob beradi. VR-kutubxonalar yordamida o'quvchilarni kitob o'qishga qiziqishini paydo qilish va rivojlantirish usullari ko'rsatilgan.

Kalit so'zlar: Virtual texnologiya, VR kitoblar, elektron kutubxona, dasturlar, zamonaviy ko'zoynaklar.

Abstract: This dissertation focuses on virtual libraries and provides instructions to enrich students' imaginations. VR libraries are modern libraries that fully meet the requirements of modernity. Methods for creating and developing students' interest in reading books using VR libraries are shown.

Keywords: Virtual technology, VR books, electronic library, programs, modern glasses.

AMALIYOTCHI PSIXOLOG KASBIM – FAXRIM

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Toshkent viloyati Angren shahri XTBga qarashli 22-umumiy o'rta ta'lim maktab amaliyotchi psixologi

Qisqacha mazmuni: Dard bir kunda tug'ilmaydi, muammo kelib chiqadi, ya'ni ruhiy jarohat bo'ladi, ba'zida ruhiy stresslar davomli ravishda kechib, natijada dardga aylanadi. Amaliyotchi psixologlarni ham shifokorlar kabi o'ta mas'uliyatli kasb egasi. Ular qalb shifokorlaridir.

Kalit so'zlar: inson ruhiyati, psixosomatik kasallik, inson xayoti va taqdiri, psixologlarga ehtiyoj.

TALABALARDA KITOBXONLIK MADANIYATINI SHAKLLANTIRISH

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Qisqacha mazmuni: Maqolamizda yurtimizda yoshlarni g'oyaviy-mafkuraviy jihatdan kamol toptirishda beqiyos ahamiyatga ega bo'lgan kitobxonlik madaniyatining bugungi kundagi holati, bu boradagi ayrim muammolar va ularni bartaraf etish yuzasidan fikr- mulohazalar bayon qilingan.

Kalit so'zlar: kitobxonlik madaniyati, ma'naviy ehtiyoj, oilaviy mutolaa, badiiy asar tahlili, madaniy nutq, matn kompozitsiyasi, savodxonlik.

BO'LAJAK TARBİYACHILARNING ABOROT BILAN ISHLASH KOMPITENSIYASINI TAKOMILLASHTIRISH

Begmuratova Dilnoza Amaliddinovna

Guliston Davlat Universiteti 2-bosqich tayanch doktoranti

Qisqacha mazmuni: Bugungi kunda axborot nafaqat jahon iqtisodiy va siyosiy rivojlanishining muhim tarkibiy qismiga, balki har bir shaxsning shaxsiy rivojlanishining asosiy tarkibiy qismiga aylandi. Axborot barcha darajadagi ta'lim uchun, shu jumladan insonni ilmiy va ijodiy faoliyatga jalb qilish uchun resurs elementi bo'lib, o'z navbatida fan, texnika va san'atni rivojlantirish uchun platforma yaratadi. Ammo shuni ta'kidlash kerakki, ulkan axborot oqimlari ushbu ma'lumotni baholash, uning ishonchliligi va ishonchliligini aniqlash qobiliyatini talab qiladi. Shu munosabat bilan yangi ta'lim standartlarini o'zlashtirish va amalga oshirish jarayonida o'qituvchi va talaba faoliyatining ahamiyati, bunda ijtimoiy talablar o'quvchilarning umumiy madaniy, shaxsiy va kognitiv rivojlanishi sifatida ta'lim maqsadlarini belgilab beradi. ta'limning "o'rganishga o'rgatish" sifatidagi asosiy kompetensiyasi ortib bormoqda.

Kalit so'zlar: bo'lajak tarbiyachi, axborot, kompetentlik, kompetensiya, axborot kompetensiyasi, axborot bilan ishlash, axboriy madaniyat.

Abstract: Today, information has become not only an important component of world economic and political development, but also the main component of personal development of each person. Information is a resource element for all levels of education, including human involvement in scientific and creative activities, which in turn creates a platform for the development of science, technology and art. However, it should be noted that huge information flows require the ability to evaluate this information, determine its reliability and trustworthiness. In this regard, the importance of the activity of the teacher and student in the process of mastering and implementing new educational standards, in which social requirements determine educational goals as the general cultural, personal and cognitive development of students. the core competency of education as "teaching to learn" is increasing.

Keywords: future educator, information, competence, competence, information competence, working with information, information culture.

Ijtimoiy Ustanovkalar Haqida Tushuncha Va Ularning Ijtimoiy-Psixologik Ahamiyati

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Guliston davlat universiteti tayanch doktorantura talabasi

Qisqacha mazmuni: "Ijtimoiy ustanovka" tushunchasi insonning odamlar,

har qanday jonli va jonsiz narsalar va uning atrofidagi voqelik hodisalari bilan bir tomonlama psixologik aloqasini ko'rsatish uchun ishlatiladi. Shundan kelib chiqan holda ush bu maqolada ijtimoiy ustanovka haqida tushuncha va uning ijtimoiy-psixologik ahamiyati haqida so'z boradi.

Kalit so'zi: ustanovka, munosabat, effect, ijobiy, salbiy, his-tuyg'ular, o'rnatish, o'zgarishlar.

Abstract: The concept of "social attitude" is used to denote a one-sided psychological connection of a person with people, any living and inanimate objects and phenomena of the surrounding reality. Based on this, this article discusses the concept of a social attitude and its socio-psychological significance.

Key word: attitude, attitude, effect, positive, negative, emotions, attitude, changes.

VIRTUAL IJTIMOYIY MAKON TAHDIDLARINING YOSHLAR DUNYOQARASHIGA TA'SIRI

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Qisqacha mazmuni: Bugungi kunda rivojlanayotgan zamonimizda internet qudratli axborot qurolga aylangan ekan, dunyo miqyosida mafkuraviy-g'oyaviy tahdidlarni targ'ibot va tashviqot etishda muhim omil vazifasini o'tamoqda. Ijtimoiy tarmoqlar yordamida yoshlarning qalbi, ongi va ruhiyatiga ta'sir ko'rsatishga alohida e'tibor qaratilmoqda. Buning natijasida yoshlar ma'naviyati izdan chiqishiga olib kelmoqda. Shu boisdan ham, turli-tuman g'oyaviy, mafkuraviy va axborot xurujlarining avj olishini e'tibordan chetda qoldirmasligimiz darkor. Shundagina biz istiqbolda ma'naviy barkamol insonni, sog'lom avlodni tarbiyalashga erishamiz.

Kalit so'zlar: Axborot, global, mafkura, internet, ma'naviy tahdid, ijtimoiy tarmoq, virtual muloqot, modernizatsiya, ma'naviyat, innovatsia.

Abstract: Since social networks have become a powerful information weapon today, they serve as an important factor in the promotion and promotion of ideological and ideological threats around the world. Special attention is paid to the influence on the hearts, minds and psyche of young people through social networks. This leads to a decline in the spirituality of young people. Therefore, we should not underestimate the escalation of various ideological, ideological and information attacks. Only then will we be able to raise a spiritually harmonious person, a healthy generation in the future.

Keywords: Keywords: informational, global, ideology, Internet, spiritual threat, social network, virtual communication, modernization, spirituality, innovation.

MAKTABGACHA TA'LIMDA MULTIMEDIA VOSITALARIDAN FOYDALANISH IMKONIYATLARI

Egamberdiyeva Muqaddas Gupronqul qizi

Guliston davlat universiteti doktoranti

Qisqacha mazmuni: Mazkur maqolada maktabgacha ta'lim tashkilotlarida multimedia vositalaridan foydalanishning hozirgi kundagi ahamiyati, imkoniyatlari hamda mazkur multimedialarni joriy qilish bo'yicha samarali metodlar keltirib o'tilgan.

Kalit so'zlar: axborot, texnologiya, multimedia, sichqoncha, dasturlar, metod, didaktika.

Abstract: This article cites the current importance, capabilities of the use of multimedia in preschool educational organizations, as well as effective methods for the introduction of multimedia.

Keywords: information, technology, multimedia, mouse, programs, method, didactics.

QORAQALPOQ XALQ PEDAGOGIKASIDA "BETOCHAR" MAROSIMINING TARBIVAVIY AHAMIYATI

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Qisqacha mazmuni: Bu maqolada betochar marosimining kelib chiqishi va hozirgi vaqtdagi o'rni, tarbiyaviy ahamiyati, oila tarbiyasidagi va xalq tarbiyasidagi ahamiyati haqida so'z boradi.

Kalit so'zlar: kelin, to'y, marosim, xalq, tarbiya, hazil, qaynota, qaynona, an'ana, mahorat, bolalar, inson, ahamiyat.

Abstract: In this article, we will talk about the origin of the betochar ceremony and its current place, educational significance, importance in family education and public education.

Keywords: daughter in law, wedding, ceremony, people, education, a joke, father in law, mother in law, tradition, skill, children, human, importance.

"Maktabda Tarix Fanini O'qitishda Ayrim Xorijiy Mamlakatlar Tajribasi"

Lobar Xujanova Raimkulovna

Guliston davlat universiteti doktoranti

Qisqacha mazmuni: maqolada xorijiy mamlakatlarning ta'lim tizimi hamda maktabda tarix fanini o'qitishdagi xorijiy tajribalari va ularning ayrim natijalari yoritilgan. Maktabda tarix fanini o'qitishda rivojlangan davlatlar o'zining samarali ilg'or usullari orqali ta'lim sohasida erishgan yutuqlari e'tirof etilgan. Maqola maktabda bo'lajak tarix o'qituvchilarini ilmiy-metodik bilimlarini rivojlantirish va maktabda tarix fanini o'qitishda ilg'or tajribalarini amaliyotga qo'llash bag'ishlangan.

Kalit so'zlar: maktab ta'limi, tarix fanini o'qitish, zamonaviy o'qitish, ilg'or

xorijiy tajribalar, zamonaviy texnologiyalar, Finlandiya ta'lim tizimi, tarix fanini o'qitishda zamonaviy yondashuvlar.

EXPERIENCE OF SOME FOREIGN COUNTRIES IN TEACHING HISTORY IN SCHOOL

Lobar Khujanova Raimkulovna

Abstract: the article describes the educational system of foreign countries and foreign experiences in teaching history at school and some of their results. The achievements of developed countries in the field of education through their effective advanced methods in teaching history at school have been recognized. The article is devoted to the development of scientific and methodical knowledge of future history teachers at school and the practical application of best practices in teaching history at school.

Keywords: school education, history teaching, modern teaching, advanced foreign experiences, modern technologies, Finnish education system.

MAKTABGACHA YOSHDAGI BOLALARNI INTELLEKTUAL IMKONIYATLARINI RIVOJLANTIRISHNING SAMARALI YO'LLARI

Jo'rayeva Dilafro'z Shuhrat qizi

Guliston davlat universiteti tayanch doktoranti

Qisqacha mazmuni: Zamonamizning muhim shartlaridan biri bo'lgan fan rivoji va ishlab chiqarishdagi ulkan o'zgarishlar tufayli kelib chiqayotgan talablar ta'lim sohasi oldiga bir qator yangi vazifalarni qo'yimoqda. Ayniqsa, maktabgacha ta'limda mashg'ulotlarni tashkil etishda STEAM o'qitish texnologiyasi asosida yondashuv muammolari nazariy va amaliy jihatdan hozirgi zamon nuqtai nazardan juda muhim bo'lib, yangi ijtimoiy talablar asosida yanada dolzarblik kasb etadi. Hozirgi zamon ilm-fanida esa o'sib kelayotgan yosh avlodning intellektual qobiliyatini rivojlantirish, ulardagi aqliy jarayonlarni nazorat qila olish va miyaning barcha imkoniyatlaridan foydalana olish ko'nikmalarini shakllantirish eng dolzarb muammolardan biri hisoblanadi. Bunday tushuncha ta'lim tizimida intellektual qobiliyatlarini rivojlantirish masalasini, fanlararo uzviylik va bog'liqlik masalasini, shuningdek maktabgacha tayyorlov guruhlarda o'tiladigan mashg'ulotlarni STEAM o'qitish texnologiyasi asosida tashkil etishni yana bir bor ko'rib chiqish va uning mexanizmlarini ishlab chiqish zaruratini yuzaga keltiradi.

Kalit so'zlar: Shaxs, STEAM, ta'lim-tarbiya, erkinlik, innovatsion texnologiya, integratsiya, intellektual rivojlanish.

O'zbekistonda Maxsus Ta'lim Tarixi (Ko'zi Ojiz Bolalar Misolida)

Zuxra Kabulova Maxmarejabovna

O'zbekiston Milliy Universiteti doktoranti

Qisqacha mazmuni: maqolada O'zbekistondagi maxsus ta'lim tizimi ko'zi ojiz bolalar ta'limi tarixi hamda uning tashkil etilishi, ko'zi ojiz bolalar uchun ta'lim mazmunini ko'rishida nuqsoni bor bollarning shaxsiy rivojlanishi va hususiyatlari haqida yoritilgan. Ko'zi ojiz bolalarning ta'limi, ularning tafakkurini rivojlantirish uchun ta'limning turli metodlari va usullari yordamida ushbu ta'lim mazmuni vazifalariga bag'ishlanadi.

Kalit so'zlar: maxsus ta'lim, maxsus pedagogika, ko'zi ojiz bollalar ta'limi, ko'zi ojiz bolalar ta'limi hususiyatlari, ko'zi ojiz bolalar tafakkuri.

Abstract: the article describes the history of the special education system in Uzbekistan and its organization, the personal development and characteristics of visually impaired children. The education of blind children is devoted to the tasks of this educational content with the help of various methods and methods of education to develop their thinking.

Keywords: special education, special pedagogy, education of blind children, peculiarities of education of blind children, thinking of blind children.

“KECHINMA – KO'NGIL HUKMI”

Husanova Karima Faxriddin qizi

Guliston davlat universiteti magistranti

Qisqacha mazmuni: Ushbu maqolada o'zbek she'riyatining yirik namoyandalaridan biri bo'lgan shoir – Faxriyorning “Dardning shakli” deb nomlanuvchi to'plamiga kiritilgan ba'zi she'rlari atroflicha tahlil qilindi.

Kalit so'zlar: she'riyat, “Dardning shakli”, tasavvuf, sevgi, ayol, ko'z yosh, vaqt, lahza, lirika.

BOSHLANG'ICH SINIF O'QUVCHILARIDA TABIIY FANLARNI O'QITISH ASOSIDA TABIATNI ANGLASH TUSHUNCHALARINI HOSIL QILISH

Karimova Sevara Shaxriddin qizi

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Qisqacha mazmuni: Maqola bugungi kunning dolzarb mavzularidan bo'lib, Mazkur maqolada bugungi globallashuv jarayoniga xos ya'ni boshlang'ich sing o'quvchilarida tabiiy fanlarni o'qitishda tabiatni anglash tushunchalarini hosil qilish jarayonlari mavzulari yoritilgan.

Kalit so'zlar: tabiiy fanlar, ilg'or pedagogika, tabiat, globallashuv, jarayon, barqarorlik, tarbiya jarayoni, yangi axborot texnologiyalari

O'SMIRLIK DAVRIDA QADRIYATLAR TIZIMINI SHAKLLANTIRISH VA REKLAMA TA'SIRINING IJTIMOY PSIXOLOGIK XUSUSIYATLARI

Karimova Mashhura To'liqinovna

Guliston davlat universiteti magistri

Qisqacha mazmuni: Maqolada shaxs taraqiyotining tarkib topishida qadriyatlar har doim inson hayotida katta rol o'ynagani, insoniyat tarixidagi eng oliy ne'mat, oila va jamiyat hayotiga hurmat asosiy qadriyat hisoblanishi va qadriyatlarning shakllanishida oila va jamiyatning roli qay darajada ahamiyatga ega ekanligi kabi muammolarga e'tibor qaratilgan. Asosan, qadriyat yo'nalishlarini shakllantirish jarayoni inson hayotida o'smirlik davrida sodir bo'ladi. O'smir kattalarning xulq-atvoriga juda sezgir bo'lib, oilaviy tarbiya jarayonida olingan saboqlarni tez o'zlashtiradi. Oila bolani hayotga tayyorlaydi, uning ijtimoiy ideallarining birinchi va eng chuqur manbai bo'lishi bilan birga bugungi kunda ommaviy axborot vositalari hamda ijtimoiy tarmoqlar orqali taqdim qilinayotgan reklamalar o'smirning ijtimoiy psixologik xususiyatlariga ijobiy va salbiy ta'sir qilish xolatlari haqida bayon etildi.

Kalit so'zlar: ideya, mafkuraviy va ma'naviy, "qiymat", terminal, instrumental.

HIKOYA JANRINING O'ZIGA XOS XUSUSIYATLARI VA OBRAZ TUSHUNCHASI HAQIDA

Qosimova Dilfuza Rustam qizi,
Guldu Adabiyotshunoslik yo'nalishi
2-bosqich magistranti

Qisqacha mazmuni: Mazkur maqola badiiy adabiyotda hikoya janrining o'ziga xos tomonlari va obraz tushunchasi haqidagi fikr va mulohazalarni o'zida jamlagan. Shuningdek, yozuvchilarning badiiy mahorati xususida fikr-mulohazalar bayon etiladi. Badiiy adabiyotda obraz tushunchasi, uning vazifalari, badiiy asarlarda obraz qo'llash va uning o'ziga xos ahamiyati haqida ham so'z boradi.

Kalit so'zlar: badiiy asar, hikoya, poetik til, badiiy asarda tasviriylik, yozuvchi mahorati, badiiy obraz, xarakter, tahlil.

Talabalarga Qishloq Xo'jaligi Ishlab Chiqarishini Mexanizatsiyalashtirish Fanini O'qitishda Interfaol Metodlardan Foydalanish

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Qisqacha mazmuni: Maqolada qishloq xo'jaligi ishlab chiqarishini mexanizatsiyalashtirish fanini talabalarga innovatsion texnologiyalardan foydalangan holda tashkil etishning samaradorligi, o'quv jarayonida turli xil interfaol metodlarni qo'llashning unimi to'g'risida fikr va mulohazalar yuritiladi. Hozirgi kunda soha bo'yicha malakali mutaxassislariga bo'lgan talab va ushbu talabni qondirish bo'yicha bajarilishi lozim bo'lgan amaliy ishlar bo'yicha ma'lumotlar keltirib o'tiladi.

Kalit so'zlar: Innovation, muhandis, asbob-uskunalar, materiallar, pedagogik texnologiyalar, klaster, modulli yondashuv.

Abstract: The article contains opinions and comments about the effectiveness of teaching the science of mechanization of agricultural production to students using innovative technologies, the effectiveness of using various interactive methods in the educational process. Currently, information on the demand for qualified specialists in the field and the practical work to be performed to meet this demand is provided.

Keywords: Innovation, engineer, equipment, materials, pedagogical technologies, cluster, modular approach.

THE SIGNIFICANCE OF SERVICE DIVERSIFICATION IN TOURISM INDUSTRY

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Abstract: This paper aims to explore the significance of service diversification in the tourism industry and its various advantages. The study employs a qualitative research method, including extensive literature review. The findings strongly suggest that diversification of services is highly relevant to the tourism industry, as it leads to increased customer satisfaction, higher profits, and better-adapted businesses to changing customer needs. The paper concludes that tourism industry players who embrace diversification will have a competitive advantage as they will be better equipped to address customer needs.

Keywords: significance, services, diversification, tourism industry, customer needs, satisfaction

SUG'ORILADIGAN YERLARDAN FOYDALANISHNING IQTISODIY SAMARADORLIK KO'RSATKICHLARI

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Qisqacha mazmuni: Jahon iqtisodiyotining rivojlanish tendentsiyasi shundan guvohlik beradiki, kishilik jamiyatining barcha soha va jabhalarida, ayniqsa global iqlim o'zgarishi ta'sirida sayyoramizning ko'plab mintaqalarida tobora avj olayotgan qashshoqlik va ocharchilikka barham berishning asosiy omillaridan biri sifatida qishloq xo'jaligi mahsulotlari yetishtiruvchi, shuningdek ularga turli yo'nalishlarda xizmat ko'rsatuvchi sub'ektlarning xo'jalik yuritish faoliyatlarini innovatsiyalar

asosida tashkil etish strategik ahamiyat kasb etgani holda, ushbu jarayonni uzluksiz takomillashtirish davr talabiga aylanib bormoqda.

Kalit so'zlar: jahon xo'jaligi, milliy iqtisodiyot, qishloq xo'jaligi, yer resurslari, oziq-ovqat xavfsizligi, yashil iqtisodiyot, yashil o'sish.

Abstract: The trend of development of the world economy testifies to the fact that as one of the main factors in ending the ever-growing poverty and famine in all spheres and spheres of human society, especially in many regions of the planet under the influence of global climate change, the organization of economic activities of agricultural producers, as well as entities serving them in, continuous improvement of this process is becoming a requirement of the period.

Keywords: world economy, national economy, agriculture, land resources, food security, green economy, green growth.

BOSHLANG'ICH SINIF MATEMATIKA DARSLARIDA XORIJIY MATERIALLARDAN FOYDALANISHNING AHAMIYATI

Maxsudova Sohiba Karimkul qizi

Guliston davlat universiteti tayanch doktorant

Majidova Ro'za Tulaboy qizi

Guliston davlat universiteti Pedagogika fakulteti 2-bosqich talabasi,

Qisqacha mazmuni: Ushbu maqolada bugungi kunda O'zbekistonda ta'lim sifatini oshirish maqsadida, birinchi o'rinda boshlang'ich sinflardan boshlash kerakligi va Boshlang'ich sinf matematika darslarida chet el andozalaridan foydalanish haqida so'z boriladi.

Kalit so'zlar: andoza, strategiya, material, Finlandiya ta'lim tizimi, dastur.

KONSTRUKTIVIZM NAZARIYASI

Saytkulova Delfiza Yunusovna

Angren shahar 14-umumiy o'rta ta'lim maktabi psixologi

Qisqacha mazmuni: Ta'lim maqsadlarini hamda o'quv muammolari va vazifalarini shunday belgilash o'quvchilarning dars materiali bo'yicha chuqurroq fikrlashi, ularni mazmunli bahs-munozaraga jalb qilish, o'z nuqtai- nazarlarini, mulohazalarini va taxminlarini aytish motivlarini shakllantiradi.

Kalit so'zlar: konstruktivizm, fikrlash faoliyati, dunyoqarashi, konsultant, tashkilotchi, muvofiqlashtiruvchi.

RAQAMLI TEXNOLOGIYALARNING BOSHLANG'ICH TA'LIMDAGI MAZMUN- MOHIYATI

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Qisqacha mazmuni: Boshlang'ich ta'lim bu O'zbekiston ta'lim tizimining eng quyi va eng ahamiyatli nuqtasida. Zamon jadallashuvi natijasida ilm-fanning yuksalishi boshlang'ich ta'limga turli yangiliklarni olib kirmoqda. Yangi texnologiyalar, yangi metodlar va yangi o'quv qo'llanmalar. Chunki, 10 yil oldingi bolani fikrlashi bilan hozirgi bolalarning fikrlashi o'rtasida katta farq bor. Bu degani, biz eski texnologiyalarni qo'llash olmaymiz, har yil ushbu qo'llayotgan usullarimizni yangilab borishimiz zarur. Hozirgi kunda raqamli texnologiyalar judayam keng qamrovni egallab bormoqda. Bu kabi texnologiyalarni boshlang'ich ta'limda ham qo'llasa bo'ladi, qanaqa salbiy va ijobiy tomonlari yoxud ta'sirlari mavjud, ta'lim tizimida bu kabi texnologiyalar kerakmi, raqamli texnologiya o'zi bu nima, ushbu texnologiyalarning afzalliklari nimada, shu kabi savollarga javob berishga harakat qilamiz.

Kalit so'zlar: raqamli texnologiya, boshlang'ich ta'lim, raqamlashtirilgan, global jarayon, motivatsiya, rivojlanish, virtual dunyo

Abstract: Primary education is the lowest and most important point of the educational system of Uzbekistan. As a result of the acceleration of time, the rise of science brings various innovations to primary education. New technologies, new methods and new tutorials. Because there is a big difference between the thinking of a child 10 years ago and the thinking of today's children. This means that we cannot use old technologies, we need to update the methods we use every year. Nowadays, digital technologies are very widespread. We will try to answer such questions as to whether such technologies can be used in primary education, what are the negative and positive aspects or effects, whether such technologies are needed in the education system, what is digital technology, what are the advantages of these technologies.

Keywords: digital technology, primary education, digitized, global process, motivation, development, virtual world

KASBIY KO'NIKMA VA MALAKALARNI SHAKLLANTIRISH**Shaismatova Nadira Abduvajitovna**

Toshkent viloyati Angren shahar XTB ga qarashli 29-umumiy o'rta ta'lim maktabi amaliyotchi psixologi

Qisqacha mazmuni: Insonning ongli va maqsadga yo'naltirilgan faoliyati tarkibida muhim professional vazifalar, ularning komponentlari hamda o'qish jarayonida olingan bilimlar mehnat tajribasi ta'sirida murakkablashadi.

Kalit so'zlar: ko'nikma, malaka, dinamik stereotip, nerv sistemasi, mashq.

BO'LAJAK BOSHLANG'ICH SINIF O'QITUVCHILARIDA MILLIY MA'NAVIY QADRIYATLARINI RIVOJLANTIRISH**Siddiqova Yulduz Muhitdin qizi**

Guliston davlat pedagogika instituti, 2-kurs tayanch doktoranti

Qisqacha mazmuni: Ushbu maqola bugungi kunning dolzarb mavzularidan bo'lib, Mazkur maqolada bugungi globallashuv jarayoniga xos bo'lajak o'qituvchilarni sharq mutafakkirlari qarashlaridan foydalangan holda ma'naviy madaniyatini rivojlantirishning o'rni yoritilgan.

Kalit so'zlar: globallashuv, jarayon, barqarorlik, tarbiya jarayoni, milliy qadriyatlar, meros.

FORMATION OF CREATIVE THINKING CAPABILITIES OF STUDENTS OF PRE-SCHOOL EDUCATION ORGANIZATION BASED ON STEAM TECHNOLOGY

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Abstract: This article discusses the introduction of STRAM technology in preschool education, the importance of creative thinking in preschool children, the characteristics of creativity, the main characteristics of creative thinking, ways to develop creative thinking, and the necessary skills for developing creative thinking. held. Recommendations are also given on the formation of creative thinking abilities of students in the performance of the tasks given in the "Ilk Qadam" program.

Keywords: Preschool education, Concept, STEAM, creative thinking, creative thinking, logical thinking, First Step program, creativity, creativity, creativity, initiative

YOSHLARDA DUNYOQARASHNI SHAKLLANTIRISHNING PSIXOLOGIK XUSUSIYATLARI

Abdullaeva Go'zal Urinbaevna

Toshkent viloyati Angren shaxar XTB ga qarashli 19-umumiy o'rta ta'lim maktabi amaliyotchi psixologi

Qisqacha mazmuni: Jahon va ilmiy tadqiqot ta'lim muassasalarida mustaqil fikrlaydigan, zamonaviy bilim va kasb-hunarni egallagan, mustahkam hayotiy pozitsiyaga ega bo'lgan yoshlarni tarbiyalash bo'yicha keng ko'lamdagi ishlar amalga oshirilib, dunyoning turli mintaqalari va alohida davlatlarida destruktiv holatlarning kuchayishi natijasida yoshlar, ayniqsa, maktab o'quvchilarining individual-psixologik va ijtimoiy rivojlanishida ijtimoiy muhit, yon-atrofdagilarning ta'sirini tadqiq qilish, o'smir va o'spirin yoshidagi o'quvchilarda yuqori darajadagi asabiylik va qo'zg'aluvchanlik, o'zgalar va yon-atrofdagilar bilan munosabatlarini o'rganish bo'yicha tadqiqotlar olib borilmoqda.

Kalit so'zlar: tafakkur, ong, psixologik xizmat ko'rsatish, mojaro va

ziddiyatlar, tinch-farovon xayot.

MEHNAT FAOLIYATIDA PSIXIK XUSUSIYATLAR

Abdullayeva Nilufar Mirzakulovna

Toshkent viloyati Angren shahar

7-umumiy o'rta ta'lim maktabining

amaliyotchi psixologi

Qisqacha mazmuni: Ma'lumki, kasb tanlash, kasbga yo'naltirish haqida qanchalik fikr yuritmaylik, maxsus testlarni ishlab chiqmaylik, baribir hayotda kim bo'lish kerakligini ota-ona ham bitiruvchi ham bilmaydi. Shuning uchun mehnat faoliyatda psixik xususiyatlarni o'rganish har bir psixolog uchun zarurdir.

Kalit so'zlar: diqqat, attention xususiyat, mnemik xususiyat, xarakat xotirasi, xayol, obraz, ko'rgazmali-obrazli tafakkur, xarakter, temperament.

ИНТЕРДИСЦИПЛИНАРНЫЕ МЕТОДЫ ОБУЧЕНИЯ В РАМКАХ ОБРАЗОВАНИЯ

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Аннотация: в статье отражены теоретические предпосылки развития интердисциплинарности в образовательном процессе, проанализированы определения «интердисциплинарности», различающиеся пониманием содержания. Раскрыто единство функций обучения в условиях интердисциплинарности. Рассматривается целостность, взаимосвязь и единство знаний, разносторонняя образованность личности через интердисциплинарность в образовательном процессе. Представлены выводы, сделанные в результате обобщения итогов анализа специальной литературы о том, что интердисциплинарность в образовании способствует как формированию активной позиции обучающегося в процессе обучения, так и реализации основных идей и методов педагогики.

Ключевые слова: интердисциплинарность, развитие личности, междисциплинарность, интердисциплинарные методы обучения, проектное обучение, проблемное обучение, мультимодальное обучение, трансдисциплинарное обучение.

Abstract: The article reflects the theoretical prerequisites for the development of interdisciplinarity in the educational process, analyzes the definition of "interdisciplinarity" with different understanding of the content. The unity of learning functions in the conditions of interdisciplinarity is revealed. Integrity, interrelation and unity of knowledge, versatile personality development through interdisciplinarity in the educational process are considered. The conclusions, made as an outcome of special literature analysis generalization, concerning the fact that interdisciplinarity in education promotes both formation of the student's active position in the process of learning and realization of the main ideas and methods of

pedagogy, are presented.

Keywords: interdisciplinarity, personality development, interdisciplinarity, interdisciplinary teaching methods, project-based learning, problem-based learning, multimodal learning, transdisciplinary learning.

SIFATLI TA'LIMNI TASHKIL ETISHDA TABIIY-ILMIY DUNYOQARASHNI RIVOJLANTIRUVCHI SCIENCE-LABORATORIYALARNING NAZARIY ASOSLARI

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Qisqacha mazmuni: maqolada tabiiy ilmiy dunyoqarashni shakllantirishda biologik va tabiiy fanlarga doir bilimlar zaruriyati asoslangan bo'lib, o'quvchilar tabiiy savodxonligini rivojlantirishda amaliy tajribalar dolzarb ekanligi yoritilgan. Tabiiy savodxonlik asosan tabiiy fanlar doirasida shakllantirilib, amaliy – kreativ tajribalar va laboratoriya ishlari asosida mustaxkamlanishi ta'kidlangan. Maqola o'quvchilarning tabiiy ilmiy dunyoqarashini rivojlantiruvchi Science-laboratoriyalar tashkil etish va ularning xalq ta'limi tizimidagi zaruratiga bag'ishlangan.

Kalit so'zlar: Science-laboratoriyalar, tabiiy savodxonlik, sifatli ta'lim, tabiiy-ilmiy dunyoqarash, biologiya, tabiiy fanlar, tibbiy savodxonlik, kreativlik, ijodkorlik.

Abstract: the article is based on the need for knowledge of biological and Natural Sciences in the formation of a natural scientific worldview, and it is noted that practical experiments are relevant in the development of natural literacy of students. It is emphasized that natural literacy is formed mainly within the framework of Natural Sciences and is integrated on the basis of practical – creative experiments and laboratory work. The article is devoted to the creation of Science-laboratories that develop the natural scientific worldview of students and their need in the system of public education.

Keywords: Science-laboratories, natural literacy, quality education, natural-scientific worldview, biology, natural sciences, medical literacy, creativity, creativity.

ИННОВАЦИОННЫЕ МЕТОДЫ ОБУЧЕНИЯ В СПОРТИВНОМ ОБРАЗОВАНИИ

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Аннотация: В статье анализируются инновационные методы проведения занятий по физической культуре. Приводятся некоторые нетрадиционные инновационные методы организации занятий физической культурой.

Ключевые слова: инновационные методы, физическая культура, физическое воспитание, занятия, обучающиеся.

KICHIK MAKTAB YOSHIDAGI BOLALARNING XULQ-ATVOR XUSUSIYATLARI

Kamilova Nafisaxon Ergashevna

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Qisqacha mazmuni: O'quvchi bolalar shaxsi shakllanishi o'z mohiyati jihatidan katta kishilarning hatti-harakatlari va xulq-atvorlariga faol taqlid qilishdan iborat bo'lishi tufayli bolalarda ma'naviy sifatlarning mustahkamlanishi uchun va odob-axloq qoidalarini bilib olishlari uchun keng imkoniyatlar beradi.

Tayanch so'zlar: tobe, yosh davrlari, ontogenetik, kichik maktab yoshi, psixologik tayyorgarlik.

YOSHLARNI KASB TANLASHGA YO'NALTIRISH IJTIMOY VOQELIK SIFATIDA

Mamanazarova Manzuraxon Abdualievna

Angren shaxar xtbga karashli 14- umumiy urta maktab amaliyotchi psixologi

Qisqacha mazmuni: Kelajak yoshlarimiz davr talablariga og'ishmay javob beradigan, qiziqishi keng, malakasi mustahkam, xotirasi barqaror, fikr yuritishi puxta, izlanuvchan, mehnatsevar, vatanparvar, iymon – e'tiqodli insonlar bo'lib voyaga yetishsin.

Kalit so'zlar: fan va texnika, o'z kasbi, raqobatbardosh, havaslar, intilishlar, motivlar, ehtiyojlar.

TALABA MUSTAKIL ISHINI TASHKIL ETISHDA YANGI INNOVATSION TEXNOLOGIYALAR

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Qisqacha mazmuni: Mazkur maqolada mustaqil ta'limni tashkil etish, ta'lim oluvchining faolligini kuchaytirib, uning ijodiy qirralarini ochishga yordam beradigan ta'lim vositalari hamda talabalarning tafakkurini rivojlantiruvchi zamonaviy texnologiyalar to'g'risida ma'lumotlar berilgan.

Kalit so'zlar: innovatsiya, innovatsion texnologiya, mustaqil ta'lim, talaba

BOLALAR VA O'SMIRLAR SPORT MAKTABLARIDA JISMONIY MADANIYATNI RIVOJLANTIRISHGA QARATILGAN FAOLIYAT

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Qisqacha mazmuni: Maqolada bugungi o'quvchi-yoshlar har tomonlama etuk, zamonaviy bilim va ko'nikmalarni egallagan, jismonan baquvvat va barkamol bo'lishlari nihoyatda muhim ahamiyat kasb etuvchi omillardan biri - jismoniy tarbiya va sportning ahamiyati yoritilgan.

Kalit so'zlar: bolalar, o'smirlar, jismoniy madaniyat, salomatlik, sport

ПРЕПОДАВАНИЕ ОСНОВ ОБРАЗОВАТЕЛЬНОЙ РОБОТОТЕХНИКИ В ДИСТАНЦИОННОМ ФОРМАТЕ

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Аннотация: Статья направлена на анализ возможностей применения симуляторов при обучении основам образовательной робототехники в условиях дистанционной формы обучения. Описываются методы и технологии, которые используются при обучении робототехнике, такие как программирование, электроника, механика и другие. Основным результатом является разработанная методика обучения основам образовательной робототехники в дистанционном формате, основанная на практической работе с виртуальными микроконтроллерами и программными средствами для работы с ними в симуляторе Tinkercad.

Ключевые слова: образовательная робототехника, дистанционный формат, Arduino, симуляторы, Tinkercad, программирование, C++.

NONLINEAR VIBRATIONS OF A BODY MOUNTED ON VISCOELASTIC OSCILLATING SUPPORTS

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Abstract: The paper considers nonlinear vibrations of a solid body mounted on viscoelastic supports. The equations of motion of the system are derived from the Lagrange equations of the second kind for systems with a finite number of degrees of freedom. A method for solving the problem is developed and numerical results are obtained, the influence of nonlinearity on the displacement amplitudes is estimated.

Keywords: nonlinear oscillations, solid, oscillation, lagrange equations, viscoelastic support, degree of freedom

PROPAGATION OF OWN WAVES IN A VISCOELASTIC CYLINDRICAL PANEL OF VARIABLE THICKNESS

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Abstract: The paper considers the problem of propagation of natural waves in a viscoelastic cylindrical panel of variable thickness. A mathematical formulation, a solution technique and an algorithm for wave propagation problems in viscoelastic cylindrical panels of variable thickness are formulated. To derive the shell equations, the principle of possible displacements was used (within the framework of the Kirchhoff–Love hypotheses). Using the variational equation and physical equations, a system consisting of eight differential equations is obtained. After some transformations, a spectral boundary value problem on a complex parameter is constructed for a system of eight ordinary differential equations with respect to complex functions of the form. Dispersion relations for the cylindrical panel are obtained, numerical results are obtained and an analysis is made. It is established that in the case of a wedge-shaped cylindrical panel, for each mode, there are limiting propagation velocities with an increase in the wave number that coincide in magnitude with the corresponding velocities of normal waves in a wedge-shaped plate of zero curvature.

Keywords: variational equation, panel of variable thickness, shell equation, natural waves, spectral boundary value problem, complex frequency

PROPAGATION OF SHEAR WAVES IN VISCOELASTIC TWO-LAYER MEDIA

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Abstract: The problem of propagation of shear waves in a viscoelastic inhomogeneous two-layer medium is considered, when one layer is exponentially inhomogeneous, in particular, a homogeneous viscoelastic can be. The main purpose of the work is to develop a methodology and algorithm for solving the problem of wave propagation in layered media. For the mathematical formulation of the problem, the Lamé equation and the corresponding boundary conditions are used. The obtained dispersion equation describing the relationship between frequency and wavenumber is investigated. The equation of dispersion relations is solved numerically by the Muller method. For dissipative inhomogeneous mechanical systems, it is found that there is a finite number of waves if the velocity of the shear wave propagation is greater than the velocity of the bulk wave of the first layer. It is also established that there are no shear waves propagating at a speed less than the minimum velocity of the volume wave of the first layer. For a viscoelastic material, a Pohhammer-type frequency equation is obtained and the dispersion of the complex phase velocity is determined. The viscoelastic properties of the material are described using the Rzhaniysyn–Koltunov inheritance kernel. Damping properties of the structure are evaluated.

Keywords: wave, layer, free boundary, contact conditions, dispersion relations

NONLINEAR VIBRATIONS OF A BODY MOUNTED ON VISCOELASTIC OSCILLATING SUPPORTS

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Abstract: The paper considers nonlinear vibrations of a solid body mounted on viscoelastic supports. The equations of motion of the system are derived from the Lagrange equations of the second kind for systems with a finite number of degrees of freedom. A method for solving the problem is developed and numerical results are obtained, the influence of nonlinearity on the displacement amplitudes is estimated.

Keywords: nonlinear oscillations, solid, oscillation, lagrange equations, viscoelastic support, degree of freedom

ИГРОВЫЕ ТЕХНОЛОГИИ НА УРОКАХ РУССКОГО ЯЗЫКА И ЛИТЕРАТУРЫ

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Аннотация: Статья посвящена проблеме создания учебно-игрового дискурса на уроках русского языка и литературы. В настоящее время в связи с модернизацией образовательных технологий, большое внимание уделяется развивающему обучению в котором особую значимость имеют игровые задания, служащие основой учебно-игрового дискурса. Игра является одним из важных средств , помогающим формировать культуру ребенка, приобщающим его к знаниям и умениям, накопленным человечеством. Создание учебно-игрового дискурса на уроках русского языка и литературы способствует повышению мотивации к изучению этих предметов. Для создания благоприятных условий для работы механизмов памяти используются такие

приемы как грамматикализация высказываний, шаблонность и однородность лексики, повторение, антонимы, синонимы и их соединение в цепочки, социокультурная, историческая или идеологическая окраска лексики, разное оформление основных и вспомогательных учебных кадров.

Ключевые слова: учебно-игровой дискурс, интерес, мотивация, проектная деятельность, русский язык, литература, читательские конференции, тетрадь-справочник, языковое досье.

Abstract: The article is devoted to the problem of creating an educational-game discourse in the lessons of the Russian language and literature. Currently, in connection with the modernization of educational technologies, much attention is paid to developmental learning, in which game tasks are of particular importance, which serve as the basis for educational and game discourse. The game is one of the important means that helps to form the culture of the child, introducing him to the knowledge and skills accumulated by mankind. The creation of an educational-game discourse in the lessons of the Russian language and literature helps to increase the motivation to study these subjects.

To create favorable conditions for the work of memory mechanisms, such techniques as grammarization of statements, the pattern and uniformity of vocabulary, repetition, antonyms, synonyms and their connection to chains, sociocultural, historical or ideological coloring of vocabulary, and different design of basic and auxiliary training staff are used.

Keywords: educational and game discourse, interest, motivation, project activity, Russian language, literature, reader conferences, notebook, linguistic dossier.

ФЛОРОНИМЫ В РУССКОЙ И УЗБЕКСКОЙ ЯЗЫКОВЫХ КАРТИНАХ МИРА FLORONYMS IN THE RUSSIAN AND UZBEK LINGUISTIC WORLD PICTURES

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Аннотация: в данной статье рассматриваются русские и узбекские номинации растительного мира с позиций лингвокультурологии. Актуальность темы статьи определяется тем, что в современной лингвистике постоянный интерес представляют проблемы, связанные с изучением взаимоотношений человека и природы в лингвокультурологии. В связи с тем, что этот вопрос не получил подробного освещения, возникает необходимость в определении национально-культурного характера русской и узбекской флоронимии в лингвокультурологическом аспекте.

Ключевые слова: флороним, языковая картина мира, фитонимическое пространство, лексема, национальный концепт, символ, ассоциация, культурная детерминированность, лингвокультурологический комментарий.

Abstract: this article examines the Russian and Uzbek nominations of the plant world from the point of view of linguoculturology. The relevance of the topic

of the article is determined by the fact that in modern linguistics, problems related to the study of the relationship between man and nature in linguoculturology are of constant interest. Due to the fact that this issue has not received detailed coverage, it becomes necessary to determine the national-cultural nature of Russian and Uzbek floronymy in the linguoculturological aspect.

Keywords: floronym, linguistic picture of the world, phytonymic space, lexeme, national concept, symbol, association, cultural determinism, linguoculturological commentary.

YOSHLAR NIGOHIDA OILA HAQIDAGI TASAVVURLAR

Shamshiyeva Zaynab Ergashevna

Angren shahar 7-umumiy o'rta ta'lim, maktabi amaliyotchi psixologlari

Qisqacha mazmuni: Oila xalqning, jamiyatning hayoti, turmushiga oid urf-odatlarini o'zida sinovdan o'tkazadi. Yaxshilarini o'z bag'rda asrab-avaylab kelajak avlodlarga yetkazadi. Oila o'z farzandlarini tarbiyalab, ularga umuminsoniy qadriyatlarini singdirish bilan ularga boshlang'ich ij-timoiy yo'nalish beradi.

Kalit so'zlar: oila, modernizatsiya, oilaviy daromad, migratsiya, nikoh ajrimlar, oila qurish motivlari, nikoh yoshi, yoshlarni oilaga tayyorlash.

UZLUKSIZ KASBIY RIVOJLANTIRISH TIZIMIDA MATEMATIKA O'QITUVCHILARNING STOXASTIKA BO'YICHA KASBIY MAHORATLARINI OSHIRISH MASALALARI

Tashtemirova Nargiza Nematovna

A.Avloniy nomidagi milliy tadqiqot instituti

Qisqacha mazmuni: Mazkur maqolada uzluksiz malaka oshirish jarayonining mazmunini takomillashtirish va samarali tashkil etish masalalari, jumladan matematika fani o'qituvchilarining stoxastik savodxonligini oshirish va uni o'qitish metodikasi xususida fikrlar bayon etilgan.

Kalit so'zlar: matematika, stoxastik savodxonlik, uzluksiz kasbiy rivojlantirish, dastur, kombinatorika, ehtimollik.

MAKTABGACHA TA'LIM TASHKILOTLARIDA OCHIQ MASHG'ULOTLARNI TASHKIL ETISH METODIKASI

Fayzieva Mabudaxon Muxammadjonovna,

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Guliston Davlat universiteti

Qisqacha mazmuni: Hozirda maktabgacha ta'lim tizimi oldida ochiq mashg'ulotlarni tashkil etish va tahlil qilishning ahamiyatini ochib berish muammosi turibda. Bu muammoni hal etishda ta'lim jarayoniniga tayyorgarlik

ko'rish va tahlil qilishning zamonaviy usullarini qo'llash va ularni takomillashtirish bilan belgilanadi. Tadqiqodchining nazariyasiga binoan, kuzatish va tahlil etishning zamonaviy tomonlari ochib berilgan.

Kalit so'zlar: ochiq mashg'ulot, ta'lim jarayonini, nazorat, tahlil qilishning, kuzatish, takomillashtirish, zamonaviy usullar.

Abstract: At present, the system of preschool education faces the problem of identifying the importance of organizing and analyzing open lessons. The solution to this problem is determined by the use of modern methods of preparing and analyzing the educational process and their improvement. The theory of the researcher, modern aspects of observation and analysis are revealed.

Keywords: open learning, learning process, control, analysis, observation, improvement, modern methods.

TA'LIM VA KADRLAR TAYYORLASHDA FAN, TA'LIM VA ISHLAB CHIQARISH INTEGRATSIYASI O'RNI

Raxmatov Kamoliddin Uralovich

Guliston davlat universiteti "Iqtisodiyot" kafedrasi katta o'qituvchisi

Qisqacha mazmuni: Dunyodagi ko'plab universitetlarning muhim xususiyati, ularning asosiy vazifasi – mutaxassislar tayyorlashdan tashqari, ta'lim, fan va ishlab chiqarishni integratsiyalashuv omili hisoblanadi. Nazariy jihatdan bu omil olimlarga g'oyalarni tayyor ilmiy mahsulot ko'rinishida amalga oshirish, talabalarga sifatli ta'lim, universitetga esa venchur kapital qo'yilmalaridan qo'shimcha daromad olish imkoniyatini beradi. Hozirgi bosqichda ko'plab amerikalik, yevropalik, yaponiyalik, xitoylik va koreys olimlari eng samarali integratsiya mexanizmlarini aniqlashga, tarixiy tajribani qayta ko'rib chiqishga harakat qilmoqdalar.

BOSHLANG'ICH SINFO'QUVCHILARIDA EKSKURSIYA TURIZMI VOSITASIDA VATANPARVARLIK TUYG'USINI RIVOJLANTIRISHNING SHAKLI VA METODLARI

Abrorxonova Kamolaxon Abrorxonovna

Boshlang'ich ta'lim pedagogikasi kafedrasi mudiri, (PhD) dotsent

Xudoyberdiyeva Sayyora Qilich qizi

Boshlang'ich ta'lim yo'nalishi 3-bosqich talabasi, Nizomiy nomidagi TDPU

Qisqacha mazmuni: Boshlang'ich sinf o'quvchilarini vatanparvarlik ruhida tarbiyalash har doim maktabning eng muhim vazifalaridan biri bo'lib kelgan, chunki bolalik va yoshlik Vatanga muhabbatning muqaddas tuyg'usini singdirish uchun eng qulay davrdir. Vatandarparvarlik tarbiyasi deganda boshlang'ich sinf o'quvchilarda o'z vataniga muhabbat hissini bosqichma-bosqich va barqaror shakllantirish tushuniladi. Vatandarparvarlik har tomonlama rivojlangan shaxsning eng muhim xususiyatlaridan biridir. Boshlang'ich sinf o'quvchilarida o'z Vatani, o'z xalqi bilan faxrlanish, uning

erishgan ulkan yutuqlari, o'tmishning munosib sahifalariga hurmat tuyg'ularini shakllantirish zarur.

Boshlang'ich sinf o'quvchilarida mediamadaniyatni shakllantirishda zamonaviy texnologiyalardan foydalanib matematika darslarini tashkil qilish

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Qisqacha mazmuni: Mazkur maqolada bugungi kunda axborot kommunikatsiya texnologiyalari hayotimizga dadil kirib kelayotganligi, matematika darslarida o'quvchilarni fikrlash qobiliyatini shakllantirish maqsadida kompyuterdan foydalanishlari va mediasavodxonligi, matematika fanini o'qitishda innovatsion yondashuvlar, boshlang'ich sinf o'quvchilarida matematika fanlarini o'qitish to'g'risida fikr yuritilgan.

Kalit so'zlar: texnologiya, matematika, innovatsion ta'lim, axborot kommunikatsiya texnologiyalarim, elektron ishlanma, metod.

MODERN TECHNOLOGIES IN FOREIGN LANGUAGES LESSONS FOR ENGLISH TEACHERS AND OTHER LANGUAGE TEACHERS

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Abstract: The article is about the scientific and theoretical basis for the development of students' scientific competencies on the basis of streaming technologies, their scientifically substantiated proposals to improve them on the basis of modern requirements and the combination of quality and effectiveness of education.

Keywords: paradigm, trend, strimming, technology, skill, competence, didactic principles.

A COMPETENCY-BASED APPROACH IS AN INNOVATIVE FACTOR IN A PERSON-CENTERED APPROACH TO EDUCATION

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Abstract: In the world pedagogical practice, an innovative approach to the student is applied with a special emphasis on the development of interactive technologies for the formation of communicative competence, the improvement

of pedagogical mechanisms for creating a communicative learning environment. To develop the communicative competence of secondary school students, a set of socio-psychological trainings, communicative strategies, practical use of language abilities, personal qualities of the speaker and listener, speech strategy and tactics of evidence-based, multimedia technologies has been developed. The article describes the origins of the competency-based approach, the main result of the educational process, and also assesses the quality of education in international studies to identify promising areas for combining the communicative potential and capabilities of students with their life activities.

Keywords: competence approach, pupils, secondary schools, communicative educational sphere.

OILADAGI ZO'RAVONLIKLARNING IJTIMOY-PSIXOLOGIK XUSUSIYATLARI

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Guliston davlat universiteti doktranti

Qisqacha mazmuni: Maqolada shaxsning ma'naviy va ahloqiy tomonlariga alohida urg'u bergan holatda ijtimoiy hayotga to'g'ri tarbiyalashda oilaning o'rni, shaxslar bilan bo'ladigan ijtimoiy munosabatlar jarayonida o'zini tutish, shaxsiy o'rnak ko'rsatish, shaxslararo munosabatlarga alohida ahamiyat qaratish, dunyoqarashni kengaytirish kabi insoniy xususiyatlarning muhimligi, har qanday huquqbuzarlikning kelib chiqishida oiladagi nosog'lom ijtimoiy-psixologik muhit muhim ro'l o'ynaydi.

Kalit so'zlar: Tazyiq, zo'ravonlik, zo'ravonlikning jismoniy, ruhiy, jinsiy yoki iqtisodiy turlari.

MAKTABGACHA VA MAKTAB TA'LIMI VAZIRLIGI TIZIMIDA MUROJAATLARNING IJTIMOY PSIXOLOGIK XUSUSIYATLARI

Xolmirzaev Abdumanno Subxonovich

Maktabgacha va maktab ta'limi vazirligi, yetakchi mutaxassis

Qisqacha mazmuni: O'zbekiston Respublikasida davlat organlari va davlat muassasalariga, shuningdek ularning mansabdor shaxslariga jismoniy va yuridik shaxslarning murojaatlari sohasidagi munosabatlar O'zbekiston Respublikasining 2017 yil 11 sentabrdagi "Jismoniy va yuridik shaxslarning murojaatlari to'g'risida"gi O'RQ-445-sonli Qonuni va Vazirlar Mahkamasining 2018 yil 7 maydagi "Davlat organlarida, davlat muassasalarida va davlat ishtirokidagi tashkilotlarda jismoniy va yuridik shaxslarning murojaatlari bilan ishlash tartibi to'g'risidagi Namunaviy nizomni tasdiqlash haqida"gi 341-sonli qarori hamda bir qator qonun osti hujjatlar bilan tartibga solingan.

Ajdodlar Ma'naviy-Ma'rifiy Merosida Interdisiplinar Yondashuv

(Ahmad Donish qarashlari misolida)

Miltiqboyev Bobur Zokirovich

Sirdaryo viloyati Guliston tumanidagi 14-umumta'lim maktabi tarix fani o'qituvchisi

Qisqacha mazmuni: Ushbu maqolada XIX asrda yashab ijod etgan mashhur alloma Ahmad Donishning nikoh va oila munosabatlari haqidagi dolzarb fikrlar bayon etilgan. Ularning bugungi kundagi ahamiyati ilmiy-ma'naviy fikrlar asosida yoritib berilgan.

Kalit so'zlar: nodir voqealar, Buxoro amirlarining tarjimai xollari, nikoh, oila, oilaviy munosabatlari, oilaning obodligi, oilaning barbodligi, oilaning jamiyatdagi o'rnini, oilaga interdisiplinar yondashuv, oilaning funksiyalari va boshqalar.

Abstract: This article describes the current thoughts of the famous scholar Ahmed Donish, who lived and worked in the 19th century, about marriage and family relations. Their importance today is explained on the basis of scientific and spiritual thoughts.

Keywords: rare events, biographies of Bukhara emirs, marriage, family, family relations, family prosperity, family failure, family's place in society, interdisciplinary approach to family, family functions, etc.

THE PROCESS OF FORMING THE METHODOLOGICAL CULTURE OF FUTURE TEACHERS ON THE BASIS OF INNOVATIVE THINKING

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Abstract: Modern society has its own rapidly and profoundly changing character, and such changes are manifested in the structures of social structures, including relations between independent states, the individual and society, demographic policy, and urbanization processes. Education, as a separate component of the structure of the world community, must take into account all the changes taking place in society, and on this basis change its structure and content of activity. Today, the fact that education lags behind the pace of development of society, the technologies used in the educational process do not fully meet modern requirements, is often recognized by the world community. This article analyzes the process of formation of the methodological culture of future teachers based on innovative thinking.

Keywords: methodical culture, language, students, innovative thinking, future teachers.

ETNOGRAFIK ZMMLAR ASOSIDA SHAKLLANGAN XALQ MAQOLLARINING LINGVISTIK XUSUSIYATLARI

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Qisqacha mazmuni: Xalq maqollari lingvistik va madaniy bilimlarning boy manbai bo'lib, odamlarning fikrlash va muloqot qilish usullari haqida tushuncha beradi. Ushbu maqollar etnografiya asosida shakllanadi, ya'ni ular ma'lum bir madaniy guruh yoki jamoaning urf-odatlarini, an'analarini, e'tiqodlarini va qadriyatlarini aks ettiradi. Lingvistik jihatdan xalq maqollari ularni boshqa nutq shakllaridan ajratib turadigan ma'lum xususiyatlar bilan ajralib turadi. Ushbu maqolada etnografik zmlar asosida shakllangan xalq maqollarining ba'zi lingvistik xususiyatlari o'rganildi.

Kalit so'zlar: naql, maqol, ibora, matal, etnografizm, etnos.

Abstract: Folk proverbs are a rich source of linguistic and cultural knowledge, providing insight into the ways people think and communicate. These proverbs are formed on the basis of ethnography, that is, they reflect the customs, traditions, beliefs and values of particular cultural group or community. Linguistically, folk proverbs are distinguished by certain features that distinguish them from other forms of speech. In this article, we will study some linguistic features of folk Proverbs formed on the basis of ethnography.

Keywords: transplant, article, phrase, matal. ethnography, ethnos.

SOCIAL STUDIES FOR STUDENTS WITH LIMITED ENGLISH KNOWLEDGE

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Abstract: This article discusses some challenges that social studies presents to LEP students and one effort undertaken to increase the meaning and relevance of this core subject to students who are learning English while they are learning social studies. The language objectives promote development in listening, speaking, reading, and writing skills, with specific attention to language tasks required in a social studies class, such as reading for specific information, taking notes, listening for details, presenting an oral report, and writing a comparison essay. The thinking and study skill objectives lead teachers to pose more higher-order questions and fewer rote-style tasks--asking students, for example, to make inferences and recognize symbolism.

Keywords: challenging, proficiency, significantly, symbolism, prevalent, demographic, expand, linguistic, presumption, curriculum, manipulative,

INTERACTIVE TEACHING METHODS AND ADVANTAGES OF USING GAMES IN THE CLASSROOM

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Abstract: the following article gives factual information about the process of language teaching in the classroom, coming from the environment created in it. Author's is on the use of methods to activate language operation among the learners. She points out that, using games while teaching foreign language is the most effective way to urge them to participate in the classroom actively.

Keywords: using games, practice, language, teacher, students, opportunity.

EFFECTIVENESS OF CLIL AND INFORMATION COMMUNICATION TECHNOLOGIES IN TEACHING FOREIGN LANGUAGES

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Abstract: The role of CLIL and ICT and their effectiveness in education is given in the following article. Furthermore, the authors noted their thoughts about language learning and some methods of teaching English based on increased effectiveness. Particularly, we get certain details about the successful processing of English language learning procedures with the use of CLIL and ICT.

Keywords: Content, Language, teaching methods, communicative approach, interactive ways, technology, integrated learning, process, development , methods, techniques, communicative competence, effectiveness, ICT.

FEATURES OF THE TRANSLATION OF ENGLISH PHRASEOLOGICAL UNITS WITH THE COMPONENT-ZOONYM

Ummatova M.

Teacher, Gulistan State University

Abstract: This article is devoted to the study of the problems of translation of English phraseological units with a component-zoonym. The work is written on the basis of studying and generalizing the materials of lexicographic sources. The relevance of this research is determined by the need for a comprehensive study of phraseological units with a zoonym component in English and Uzbek languages in order to identify common and specific features inherent in these linguistic cultures in order to find adequate means of transmitting the figurative meaning of this linguistic phenomenon. The main difficulties of translation from English are identified.

Keywords: *phraseological unit, connotative load, zoonym, ethnic and*

cultural specificity, the problem of translation.

METHOD OF TEACHING ENGLISH AT PRE-SCHOOL EDUCATIONAL INSTITUTIONS

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Abstract: Over the past few years, learning a foreign language has become not so much a way of self-development as a necessity. Foreign language has become a mandatory component of education not only in schools and universities, but also in pre-school educational institutions. On the one hand, the demand for a foreign language in society, as well as parents' understanding that language is not only a factor of modern education, but also the basis of their social and material well-being in society, on the other hand, make early learning of a foreign language especially popular and relevant. If a few years ago, knowledge of the language was required only in some areas, now the possession of at least one foreign language is mandatory.

Keywords: preschool educational institution, learning, language, society, goal, foreign language, skill, achievement, communication.

TECHNOLOGY OF TEACHING IN COOPERATION IN THE CONTEXT OF STRATEGIC COMPETENCE FORMATION

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Abstract: With the increase in cross-cultural contacts and social ties, society makes more and more perfect demands on the communicative qualities of a person, their ability to navigate information flows; self-study, filling in the missing knowledge; solve specific communication tasks and strive for selfactualization in communication activities. In modern science, it is customary to distinguish several subcompetencies in the structure of communicative competence; strategic competence is equated as one of the most effective, since it provides the ability to solve problems of various kinds. The article describes the technology of teaching in cooperation in the context of the formation of strategic competence among students in a higher education institution. The article analyzes the content characteristics of the desired concept, through the prism of which the definition of strategic competence and its component composition is proposed.

Key word: communication competence; communication activity; mutual assistance; strategic competence; communication strategies; components of competence; General skills of strategic competence.

МОДЕЛЬ ОБУЧЕНИЯ АНГЛИЙСКОМУ ЯЗЫКУ И ИНФОРМАТИКЕ СТУДЕНТОВ НЕЯЗЫКОВЫХ НАПРАВЛЕНИЙ В УСЛОВИЯХ ИНФОРМАЦИОННОЙ ОБРАЗОВАТЕЛЬНОЙ СРЕДЫ

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Аннотация: В работе приводится интегрированная модель обучения информатике и английскому языку в условиях информационной образовательной среды школ.

Ключевые слова: Английский язык, информатизация, информационная образовательная среда школ, мультимедиа.

Abstract: In work the integrated model is resulted teaching computer science and the English language in the conditions of the information educational environment of schools.

Key word: English language, informatization, information educational environment of schools, multimedia.

CLIL TEXNOLOGIYALARI ASOSIDA TALABALARNING TIL KOMPETENSIYALARINI RIVOJLANTIRISH

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Qisqacha mazmuni: Ushbu maqola CLIL - integratsiyalashgan o'quv fani-til o'qitish texnologiyasidan foydalanish asosida kasbiy kommunikatsiya (muloqot) sohasida chet tili kompetensiyasini shakllantirishning dolzarb muammolariga bag'ishlangan. Ta'lim jarayonida CLIL - chet tili va o'rganilayotgan fanlarning o'quv fani mazmunini integratsiya qilishga o'rgatishning ko'p darajali va ko'p tarmoqli (profilli) yondashuvlar g'oyasining genezisi ochib berilgan.

Kalit so'zlar: integratsiya, CLIL, chet tili, kompetensiya, texnologiya, ikki tili ta'lim.

НАУЧНЫЕ ОСНОВЫ ФОРМИРОВАНИЯ МЕДИАГРАМОТНОСТИ УЧАЩИХСЯ ПРОФЕССИОНАЛЬНЫХ КОЛЛЕДЖЕЙ НА ЗАНЯТИЯХ ПО АНГЛИЙСКОМУ ЯЗЫКУ

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Аннотация: Увеличение информационных потоков приводят к глубинным трансформациям во всех сферах деятельности человека. В частности, это оказывает непосредственное влияние на изменение роли иностранных языков (далее - ИЯ) в образовательном процессе. В

Постановлении Президента Республики Узбекистан «О мерах по дальнейшему совершенствованию системы изучения иностранных языков» отмечено, что усовершенствование методической системы обучения подрастающего поколения иностранным языкам и подготовки квалифицированных специалистов осуществляется посредством внедрения передовых методов преподавания с использованием современных педагогических и информационных технологий, на этой основе создания условий и возможностей для широкого доступа к достижениям мировой цивилизации и мировым информационным ресурсам.

THE INTERDISCIPLINARY APPROACH TO TEACH ENGLISH.

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Abstract: In order to support students' various learning styles, diverse backgrounds, interests, talents, and values, interdisciplinary instruction relies on multiple content cogs working together to develop student knowledge, problem-solving skills, self-confidence, self-efficacy, and a passion for learning.

Keywords: method, approach, learning style, self-confidence, English, skills, interdisciplinary, teaching, technique, activity, thinking skills.

COMMUNICATIVE LANGUAGE TEACHING AS A VITAL TOOL FOR IMPROVING SPEAKING SKILL

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Abstract: The Communicative Language Teaching is defined as an approach of teaching a second or a foreign language that focuses on learners' interaction whether as the means or the ultimate goal of learning a target language. Interaction here means an activity in which two or more parties affect upon one another.

Keywords: CLT, FSW, TPS, scavenger hunt.

THE ROLE OF INNOVATIVE GAMES IN LEARNING FOREIGN LANGUAGE

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Abstract: The article explores the use of innovative games in foreign language teaching and provides a literature review of studies and articles related

to this topic. The review covers studies conducted on the use of games in foreign language teaching, innovative games and their effectiveness in language learning, and the advantages and disadvantages of using games in foreign language education. The article highlights that using innovative games in foreign language teaching can be an effective way to engage students, promote interaction, and improve language skills. The article also discusses famous teaching methods that are related to the use of games in language teaching. Overall, the article suggests that innovative games have the potential to enhance foreign language education and should be considered as a valuable tool in language teaching.

Keywords: innovational games, foreign language teaching, communicative competence, language acquisition, language learning, interactive methods.

ADVANTAGES AND DISADVANTAGES OF USING AUTHENTIC MATERIALS IN TEACHING ENGLISH

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Abstract: This article is discusses about the merits and demerits of utilizing authentic materials while teaching English proficiency skills. They are considered one the most highly beneficial materials while TEFL process, but teacher should take into consideration drawbacks of these materials also.

Keywords: authentic materials, authenticity, proficiency skills, benefits and drawbacks, teaching process, usefulness, authentic materials, integrated method.

RHETORIC AS AN IMPORTANT COMPONENT OF IMPROVING THE QUALITY OF EDUCATION

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Abstract: The article discusses the importance of studying rhetoric by students of various, including linguistic directions; the purpose of rhetoric is defined: the reasons for the need to intensify the study of rhetoric are characterized; it is said about the learning system, an obligatory component of which is speech culture and knowledge of the basics of successful communication. The requirements for an educated person are also considered; the main forms of work in a higher educational institution in the formation of rhetorical skills are detailed; the importance of the formation of cultural and rhetorical competence of students aimed at mastering rhetorical knowledge, skills and abilities that are necessary for the ability to communicate, the ability to perceive and reproduce literate speech, express their own thoughts, while revealing a highly intellectual level of development is substantiated.

Keywords: rhetoric, personal qualities, rhetorical skills, rhetorical education.

EFFECTIVENESS OF CLIL AND INFORMATION COMMUNICATION TECHNOLOGIES IN TEACHING FOREIGN LANGUAGES.

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Abstract: The role of CLIL and ICT and their effectiveness in education is given in the following article. Furthermore, the authors noted their thoughts about language learning and some methods of teaching English based on increased effectiveness. Particularly, we get certain details about the successful processing of English language learning procedures with the use of CLIL and ICT.

Key words: Content, Language, teaching methods, communicative approach, interactive ways, technology, integrated learning, process, development , methods, techniques, communicative competence, effectiveness, ICT.

HISTORICAL VIEW ON COMMUNICATIVE COMPETENCE IN THE TEACHING AND ASSESSMENT OF LANGUAGE FOR SPECIFIC PURPOSES

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Abstract: Communicative competence refers to the idea that using language in interaction involves both linguistic form control and context-specific norms. Communicative competence is a slippery phrase in second language (L2) research, teaching, and evaluation, especially in languages for specialized purposes (LSP). LSP and practical linguistics depend on it, which is terrible. Communicative competence is the objective of second language acquisition, second or foreign language instruction, and performance testing. contemporary conceptions of communicative competence may also be problematic adaptations of Hymes' idea, changed and typically simplified to reflect contemporary methods in formal and functional linguistics and to address practical problems in language instruction and assessment. This work reexamines communicative competence from three perspectives: L2 research, teaching, and assessment, emphasizing LSP theory and practice issues. The study proposes a fuller model of LSP communicative ability based on previous indigenous evaluation criteria research.

Keywords: Language for specific purposes (LSP), communicative competence, language education, second language (L2) research, second and foreign language teaching

ERKALASHNING ZOONIMLAR NOMLARIDAGI MILLIY-MADANIY XUSUSIYATLARINI IFODALOVCHI VOSITALARNING O'RNI.

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Abstract: *Each language contains its components. The basis of the language is made up of words or lexemes that mean “love”, “respect” and “closeness”. The author of this essay studied the same zoonyms in Uzbek and German languages and paid attention to how much they express their nationality. Linguistic verification of German diminutives and terms is also carried out in Uzbek. The gender and sociolinguistic features of German and Uzbek languages, as well as the features of approaching and courting cultures at the semantic border of the language, are discussed in this article.*

Keywords: German, Uzbek, gender, zoonyms, sociolinguistic features, semantic, culture, pampering features, interactive methods

O'ZBEK TILI MISOLIDA KOGNITIV LINGVOKULTURAL TALQIN VA TAHLIL MASALALARI

Ummatov Baxtiyor Toshqo`zi o`gli

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“Ingliz tili va adabiyoti” kafedra o`qituvchisi.

Qisqacha mazmuni: Ushbu maqolada o'zbek tili misolida kognitiv lingvokultural talqin va tahlil masalalari xususida so'z boradi. Shuningdek, xorijdagi lingvistlarning til va madaniyat yaxlitligiga oid diqqatga sazovor fikrlari havola etilib, ularga munosabat bildirilgan.

Kalit so'zlar: lingvokulturologik, frazeologik va paremiologik birliklar, strukturaviy va mazmuniy sathlarida, solishtirma (chog'ishtirma), frazeologik va paremiologik birliklar, konsept, lisoniy konsept unsurlari, ramz, stereotiplar.

SINXRON TARJIMA JARAYONIDAGI SAMARALI USULLAR

Utapova Oysapar Urazmatovna

Guliston Davlat Universiteti o`qituvchisi

Qisqacha mazmuni: Ushbu maqolada sinxron tarjima jarayonini tashkil etishdagi samarali usullar va ularning asosiy o'ziga xos xususiyatlari, tarjima jarayonidagi tushunchalar, ularning turlari, vazifalari va tarjima jarayonidagi leksik birliklar hamda so'z birikmalarining tarjima masalalari ko'rib chiqilgan.

Аннотация: В данной статье рассматриваются эффективные методы организации процесса синхронного перевода и их основные характеристики, понятия в процессе перевода, их виды, задачи и вопросы перевода лексических единиц и словосочетаний в процессе перевода.

Kalit soʻzlar: Soya mashqi (Shadowing), Simulyatsiya treningi, Tayyorgarlik strategiyalari, qayta ishlash quvvati.

Ключевые слова: теневое копирование, симуляционное обучение, стратегии подготовки, вычислительная мощность

THE IMPACT OF GLOBALIZATION AND THE INTERNET ON ENGLISH LANGUAGE TEACHING AND LEARNING

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Abstract: The role of globalization and the use of the internet in inhancing the situation of the teaching condition has been explained in this article. In addition to this the affect of the internet in teaching the language has been shown in lexical , phonetic, syntactic standards of language.

Key words: ESOL, CMC, prescriptive approach, critical and interpretive skills, computer mediated contexts.

СРАВНИТЕЛЬНЫЕ ФРАЗЕОЛОГИЗМЫ

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Аннотация: в данной статье рассматривается сравнительные фразеологизмы в немецком языке как общепринятой языковой феномен. По мнению автора, сопоставительные фразеологизмы представляют собой более или менее витиеватые выразительные средства, с помощью которых говорящий отождествляет свой индивидуальный опыт с общедоступной реальностью.

Ключевые слова: Сравнительные, фразеологизмы, язык, Немецкий, форма, смысл, формальные, исходный, структура, паромиологический, коннотат.

ONLAYN TA'LIM SAMARADORLIGINI OSHIRISHDA XORIJIY TADQIQOTLAR

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Qisqacha mazmuni: Maqolada masofaviy ta'lim tizimi, bu haqida xorijiy olimlar fikrlari va uni rivojlantirish masalalari, masofaviy ta'lim tizimini tashkil kilish usullari, ahamiyati, hamda, masofaviy o'qitish modellari va o'qitish usullari atroficha ko'rsatib berilgan.

Kalit soʻzlar: masofaviy ta'lim tizimi, masofaviy o'qish, tyutor, keys-

texnologiya, malaka oshirish, video dars, uzoqlashtirilgan auditoriyalar.

Аннотация: В статье рассматривается развитие дистанционного образования, обзор методов организации дистанционного образования, модели дистанционного обучения и их типы. подробные методы, важности и модели дистанционного обучения и учебные модели о работе, важности и преподавателях организации системы иностранных ученых и его развития, система иностранных ученых.

Ключевые слова: система дистанционного обучения, модели дистанционного обучения, внешность, консорциум, франшиза, валидация, удаленная аудитория.

AXBOROT TEXNOLOGIYALARINING TA'LIM SIFATI VA SAMARADORLOIGINI OSHIRISHDAGI O'RNI

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Qisqacha mazmuni: Tezida pedagogik va axborot texnologiyalarining ta'lim sifatiga bevosita ta'siri, ularini ta'lim jarayoniga tatbiq etishning afzalliklari, axborot-kommunikatsiya texnologiyalarining o'quv-tarbiya jarayonida ob'ektivlik va shaffovlikni ta'minlashidagi o'rni ochib berilgan. Masofaviy o'qitish uslubining sifatli qo'llanilishi borasida o'qituvchi va o'quvchilar uchun foydali ko'rsatmalari berilgan.

Kalit so'zlar: pedagogik texnologiyalar, axborot texnologiyalari, axborot kommunikatsiya texnologiyalari, uning ta'lim sifatiga ta'siri, o'zaro aloqa o'rnatish.

BOSHLAG'ICH TA'LIMNI INTEGRATSIYALASHDA INNOVATSION- TEXNOLOGIK YONDASHUV

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Qisqacha mazmuni: Tezida boshlag'ich ta'limni integratsiyalash bu o'quv fanlarining mexanik birlashishi emas, balki innovatsion-pedagogik va texnologik yondashuv mahsuli, ularning sintezi, yangilikning kelib chiqishi, kashfiyot ekanligi asoslab berilgan. Bu borada xorijiy olimlarning pedagogik qarashlari va uslubiy tavsiyalari, boshlag'ich ta'limni integratsiyalashning samarali shakl, vosita va metodlari keltirib o'tilgan.

Kalit so'zlar: integratsiya, ta'limni integratsiyalash, innovatsion-pedagogik va texnologik yondashuv, sintez, emotsional yangilik, integrativ ta'lim, integrativ darslar, dars integratsiyaning samarali shakl, vosita va metodlari.

GAME TECHNOLOGIES IN THE FORMATION OF VISIBLE THINKING SKILLS OF PRIMARY SCHOOL STUDENTS

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Namangan Davlat Universiteti magistranti

Abstarct: Determining the content of the process of forming visible thinking skills in English language classes in primary school students requires an analytical approach to the tasks, purpose, scientific approaches to implementation, principles, components, didactic factors, methods of implementation, algorithmic and stages of this activity.

Keywords: visual critical thinking, knowledge, competence, skill, integrative approach, native language.

TEXNOLOGIYA FANINI TABIIY FANLAR BILAN O'ZARO BOG'LAB O'QITISHDA O'QUVCHILARNING EKOLOGIK KOMPETENSIYALARINI RIVOJLANTIRISH ASOSLARI.

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T.N.Qori-Niyoziy nomidagi O'zbekiston pedagogika fanlari ilmiy tadqiqot instituti Qoraqalpog'iston filiali mustaqil izlanuvchisi

Masharipov Norbek Kenjabayevich

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Qisqacha mazmuni: Maqolada maktab ta'limi tizimida texnologiya fanini o'qitish muammolari va ularni ilmiy-uslubiy echimlari tahlil etiladi. Texnologiya fanining 7-sinf o'quv rejasidagi fanlarni o'qitishda interdisiplinar yondoshuv asosida tabiiy fanlar, ya'ni kimyo, fizika fanlari bilan o'zaro bog'lab o'qitishda o'quvchilarning ekologik kompetensiyalarini qanday rivojlantirish to'g'risida so'z boradi.

Kalit so'zlar: Uzlüksiz, uzviylik, kompetensiya, yog'och, metall, kompozit material, elektrotexnika, agrotexnika, ishlab chiqarish, ekologiya, elektr, mexanik, ruda, gidroponika, kontaktlar, saqlagichlar.

Abstract: The article analyses the problems of teaching technology in the school education system and their scientific-methodical solutions. The question of how to develop environmental competences of students in connection with sciences, such as chemistry, physics based on interdisciplinary approach in the teaching of subjects in the 7th grade curriculum of technology science.

Keywords: Continuity, integrity, competence, wood, metal, composite material, electrical engineering, agricultural engineering, production, ecology, electricity, ore, hydroponics, contacts, keepers.

ОБЗОР СОВРЕМЕННЫХ ЦИФРОВЫХ МЕТОДИК ИЗУЧЕНИЯ И ОБУЧЕНИЯ ИНОСТРОННОМУ ЯЗЫКУ

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Аннотация: В данной статье рассматривается процесс повышения качества обучения иностранным языкам и проведения мастер-классов в онлайн-формате которая позволит расширить круг аудитории и содержания. При проведении мастер-класса для преподавателей руководствовались целью расширить репертуар инструментов используемых в их повседневной работе.

Ключевые слова: мастер-класс, онлайн-формат, интринсическая мотивация, канбан-досок.

Annotation: This article discusses the process of improving the quality of teaching foreign languages and conducting master classes in an online format that will expand the range of audience and content. When conducting a master class for teachers, they were guided by the goal of expanding the repertoire of instruments used in their daily work.

Keywords: master class, online format, intrinsic motivation, kanban boards.

KREDIT–MODUL TIZIMIDA MUSTAQIL TA'LIM.

Nazarqulova Gulnora Ablakulovna

Boshlang'ich ta'lim metodikasi kafedrası o'qituvchisi.

Qisqacha mazmuni: Ushbu maqolada ta'limda kredit modul tizimida mustaqil ta'limning afzalliklari, shuningdek kredit-modulli ta'lim tizimida talabalarining mustaqil bilim olish faoliyatini rivojlantirish va boshqarish bo'yicha nazariy va amaliy tavsiyalar berilgan.

Kalit so'zlar: kredit modul tizimi, mustaqil ta'lim, pedagogik texnologiya, motivatsiya, zamonaviy ta'lim.

BOSHLANG'ICH SINFLARDA TA'LIM JARAYONIGA INNOVATSION YONDASHUV TEXNOLOGIYASI

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Qisqacha mazmuni: Mazkur maqolada, boshlang'ich ta'limda innovatsion texnologiyalardan foydalanish yo'llari, boshlang'ich sinflarda foydalanish mumkin bo'lgan innovatsion texnologiyalarning didaktik tamoyillari, dars jarayonida interfaol metodlardan foydalanish va boshlang'ich sinflarda innovatsion pedagogik texnologiyalardan foydalanishning ahamiyati haqida ma'lumot beriladi

Kalit so'zlar: interfaol metodlar ,innovatsiya, pedagogik texnologiya, didaktik tamoyillar

Abstract: This article describes the ways of using innovative technologies

in primary education, the didactic principles of innovative technologies that can be used in primary classes, the use of interactive methods in the course of the lesson, and the importance of using innovative pedagogical technologies in primary classes. information is provided

Keywords: interactive methods, innovation, pedagogical technology, didactic principles

BO'LAJAK BOSHLANG'ICH SINIF O'QITUVCHILARINI VIRTUAL TEXNLOGIYALAR VOSITASIDA AXBOROT KOMPETENTLIGINI RIVOJLANTIRISH

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Abstract: The article is devoted to the formation of a socially active, positive-minded person in a modern educational institution, the ability of students to use information flows, develop skills, master innovative technologies, deepen and expand knowledge, self-study, a competent approach from a competent approach. The problem of bias was discussed during the modernization of public education.

Keywords: modern education, information technology, elementary school, computer science course, future primary school teachers, future profession.

BOSHLANG'ICH SINIF O'QUVCHILARINING MANTIQUIY TAFAKKURINI RIVOJLANTIRISHNING PSIXOLOGIK VA PEDAGOGIK ASOSLARI

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Guliston davlat universiteti

Qisqacha mazmuni: Ushbu maqolamda boshlang'ich sinf o'quvchilarining mantiqiy tafakkurini rivojlantirish, uning bosqichlari va tasnifi haqida so'z boradi. Bolalarning matematik tushunchalari yanada shakllantirish, uni amaliy hayotda qo'llash malakalarini takomillashtirish borasida fikr yuritiladi.

Kalit so'zlar: matematika, aql-idrok, qobiliyat, mantiqiy fikrlash, mantiqiy savodxonlik, vizual-majoziy.

Abstract: This article talks about the development of logical thinking of elementary school students, its stages and classification. It is thought about the further formation of children's mathematical concepts, improving the skills of applying it in practical life.

Keywords: mathematics, intelligence, ability, logical thinking, logical literacy, visual-figurative.

THE SIGNIFICANCE OF THE PEARLS INTERNATIONAL ASSESSMENT PROGRAM IN IMPROVING EDUCATIONAL EFFICIENCY

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Abstract: The article describes the PIRLS international assessment program, recommendations on the specific features of preparing primary school students for the PIRLS international assessment program. The PIRLS 2021 international evaluation program tests are conducted and their analysis is presented. Preparation processes for the next PIRLS international assessment program, tasks to be performed, tasks encountered in program tests and methodical instructions for their fulfillment by students are presented. In order to evaluate the level of reading and understanding of the text of primary school students, the methodology of selecting stories, developing tasks related to the story, and strengthening the content of the story based on these tasks is presented.

Keywords: international assessment program, PIRLS, TIMSS, PISA, TALIS, reading literacy, comprehension levels, assessment system.

THE ROLE OF FAMILY AND RELIGIOUS EDUCATION IN PREPARING YOUNG PEOPLE FOR FAMILY LIFE.

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Abstract: This article directly analyzes the role of spiritual and moral and religious education in improving the psychological preparation of young people for family life, the influence of the formation of religious consciousness in the process of Family Education. And in the spirit of national values, the student talked about the psychological features of preparing and teaching young people to family life and its social and scientific pedagogical foundations. In addition, opinions are expressed on the methods and methods of improving and improving the effectiveness of training mechanisms of student youth for family life on the basis of national values.

Spiritual threats serve to strengthen the role of family upbringing today, when toboro is growing, to increase the effectiveness of work carried out on preparing young men for family life.

Keywords: guys, religious consciousness, family, formation, psychological training, personality, upbringing, family life, morality, religious upbringing.

SYSTEM OF USING INTERNATIONAL EXPERIENCES IN ORGANIZING STUDENTS' EDUCATIONAL LESSONS

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Abstract: This research paper presents the current state of improving pedagogical skills and preparing a teacher for practical aspects in the system of moral education of a student, characterized by the presence of significant theoretical gaps.

Keywords: education, professional training, language, linguistic, communicative, cultural competence.

ВИДЫ НАСИЛИЯ НАД ЖЕНЩИНАМИ И ВЛИЯЮЩИЕ ФАКТОРЫ НАСИЛИЯ

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Аннотация: В статье представлены виды насилия над женщинами, факторы, влияющие на него, а также выводы и предложения по устранению проблемы насилия. Насилие часто совершается над женщинами, и основным аспектом насилия является существование мнения о том, что женщины не имеют равных прав с мужчинами в обществе, в результате пренебрежительного отношения к женщинам.

Ключевые слова: насилие, стресс, психологическое насилие, экономическое насилие, физическое насилие, сексуальное насилие, травма.

BOSHLANG'ICH SINF O'QUVCHILARINING KOMPITENTLIGINI OSHIRISHDA O'YIN FAOLIYATINING AHAMIYATI

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Qisqacha mazmuni: Ushbu maqolada o'yinlar aqliy rivojlanishga qisman hissa qo'shishi, faqat maxsus didaktik o'yinlar, balki jumboqlar, jumboqli o'yinlari va boshqa ta'lim o'yinlari hissa qo'shishi haqida fikr yuritilgan. Unda mohirlik bilan yo'naltirilgan ovozi, musiqiy, raqs o'yinlari, dumaloq raqslar, spektakl o'yinlari estetikaga yordam beradigan ta'lim turiga kiradi. Bundan tashqari, o'yinlar axloqiy takomillashtirishning samarali vositasi haqida, o'yinning - bola va jamoaning shaxsini aniqlash muammolarini hal qilishda o'qituvchining asosiy vositasi bo'lib xizmati haqida usullar tavsiya etilgan..

Kalit soʻzlar: taʼlim, axborot, oʻyinlar nazariyasi, yugurish tezligi, raqs oʻyinlari, dumaloq raqslar, jumboqli oʻyinlar, maxsus didaktik oʻyinlar, jismoniy fazilatlar.

Abstract: In this article, games partially contribute to mental development, not only special didactic games, but also puzzles, puzzle games and other educational games. Skillfully directed voice, music, dance games, round dances, performance games are part of the education that helps aesthetics. In addition, games are an effective means of moral improvement. The game serves as the main tool of the teacher in solving the problems of identifying the identity of the child and the team.

Keywords: education, information, game theory, running speed, dance games, round dances, puzzle games, special didactic games, physical qualities.

THE ROLE OF BOOKS IN THE CREATIVE DEVELOPMENT OF A CHILD

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Abstract: Humanity is wounded, creative, talented people have always stood out. The problem of one's abilities has always aroused great interest in humans. Creativity is not a new interpretation of development. But, before, there was no need to master human creativity in society. Life at the time of scientific vatechnical development is becoming more diverse and complex as it progresses. This requires a person to adapt to the new conditions of a creative approach to the solution of huge and minor problems, rather than ordinary actions, mobility and flexibility of thought. People are discovering new types of creative activity, inspired by each other in different areas. There are no numerical examples of creativity being discovered. If we take into account that in almost all professions the share of creative labor is constantly growing, as well as the transition of an increasing part of executive activity to machines, then it becomes known that the creative abilities of people should be recognized as an extremely important aspect of their intelligence, while the task of improving them is one of the very important tasks. Wherever you look in a field we may encounter children who are innovating at the highest level in the Jewish direction.

Keywords: creative diversity, creative activity, ability, aspiration, speech, creato, creative pedagogy, creative approach, creativity, resourcefulness, problem Education.

UMURZOQ O'LJABOYEV-ESSENAVIS

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Qisqacha mazmuni: Umurzoq O'ljaboyev adabiyotshunos olim sifatida ikkinchi jahon urushi davri adabiyoti yuzasidan juda ko'plab ilmiy tadqiqotlar olib borgan. Ammo adabiyotshunos olimning haqiqiy ma'nodagi iste'dodining yana bir qirrası esdaliklar sifatida yozilgan ajoyib esselarida namoyon bo'ladi. Umurzoq O'ljaboyev essenavis sifatida bir qancha kitoblar muallifidir. Adabiyotshunos olimning bu yaratgan esdalik, yodnoma, xotiralari uning do'st-u yaqinlari bo'lgan, o'zbek adabiyotida o'z o'rniga ega olimlar, shoirlar, yozuvchilarning yetuk shaxs, zahmatkash, iste'dodli olimlar siymosida yodga olishimiz uchun bir manba bo'lib xizmat qiladi. Shu bilan birga muallifning esse yozishdagi badiiy mahoratidan dalolat beradi. Mazkur maqola Umurzoq O'ljaboyevning esselari haqidadir.

Kalit so'zlar: esse, essenavis, memuar asarlar, xotiranavis, yodlovlar

OLİY TA'LIM MUASSASALARIDA TALABALAR TA'LIMINI INDIVIDUALLASHTIRISHNING NAZARIY VA AMALIY MASALALARI

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Qisqacha mazmuni: Ushbu maqolada oliy ta'lim muassasalarida taxsil olayotgan talabalar ta'lim jarayonida individual yondashuvni tatbiq qilish orqali talabalar harakat qobiliyatini maqsadli rivojlantirish tana tuzilishini, muvozanat qobiliyatlarni yaxshilashga, jismoniy rivojlanishlarini oshishiga erishish yo'llari keltirilgan. Tadqiqotlarda individual bilishga oid strategiyani tanlashda ustunlik qiluvchi omil sifatida individuallilikning psixofiziologik va psixik tavsifnomalari omili ko'rib chiqilgan.

Kalit so'zlar: pedagogik amaliyot, kasbiy va shaxsiy kompetentlik, ta'limini individuallashtirish, individuallashtirish g'oyalari, amaliy ko'nikma, individual ta'lim, salomatlik darajasi, jismoniy rivojlanishi, jismoniy tayyorgarlik.

Abstract: This article presents the ways to achieve the purposeful development of students' mobility, improve their body structure, balance skills, and increase their physical development by applying an individual approach to the educational process of students studying in higher educational institutions. In the researches, the factor of psychophysiological and psychological characteristics of individuality was considered as a dominant factor in choosing a strategy for individual cognition.

Keywords: pedagogical practice, professional and personal competence, individualization of education, ideas of individualization, practical skills, individual education, level of health, physical development, physical training.

UZLUKSIZ MALAKA OSHIRISH JARAYONIDA AXBOROT KOMUNIKATSIYA TEXNOLOGIYALARINING AHAMIYATI

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Qisqacha mazmuni: Ushbu maqolada bo'lajak tabiiy fanlar o'qituvchilarning axborot kommunikasion texnologiya bilan ishlash ko'nikmalarini rivojlantirish omillari va ta'lim oluvchilarning bilim va ko'nikmalarini shakllantirish to'g'risida

batafsil bayon qilingan.

Kalit so'zlar: Zamonaviy axborot-kommunikatsiya texnologiyalari, multimedia, veb-texnologiya, elektron o'quv vosita, elektron o'quv qo'llanma, internet, masofaviy ta'lim, pedagogic texnologiya, ta'lim texnologiyalari.

Abstract: This article discusses in detail the factors of development of future teachers of natural sciences skills of working with information and communication technologies and the formation of knowledge and skills among students.

Keywords: Modern information and communication technologies, multimedia, web technologies, electronic learning tool, electronic textbook, Internet, distance learning, pedagogical technologies, educational technologies.

TASVIRIY SAN`AT O`QITUVCHILARI KASBIY KOMPETENTLIGINI RIVOJLANTIRISHNING DOLZARB MASALALARI

Bobir Bolbekovich NUSHAROV

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Qisqacha mazmuni: maqolada zamonaviy ta'lim texnologiyalari imkoniyatlaridan hamda yaratilayotgan o'quv uslubiy majmualardan unumli foydalanish negizida bo'lajak tasviriy san`at o'qituvchilari kasbiy kompetentligini rivojlantirish jarayonining nazariy hamda amaliy asoslarini yaratish muhim vazifalardan biri ekanligini to'g'risida fikrlar yuritilgan.

Kalit so'zlar: metodika, zamonaviy ta'lim, pedagogik dolzarblik, modellashtirish, kompetentsiya, kompetentlilik, tasviriy san`at.

Abstract: the article discusses the important tasks of creating the theoretical and practical foundations for the process of forming the professional competence of future art teachers based on the effective use of the capabilities of modern educational technologies and the created educational and methodological complexes.

Key words: methodology, modern education, pedagogical relevance, modeling, competence, competence, fine arts.

PEDAGOGIK TA'LIM INNOVATSION KLASTERINI UZLUKSIZ TA'LIM TIZIMIDA TASHKIL QILISH XUSUSIDA.

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Qisqacha mazmuni: Mazkur maqolada pedagogik ta'lim innovatsion klasterini uzluksiz ta'lim tizimidaga o'rni, jamiyatimizning bugungi rivojlanish bosqichida pedagogik ta'lim innovatsion klasteri ta'limda ichki va tarmoqlararo aloqadorlikni ta'minlash mazmuni yoritilgan.

Kalit so'zlar: ta'lim, pedagogik ta'lim, klaster, innovatsion klaster, uzluksiz ta'lim, ta'limni tashkil etish

ANVAR OBIDJONNING HAJVIY HIKOYALARIDA MAHORAT MASALASI

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Qisqacha mazmuni: Mazkur maqola so'nggi davr adabiyoti namoyondalaridan biri Anvar Obidjonning nasrining o'zbek adabiyotida tutgan o'rni, nasriy ijod namunalari mahorat masalasi, nasrda o'zbek hajvchilik maktabi an'analarini davom ettirish bilan birgalikda jahon hajvchiligi yutuqlari bilan boyitganligi, prozada kulgu uyg'otishda ishlatgan vositalar tahliliga qaratilgan.

Kalit so'zlar: proza, yumor, satira, lirika, Anvar Obidjon, hajviya, mubolag'a.

Abstract: This article is about the role of the prose of one of the representatives of recent literature, Anvar Obidjon, in Uzbek literature, the issue of mastery in the examples of prose creation, the continuation of the traditions of the Uzbek school of humor in prose, and the fact that it is enriched with the achievements of world humorism, laughter in prose focused on the analysis of the means used in awakening.

Keywords: prose, humor, satire, lyrics, Anvar Obidjon, comedy, exaggeration.

NAZAR ESHONQUL HIKOYALARIDA AYOLLAR OBRAZI VA TALQINI.

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Alisher Navoiy nomidagi Toshkent davlat o'zbek tili va adabiyoti universiteti

Qisqacha mazmuni: Mazkur maqolada Nazar Eshonqulning hikoyalarida ayol obrazi va uning ichki dunyosi, ruhiyatining tasviri xususida so'z boradi.

Kalit so'zlar: hikoya, obraz, adib, ayol ezgulik, jaholat ma'naviy-axloqiy illatlar, ko'ngil boqiy dunyo, abadiy hayot, o'tkinchi, ishonch, xavotir, orzu daraxti, muhabbat qo'shig'i, momoqo'shiq, qo'shiq.

PROZADA FOLKLORIZM ("O'TKAN KUNLAR" ROMANI MISOLIDA)

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Qisqacha mazmuni: Mazkur maqolada Abdulla Qodiriy nasriy asarlari poetikasida xalq og'zari ijodidagi maqol, matal, xalq iboralari, aforizmlarning tutgan o'rni badiiy mahorat nuqtai nazaridan tadqiq etilgan.

Kalit so'zlar: folklor, folklorizm, milliy kolorit, poetic funksiya, folklor unsurlari, bayon uslubi, maqol, matal, piching, aforizm, xalq iboralari va boshqalar.

Abstract: This article is devoted to the study of the role of folklorism in

the poetics of A. Kadyri's prose, as well as the influence of folklore genres in the writer's artistic skills

Keywords: folklore, folklorism, national flavor, poetic function, genres of folklore, narrative style, proverb, aphorisms, popular expressions, etc.

OLIV O'QUV YURTLARIDA JISMONIY TARBIYA FANINI O'QITISHDA INTERFAOL METODLARDAN FOYDALANISH

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Qisqacha mazmuni: Talabalarda jismoniy tarbiya fanini o'qishda innovatsion texnologiyalar orqali nazariy va amaliy bilimlarni oshirish muhim ilmiy, pedagogik muammo hisoblanadi. Maqolada yangi o'qitish metodlari, jumladan innovatsion texnologiyalardan foydalanish usullari haqida malumotlar keltirilgan.

Kalit so'zlar: Innovatsion, mukammal tizim, klaster, diagnostika, disseminasiya, individual, jarayon.

Abstract: Increasing theoretical and practical knowledge through innovative technologies is an important scientific and pedagogical problem in studying physical education among students. The article provides information on new teaching methods, including the use of innovative technologies.

Keywords: Innovation, perfect system, cluster, diagnostic, dissemination, individual, process.

RAQAMLASHTIRISH SHAROITIDA KADRLAR TAYYORLASHNING XUSUSIYATLARI

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Qisqacha mazmuni: Mazkur maqolada raqamlashtirish jarayonining mohiyati va uning kadrlar tayyorlash bilan bog'liqligi ko'rib chiqiladi. Raqamlashtirish sharoitida yuqori malakali kadrlarni tayyorlash uchun o'quv jarayonida foydalaniladigan yangi texnologiyalarga tavsif berilgan. Muayyan misolda raqamlashtirish sharoitida kadrlar tayyorlashning o'ziga xos xususiyatlari ko'rib chiqiladi. Maqola mavzusining dolzarbligi hozirgi XXI asr global raqamlashtirish asri bo'lib, ushbu tizim asosida o'rnatilgan raqamli algoritmlarga o'tish bilan tavsiflanadi.

Kalit so'zlar: kadrlar tayyorlash dasturi, raqamli texnologiya, ta'lim tizimi, islohat, innovatsion faoliyat.

Abstract: This article examines the nature of the digitization process and its connection with personnel training. Description of new technologies used in the educational process for training highly qualified personnel in conditions of digitization. In a specific example, the specific features of personnel training in the context of digitization are considered. The relevance of the topic of the article is the current 21st century century of global digitization, which is characterized by the transition to digital algorithms based on this system.

Keywords: personnel training program, digital technology, educational

system, reform, innovative activity

UMUMIY O'RTA TA'LIM JARAYONIDA INTERAKTIV METODLARNING AHAMIYATI

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GulDU Sitqi bo'lim, masofaviy ta'lim, kafedراسi o'qituvchisi

Qisqacha mazmuni: Ushbu maqolada ta'lim tizimini isloh qilish, o'quvchilarni kichik yoshdan boshlab mustaqil va ijodiy fikrlashga o'rgatish shart-sharoitlarini yaratish o'qituvchidan zamonaviy o'qitish texnologiyasi asoslarini bilishni, ularni amalda qo'llay olishni yo'llari nazarda tutilgan.

Kalit so'zlar: ta'lim, tarbiya, maktab, metod, mafkura, odat, yoshlar

Abstract: This article presents ways to reform the education system, create conditions for teaching students independent and creative thinking from an early age, and also sets the teacher the task of mastering the basics of modern teaching technologies and applying them in practice.

Keywords: education, training, school, method, outlook, habit, youth

IMPROVEMENT OF THE METHODOLOGY OF PROFESSIONAL TRAINING OF FUTURE SPECIALISTS IN THE TEXTILE INDUSTRY BASED ON DIGITAL TECHNOLOGIES

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Abstract: This scientific article describes the improvement of the methodology of professional training of future specialists in the textile industry based on digital technologies and the content of international experiences in the training of future specialists in the textile industry.

Keywords: digital technologies, textile industry, revolutionized, professionals, technologies, industry professionals, methodology, produce textiles, technical skills, incorporating, future specialists

MAKTABLARDA TARBIYAVIY ISHLARNI TASHKIL QILISHNING AHAMIYATI

Oybek RIXSIBOYEV

"Masofaviy ta'lim" kafedراسi o'qituvchisi

Qisqacha mazmuni: Ushbu maqolada umumiy o'rta ta'lim maktablarida, darsdan tashqari tarbiyaviy tadbirlar, to'garaklarni o'tkazish metodikalarii ko'rsatib o'tilgan. Maqolada o'quvchilarni bo'sh vaqtlarini mazmunli tashkil etish, ularni o'zlari qiziqqan kasblarga yo'naltirish nazarda tutilgan.

Kalit so'zlar: ta'lim, tarbiya, maktab, metod, mafkura, odat, yoshlar.

Abstract: This article describes the methods of conducting extra-curricular activities and circles in secondary schools. The article provides for the meaningful organization of students' free time, directing them to professions of interest to them.

Keywords: education, training, school, method, outlook, habit, youth.

DİL TEMASLARININ BİR SONUCU OLARAK RUSÇADAKİ TÜRKÇE ALINTILAR

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Özet: Türkizmler, farklı tarihi dönemlerde Türk dillerinden Rusçaya ödünç alınmış kelimelerdir. Türkizmlere, dili ne olursa olsun - aracı - Türk kökenli kelimeler de denir. Borçlanmaların büyük kısmı XVI-XVII yüzyıllar dönemine düşüyor. Türklüklerin dil temasları sonucunda Rus diline girdiği, hatırı sayılır bir antik dönemle karakterize olduğu ve Rusya'da ilk yazılı anıtların ortaya çıkmasından çok önce nüfuz etmeye başladığı bilinen bir gerçektir.

Anahtar kelimeler: alımlar, Türkçe alıntılar, dil temasları, dillerin etkileşimi, dil tarihi.

O'QITUVCHI-UMR SHAMCHIROG'I

Saidova Shahnoza Isroil qizi

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Qisqacha mazmuni: Ushbu maqolada o'zbek nasriy asarlaridagi o'qituvchi obrazi atroficha tahlil qilindi. O'qituvchining asosiy hislatlari va ularning jamiyatdagi o'rni. Obyekt sifatida O'tkir Hoshimovning "Sirli yulduz" va "Ikki karra ikki besh" asarlari va unda o'qituvchi siyomosiga tariflar taxlil qilingan.

Kalit so'zla: o'qituvchi, mahorat, pedagog, jamiyat, ustoz, obraz, "Sirli yulduz", "Ikki karra ikki besh".

Abstract: In this article, the image of the teacher in Uzbek prose works was thoroughly analyzed. The main characteristics of a teacher and their role in society. O'tkir Hashimov's "Mysterious Star" and "Ikki Karra Ikki Besh" works as an object and the tariffs on the figure of the teacher were analyzed.

Keywords: teacher, skill, pedagogue, society, teacher, image, "Mysterious star", "Two times two five".

O'QUVCHILARNI BARKAMOL SHAXS SIFATIDA TARBİYALASH PEDAGOGİK VA PSIXOLOGİK MUAMMO SIFATIDA

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Qisqacha mazmuni: ushbu maqolada o'quvchilarni barkamol shaxs sifatida tarbiyalashning pedagogik va psixologik xususiyatlari xaqida ilmiy fikrlar berilgan. Barkamol shaxs rivojida muhitni aynan milliy tarbiyaning etnopedagogik qirralarini muhim ta'siri ko'rsatib o'tilgan.

Kalit so'zlar: barkamol, shaxs, tarixiy, ijtimoiy, madaniy-milliy ko'rsatkich, Innovatsiya, metafaoliyat, reproduktiv komponentlar, ishlab chiqarish

va innovatsiya, innovatsion faoliyat, darajaviy ko'rsatkich.

TA'LIM MUASSASSI RAHBARLARINING BOSHQARUV FAOLIYATINI OLIB BORISHDA KASBIY KOMPETNETLIGINI RIVOJLANTIRISH.

Umid Xalmonov,

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Qisqacha mazmuni: Maqolada yangi O'zbekiston sharoitida ta'lim samaradorligiga erishishning dolzarb masalalari to'g'risida fikr yuritilgan. Xususan, o'qituvchilar faoliyati hamda ta'lim muassasasi rahbarlarining boshqaruv tizimiga qo'yilgan zamonaviy innovatsion talablar to'g'risida tavsiyalar berilgan.

Kalit so'zlar: o'qituvchi, kompetentlik, innovatsiya, rahbar kompetentligi, metodist, strategik, yangilanish, professionallashuv.

Abstract: The article discusses the current issues of achieving educational efficiency in the conditions of new Uzbekistan. In particular, recommendations have been made about the modern innovative demands placed on the management system of teachers and heads of educational institutions.

Keywords: teacher, competence, innovation, leadership competence, methodical, strategic, renewal, professionalization.

ЦВЕТОВЫЕ ПРЕДСТАВЛЕНИЯ ВО ФРАЗЕОЛОГИЧЕСКОЙ КАРТИНЕ МИРА УЗБЕКСКОГО И РУССКОГО ЯЗЫКОВ

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Аннотация: В данной статье рассматриваются актуальные вопросы, связанные с репрезентацией явления цвета во фразеологической картине мира узбекского и русского языков. Выявляются способы передачи цветовосприятий во фразеологии, определяется общее и специфическое в языковых картинах мира различных языков.

Ключевые слова: цветообозначение, фразеологическая картина мира, цветовосприятие, фразеологические обороты, цветовой компонент, язык, культура, значение, символика, национально-культурная особенность.

OLIIY TA'LIMDA BOBURNING "BOBURNOMA" ASARINI ZAMONAVIY YONDASHUVLAR ASOSIDA O'QITISH

Sariboyeva Maxsuda O'rinboyevna

Pedagogika fanlari nomzodi, dotsent, Guliston davlat universiteti

Qisqacha mazmuni: Maqolada loyihalashtirish texnologiyasining mazmun mohiyati, adabiyot darslarida ushbu texnologiyadan foydalanish yo'llari haqida so'z yuritiladi shuningdek, mumtoz asarlarni o'rgatishda innovatsion ta'lim muhitini yaratish, uni xalqaro andozalarga to'liq mosligini ta'minlash bugungi kunning eng dolzarb muammolaridan biri ekahligi tahlil etilgan.

Kalit so'zlar: Ma'naviyat, mumtoz adabiyot, "Boburnoma", ta'lim va tarbiya, loyiha usuli, zamonaviy yondashuv, innovatsiya, metod, hamkorlik, milliy metodika.

МЕТОДИКА ПРЕПОДАВАНИЯ ПРОИЗВЕДЕНИЯ БАБУРА "БОБУРНОМА" В ВЫСШЕМ ОБРАЗОВАНИИ НА ОСНОВЕ СОВРЕМЕННЫХ ПОДХОДОВ

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Аннотация: В статье рассматриваются вопросы технологии проектирования, а также использования этих технологии на уроках литературы. Анализируется инновационные вопросы преподавания литературы.

Ключевые слова: Духовность, классическая литература, "Бабурнаме", наука и воспитания, современный подход, метод, сотрудничество национальная методика.

TEACHING METHODOLOGY OF BABUR'S WORK "BOBURNOMA" IN HIGHER EDUCATION BASED ON MODERN APPROACHES

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Abstract: The article talks about the essence of design technology, ways to use this technology in literature classes, mainly, creating a modern educational environment for teaching classic works, ensuring its full compliance with international standards as one of the most urgent problems of today.

Keywords: Spirituality, classic literature, "Boburnoma", education and upbringing, project method, modern approach, method, cooperation, national methodology.

ABDULLA QODIRIYNING SO'Z QO'LLASHDAGI O'ZIGAXOSLIK Xudoyqulova Shoxistaxon Valiyevna

Guliston davlat universiteti, katta o'qituvchisi

Qisqacha mazmuni: ushbu maqolada Abdulla Qodiriyning "O'tkan kunlar" asarida so'z qo'llashdagi o'ziga xoslik va bunda uyushiq bo'laklardan foydalanganligi

bu asarning qimmatini yanada oshirganligi haqida gap ketadi. A.Qodiriy asarlarida gap bo'laklarini turli xil vositalardan foydalangan holda uyushtirish asosida badiiylikni oshirishga alohida e'tibor qaratilganligi, shu vositani o'zining individual uslubining asosi qilib olganligini aniq kuzatish mumkin. Ayniqsa, sifatlashlarni uyushtirish asosida voqea-hodisa, shaxslarni tasvirlashning o'ziga xos ko'rinishini yaratgan.

Kalit so'zlar: so'z, ohang, badiiy matn, matn, sifatlash, ekspressivlik, grammatik vositalar, uyushtirish bo'lak, bog'lovchili, bog'lovchisiz, sheva, so'z turkumlari, affiks, to'xtam, daraja.

FONETIK TERMINLARNING ABDURAUUF FITRAT ASARLARIDA QO'LLANILISHI MASALASI

Mustafoyeva Shahlo Salohiddin qizi, *magistrant, Guliston davlat universiteti*

Qisqacha mazmuni: Tilning tovushlar tizimi barcha davrlarda ham murakkab va o'rganilishi dolzarb bo'lib kelgan masalalaridan hisoblanadi. Chunki o'zbek tilshunosligida unilarning ozligi boshqa turkiy tillardan farqlanishi barchaga ma'lum. Mazkur maqolada tilshunoslikda o'zining alohida fikrlarini bayon eta olgan olim Abdurauf Fitratning "SarF" asarida fonetikaga oid qarashlari bayon etilgan.

Kalit so'zlar: fonetika, unililar, unsizlar, yo'g'onlik, ingichkalik, singarmonizm.

Abstract: The sound system of a language is one of the issues that have become complex and relevant to study even at all times. Because in Uzbek linguistics, it is known to everyone that the minority of vowels differs from other Turkic languages. This article describes his views on phonetics in the work of the scientist Abdurauf Fitrat "SarF", who was able to express his special thoughts in linguistics.

Keywords: phonetics, vowels, consonants, colon, thinness, singarmonism.

THE ROLE OF INTELLECT AND ABILITIES IN THE RESEARCH WORK OF STUDENTS

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Abstract: This article was a declaration of political science-researcher. In their research activities, students studied the analogy with the general intellect, the separation of concepts according to important features, the correlation between visual thinking. The results of students in the areas of study were analyzed, which proved to reflect the same level in solving tasks related to complex analogies.

Keywords: Scientific and creative activity, creativity, intellect, general intelligence, visual intelligence, practical intelligence, analogy,

THE ISSUE OF A NEW PRACTICAL STAGE OF UZBEK MODERN MORPHOLOGY

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Abstract: It is said that the creation of the National Corps of the Uzbek language is an urgent task of today. The language Corps is subordinated to the search program, a set of texts related to a particular language, which includes from ten million to one hundred million, and even billions of Word applications. The modern and scientific novelty of the language Corpus is characterized by the possibility of updating, wide coverage and ease of use. Language Corpus-consists of a text field and a corpus manager, able to determine, unlike dictionaries, the frequency of use of words, the degree of development and change of languages, even on the example of the use of each word.

Keywords: language Corpus, morphological analyzer, affix morpheme, given morpheme base, classification rules, allamorphs, grammatical dictionary, Internet service.

THE ROLE OF TRADITIONAL MORPHOLOGICAL VIEWS IN THE FORMATION OF LINGUISTICS

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Sharipova Mohichehra Fazliddinovna, *Guliston davlat universiteti talabasi*

Sharipova E'zoza Fazliddinovna, *Guliston pedagogika instituti talabasi*

Abstract: The activities of scientists who made a significant contribution to the formation and development of Uzbek theoretical linguistics in the period from the 20s to the 90s of the last century have been studied. Before moving on to the main issue, scientists, who also made a worthy contribution to the development of Arabic linguistics, while also having a place in the development of World linguistics in general, commented on the views of Eastern scholar on linguistics. It is shown on the example of the analysis of Russian-Turk scientists and their linguistic views, who conducted scientific research on linguistics in the second half of the 19 and the early 20 centuries. In the formation of Uzbek theoretical linguistics, their scientific works are the main resource, it is argued that without these studies it is impossible to define the next scientific stage of Uzbek linguistics.

Keywords: morphological system, linguistic analysis, word category, grammatical category, system, noun, verb, adjectival, articular, pronoun, auxiliary, fluent, connecting.

TAEKVONDOCHILARNING JISMONIY TAYYORGARLIDA TEZKOR-KUCH SIFATLARINI RIVOJLANTIRISH USULLARI

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Qisqacha mazmuni: Sportning taekwondo turida sportchilarning kuch va tezkor-kuch tayyorgarligiga alohida talablar qo'yadi. Bellashuvlarning yuqori darajadagi olib borishda, turli xil texnik va taktik harakatlarni bajarishda energiyani tejash ishlashi va mahoratini oshirishga yordam beradi.

Kalit so'zlar: Jismoniy tayyorgarlik, tezkor-kuch, mutlaq kuch, izometrik usul, seriya, interval.

Abstract: The taekwondo type of sport places special demands on athletes' strength and quick-strength training. Energy conservation helps to improve performance and skill during high-level competitions, performing various technical and tactical actions..

Keywords: Physical preparation, speed, absolute strength, isometric method, series, interval.

БЎЛАЖАК БОШЛАНГИЧ СИНФ ЎҚИТУВЧИЛАРИДА МАЪНАВИЙ-АХЛОҚИЙ СИФАТЛАРНИ АХБОРОТ ТЕХНОЛОГИЯЛАРИ ВОСИТАСИДА ТАКОМИЛЛАШТИРИШ

А.Х. Шукуров

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Қисқача мазмуни: Мазкур мақолада Шарқ алломаларининг тарбия ҳақидаги қарашлари, Ўзбекистон ОТМда ахборот технологиялари соҳасини ривожлантириш, ва илмий ва амалий ёндашувлар асосида бўлажак бошланғич синф ўқитувчиларида ривожлантириладиган маънавий-ахлоқий сифатларнинг мазмуни очиқ берилган.

Калит сўзлар: ахборот, ахборот технологиялари, ахборот маданияти маънавият, маънавий-ахлоқий сифатлар, ахборот саводхонлиги, касб маданияти.

Abstract: This article reveals the content of the spiritual and moral qualities that are developed in students on the basis of the development of information technology in Uzbekistan, the views of oriental scholars on education and scientific and practical approaches.

Keywords: information technology, spirituality, spiritual and moral qualities, information, information culture, information literacy, professional culture.

H.XUDOYBERDIYEVA SHE'RIYATIDAGI YETAKCHI MAVZULAR

Shukurova Sarvinoz Olimjon qizi

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Qisqacha mazmuni: XX asr o'zbek she'riyati yetuk iste'dod sohiblarining namoyon bo'lganligi va ijodining yuzaga chiqqanligi bilan alohida ajralib turadi. Shu bilan bir qatorda 70 – 80-yillarga kelib o'zbek she'riyga o'nlab ijodkorlar turfa xil ohanglarni olib kirishi bilan o'ziga xos badiiy tafakkurni shakllantirdilar deyish mumkin.

MAKTABDA JISMONIY TARBIYA DARSLARINI O'TKAZISH XUSUSIYATLARI

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Guliston davlat universiteti "Sport turlarini o'qitish metodikasi" kafedrasida o'qituvchisi

Qisqacha mazmuni: Maktab ta'lim tizimining zamonaviy holati, ta'lim jarayonini shu jumladan, jismoniy tarbiyani tashkil qilish va tarkib toptirish uchun katta e'tibor talab qilinadi. Bolalarning rivojlanish va o'sish davrida maktab yoshida mashg'ulotlarning ahamiyatini baholash ancha qiyin. Ta'lim jarayonida jismoniy madaniyatning majburiy mashqlari ta'lim oluvchilarning individual yoshi, fiziologik va psixologik holatini tahlil qilishni ko'rsatib beruvchi va ta'lim faoliyatini tartibga soluvchi normativ hujjatlar yordamida amaliyotga tadbiiq qilinadi. Muallif ushbu maqolada yuqorida tilga olingan ba'zi muammolarni bayon qiladi shuningdek, maktab o'quvchilarining sport faolligi va ularning motivatsiyasi darajasini tasvirlovchi bir qancha statistik ma'lumotlarni berib o'tadi.

Kalit so'zlar: jismoniy tarbiya, maktab o'quvchilari, madaniyat, sog'liq muammolari, sport faoliyati, motivatsiya, muammolar.

Аннотация: Современное состояние системы школьного образования требует большего внимания к содержанию и организации образовательного процесса в образовательных учреждениях, в том числе физического воспитания. Значение упражнений в период роста и развития детей, школьные годы трудно переоценить. Обязательные занятия физической культурой в процессе обучения устанавливаются нормативными документами, регламентирующими организацию учебной деятельности и описывающими необходимость учета индивидуальных возрастных, психологических и физиологических особенностей обучающихся. В данной статье автор рассказывает нам о проблемах, упомянутых выше, а также приводит некоторые статистические данные, описывающие уровень спортивной активности школьников и их мотивацию.

Ключевые слова: физическое, воспитания, школьников, культура, оздоровительные задачи, спортивный активность, Мотивация, проблемы.

ВЛИЯНИЕ ГОРНЫХ РЕК НА ПРИРОДУ ЦЕНТРАЛЬНОЙ АЗИИ И РАСЧЕТ ИХ УРОВНЕЙ

Таджибаев Бахрам Рузиевич, Халдыбаева Ибодат Турабековна, Худойбердиев Абдусалом Абдухалил угли.

Tadjibaev Baxrom Ruzievich, Khaldybaeva Ibodat Turabekovna, Xudoyberdiyev Abdusalom Abduxalil o'g'li

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Аннотация: Казахстан, Кыргызстан, Таджикистан, Туркменистан и Узбекистан испытывают негативное изменение в распределении воды, так как глобальное изменение климата оказывает свое воздействие на ледники и водные ресурсы в горных районах вышеназванных государств.

Все вышесказанное актуализирует исследования различных показателей, характеризующих объем водных ресурсов в горных регионах рассматриваемой территории 5 центральноазиатских государств.

Ключевые слова. Глобальное потепление, горные ледники, запасы водных ресурсов, уровень воды.

Abstract: Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan are experiencing a negative change in the distribution of water, as global climate change has its impact on glaciers and water resources in the mountainous regions of the above states.

All of the above updates the studies of various indicators characterizing the volume of water resources in the mountainous regions of the territory under consideration of 5 Central Asian states.

Keywords. Global warming, mountain glaciers, water reserves, water level.

JAMIYATNI INNOVATSION RIVOJLANTIRISHDA INSON KAPITALINING O'RNI

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O'zbekiston Respublikasi Vazirlar Mahkamasi huzuridagi Biznes va tadbirkorlik oliy maktabi mustaqil izlanuvchisi

Qisqacha mazmuni: Yangicha iqtisodiy munosabatlarning qaror topishi sharoitida inson kapitalining milliy iqtisodiyotni barqaror taraqqiyotini ta'minlashdagi o'rnini aniqlash, undan samarali foydalanish borasida tegishli shart-sharoitlarni yaratish masalalari mamlakatlarning xalqaro hamjamiyatdagi o'rni, aholining munosib hayot kechirishi va barqaror rivojlanishini ta'minlash jihatidan ilmiy izlanishlarning muhim yo'nalishlaridan birini tashkil qiladi.

Kalit so'zlar: innovatsion iqtisodiyot, innovatsiya, texnologik taraqqiyot, inson kapitali, inson kapitali sifati, aholi bandligi, aholi turmush darajasi.

THE ROLE OF HUMAN CAPITAL IN THE INNOVATIVE DEVELOPMENT OF SOCIETY

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Abstract: In the context of the decision-making of new economic relations, the issues of determining the place of human capital in ensuring sustainable development of the national economy, creating the appropriate conditions for its effective use form one of the important areas of scientific research in terms of the role of countries in the international community, ensuring decent living and sustainable development of the population.

Keywords: innovation economy, innovation, technological progress, human capital, human capital quality, population employment, population standard of living.

СУЩНОСТЬ И СОДЕРЖАНИЕ ДИДАКТИЧЕСКИХ УМЕНИЙ УЧИТЕЛЯ ФИЗИЧЕСКОЙ КУЛЬТУРЫ

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Қисқача мазмуни: Ушбу мақолада жисмоний тарбия ўқитувчиларининг дидактик кўникмаларини шакллантириш масалаларига оид илмий ёндошувлар келтирилган. Ўзбекистон ва хориж олимлари томонидан ўрганилган тадқиқот натижалари тахлили асосида дидактик кўникманинг туб моҳияти очиб берилган. Илмий мақола жисмоний тарбия бўйича педагоглар жамоаси учун амалий ишланма сифатида фойдаланишга тавсия этилади.

Ключевые слова: педагогических категорий, синтез теоретических знаний, умений, динамической совокупности, педагогов-практиков, дидактический умение, совершенствования, акцентируют

ZAMONAVIY TA'LIMDA RAQAMLI TEXNOLOGIYALARDAN FOYDALANISH ISTIQBOLLARI

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D.T.SHodiev, *o'qituvchi*, Guliston davlat universiteti

Qisqacha mazmuni: Mazkur maqolada respublikamiz oliy ta'lim tizimida raqamli texnologiyalarni qo'llash, ularning imkoniyatlarini tahlil qilish asosida o'quv jarayonini rivojlantirishning ustuvor yo'nalishlari aniqlangan. SHuningdek, oliy ta'limda raqamli texnologiyalarni joriy etishga ilmiya soslangan xulosalar tuzishda mavjud bo'lgan amaliyotni o'rganish, tizimlashtirish va

umumlashtirish orqali ta'lim sohasida nafaqat muhim o'rin egallashi va qanday shaklda joriy etilishi bo'yicha takliflar keltirilgan.

Kalit so'zlar: raqamli texnologiyalar, axborot-kommunikatsiya texnologiyalari, oliy ta'lim tizimi, zamonaviy ta'lim, raqamli bilimlar, Internet tizimi, masofaviy o'qitish.

Abstract: In this article, priority directions of development of the educational process are determined on the basis of application of digital technologies in the higher education system of the Republic, analysis of their capabilities. Also, proposals have been made on how and in what form the introduction of digital technologies in higher education can only take an important place in the field of education by studying, systematizing and summarizing the existing practice in drawing up scientificallybased conclusions.

Keywords: digital technology, information and Communication Technology, higher education system, modern education, digital knowledge, Internet system, distance learning.

ЁШ КУРАШЧИЛАРНИ ХАР ТОМОНЛАМА ЖИСМОНИЙ ТАЙЁРГАРЛИГ ЖАРАЁНИДА ҲАРАКАТЛИ ЎЙИНЛАРНИНГ АХАМИЯТИ

Э.Турабоев, ГулДУ катта ўқитвчиси

Қисқача мазмуни: Ушбу мақола мавзусида курашчиларни жисмоний тайёргарлик даражаси, жисмоний ва техник тайёрлаш воситаларининг ҳажмини режалаштиришда услубий ёндашувларнинг умумий тамойиллари ва фарқланишлари, умумий жисмоний ривожлантириш учун намунавий ҳаракатли ўйинлар, махсус жисмоний тайёргарликни (МЖТни) баҳолаш каби масалалар кенг ёритиб берилди.

Калит сўзлар: курашчилар, жисмоний тайёргарлик, техник тайёрлаш, ҳаракатли ўйинлар, жисмоний ривожланиш.

ЗНАЧЕНИЕ ПОДВИЖНЫХ ИГР ВО ВСЕСТОРОННЕЙ ФИЗИЧЕСКОЙ ПОДГОТОВКИ ЮНЫХ БОРЦОВ

Э.Турабоев, Старший преподаватель ГулГУ

Аннотация: В данной статье рассматриваются такие вопросы, как уровень физической подготовки борцов, общие принципы и различия методических подходов в планировании размеров средств физической и технической подготовки, модельных игровых действий для общего физического развития, оценки специальной физической подготовки. (СФП) были широко освещены.

Ключевые слова: борцы, физическая подготовка, техническая подготовка, подвижные игры, физическое развитие.

THE SIGNIFICANCE OF OUTDOOR GAMES IN THE COMPREHENSIVE PHYSICAL TRAINING OF YOUNG WRESTLERS

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Abstract: This article discusses such issues as the level of physical fitness of wrestlers, general principles and differences in methodological approaches in planning the size of physical and technical training means, model game actions for general physical development, assessment of special physical fitness (SFP) were widely covered.

Keywords: wrestlers, physical training, technical training, outdoor games, physical development

O'ZBEKISTONDA TALIM SAMARADAORLIGINI OSHIRISHDA O'QITUVCHI FAOLIYATI MEXANIZMINING PSIXOLOGIK XUSUSIYATLARI

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Qisqacha mazmuni: Oliy ta'lim tizimida mehnat qilayotgan professor-o'qituvchilarning ko'pchiligi ta'lim-tarbiya jarayonida innovatsion pedagogik texnologiyalardan foydalanishning o'qituvchi-pedagoglar kasbiy mahoratini ta'minlashning vositasi, o'quvchi-talabalar faolligini oshirishning muhim omili sifatidagi zaruriyati va ahamiyatini yoritilgan.

Kalit so'zlar: Mustaqil rivojlanish mexanizmlari, innovatsiya, o'z-o'zini rivojlantirish, malaka oshirish, ta'lim-tarbiya, innovatsiya, innovatsion pedagogik jarayon, yangilik.

BADIIY ASAR BIOGRAFIYASI

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Qisqacha mazmuni: Mazkur maqolada tarixiy asarlarda tasvirlangan voqea-hodisalarga muallif g'oyaviy-hissiy munosabati: obrazlar tizimining tanlanishi va qo'yilgan muammoni ular vositasida poetik idrok etishi hamda badiiy hukm chiqarishini ijod jarayoni bilan chambarchas bog'liq tarzda tahlil qilingan bo'lib, badiiy asar mohiyatini ochishda badiiy ijod qirralari, ijodkor psixologiyasi biri ikkinchisi bilan bog'liq ravishda badiiy mukammallikka yetishini, shu bilan birga ijod jarayoni va qahramon masalasi tadqiq etilgan.

Kalit so'zlar: ijodiy laboratoriya, badiiy g'oya, ijodiy niyat, badiiy ijod olami, ijodkor psixologiyasi, badiiy-estetik talqin, ijodiy jarayon, konseptual umumlashma,

ijodiy reja, psixobiografiya va boshqalar.

БИОГРАФИЯ ПРОИЗВЕДЕНИЯ ИСКУССТВА

Тураева Дильноза Нематуллаевна

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Аннотация: В данной статье анализируется идейно-эмоциональное отношение автора к событиям, описанным в исторических произведениях: выбор системы образов и его поэтическое восприятие проблемы через них, а также его художественное суждение в способ, который тесно связан с творческим процессом, психология творца связана с художественным совершенством, и в то же время исследуется творческий процесс и вопрос о герое.

Ключевые слова: творческая лаборатория, художественная мысль, творческий замысел, мир художественного творчества, творческая психология.

BIOGRAPHY OF A WORK OF ART

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Abstract: In this article, the ideological-emotional attitude of the author to the events described in the historical works: the selection of the system of images and his poetic perception of the problem through them, as well as his artistic judgment, are analyzed in a way that is closely related to the creative process. , the psychology of the creator is related to the artistic perfection, and at the same time, the creative process and the question of the hero are researched.

Keywords: creative laboratory, artistic idea, creative intention, world of artistic creativity, creative psychology, artistic-aesthetic interpretation, creative process, conceptual generalization, creative plan, psychobiography, etc.

THE ISSUE OF MEMBERSHIP IN THE LITERATURE OF TURKISH NATIONS (In the example of Chingiz Aytmatov and Nurali Kabul)

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Abstract: In the work of Nurali Kabul, one can feel the respect for the personality of Chingiz Aitmatov. This article talks about the creative harmony between the two writers, especially the interrelated aspects of the stories “The White Ship” and “The Bottomless Sky”, and the issue of similarity in the fate of the hero.

Keywords: conflict, character, person, dialogue, period, fact, character, event, inner monologue, pathos, background.

UNIVERSITETDAN OLDINGI TAYYORGARLIK IMKONIYATLIK O'RTA MAKTAB O'QUVCHILARI BILAN KASBGA YO'NALTIRISH ISHLARI

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Ismatova Sarvinoz Sanjarovna, *GulDU talabasi*

Qisqacha mazmuni: Bu maqolada o'quvchi-yoshlar maktabdan keyingi yo'nalishi, kelajakdagi kasbini tanlashi, maktab o'quvchilarini kasbga yo'naltirishi, yoshlarni kasbiy ongini va kasbiy yo'nalishini shakllantirishdan iborat.

Kalit so'zlar: ta'lim, maqsad, shaxsiy, zamonaviy, bilim, universitet, jamiyat, kasb-hunar, bosqich, uzluksiz, maktab, imkoniyat, o'quvchi, ish, yo'nalish, kelajak, ong, seminar, uslubiy.

Abstract: In this article, the direction of students after school, the choice of a future profession, the orientation of schoolchildren to the profession, the formation of the professional consciousness and professional direction of young people.

Keywords: education, goal, personal, modern, knowledge, university, society, profession, stage, continuous, school, opportunity, student, work, direction, future, consciousness, workshop, method.

INGLIZ TILIDA GEOLOGIYA SOHASIGA OID TERMINLAR YASALISHINING SAMARALI USULLARI

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Qisqacha mazmuni: Maqolada ingliz tilida geologiya sohasiga oid terminlarining yasalishida suffikslardan foydalanish yo'llari ko'rsatilgan. So'z hosil qiluvchi qo'shimchalar – suffikslar otlarga ham, fe'l va sifatlarga ham qo'shilishi mumkin.

Kalit so'zlar: geologik terminlar, termin-ibora, suffiks, model, atama birikmasi, mavhum otlar, terminologik sifat.

Abstract: The article shows the ways of using suffixes in the formation of geological terms in English. Word-forming affixes-suffixes can be attached to nouns, verbs and adjectives.

Keywords: geological terms, term-expression, suffix, model, combination of terms, abstract nouns, terminological adjectives.

THE ROLE OF THE TEACHER IN THE FORMATION OF CREATIVE ABILITIES OF STUDENTS

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Abstract: This article discusses the pedagogical creativity of the teacher, the ability of the creative potential, its importance, the ways of its development, the components and criteria that develop creativity

Keywords: pedagogical creativity, creator, creative potential, activity, development, intellect, initiative, approach, pedagogical problem, component, criterion, activity

TALABALARNI INNOVATSION FAOLIYATGA YO'NALTIRISH TEXNOLOGIYASI

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Panjiyev Orifjon, *o'qituvchi*, *To'qimachilik va engil sanoat texnologiyasi kafedrası*
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Qisqacha mazmuni: Maqolada talabalarni innovatsion faoliyatga yo'naltirish texnologiyasi va innovatsion faoliyatning tuzilishi haqidagi olimlarning fikrlari tahlil qilinadi. Talabalarning innovatsion kompetentsiyasini shakllantirish kontseptsiyasini yaratish maqsadida umumiy tushunchalar mazmuni aniqlandi, bu kompetentsiyaning tuzilishi, uni shakllantirish uchun zarur bo'lgan bosqichlar va shart-sharoitlar ko'rib chiqildi.

Kalitso'zlar: innovatsion faoliyat, innovatsion kompetentsiya, kompetentsiya, bo'lish, salohiyatni shakllantirish, takomillashtirish, rivojlanish, isloh qilish.

Abstract: The article analyzes the opinions of scientists about the technology of directing students to innovative activities and the structure of innovative activities. In order to create the concept of formation of innovative competence of students, the content of common concepts was determined, the structure of this competence, the stages and conditions necessary for its formation were considered.

Keywords: innovative activity, innovative competence, competence, becoming, potential formation, improvement, development, reform.

QISQA MASOFALARGA YUGURUVCHILARNI MUSAQALARGA TAYYORLASH USLUBYATLARINI TAKOMILLASHTIRISH.

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Qisqacha mazmuni: Qisqa masofalarga yuguruvchi yengil atletikachilarni musobaqalarga tayyorlashda mashg'ulot tuzilmalarini musobaqa jarayoniga mos ravishda rejalashtirish samardorligi. Qisqa masofaga yugurish turlariga ixtisoslashgan talaba-sportchilar bilan o'tkaziladigan yillik tayyorgarlik mashg'ulotlari jarayonini takomillashtiri asosida tashkil etish.

Kalit so'zlar: Yillik o'quv sikli, sprinter, sprinter, mashg'ulot jarayoni, texnika, o'quv yuklamalari.

Abstract: Effectiveness of planning training structures in accordance with

the competition process in preparing short-distance runners for competitions. In the sports training system, the training of highly qualified athletes, the management of training processes with the help of modern pedagogical technologies have become more and more popular and have become priority tasks.

Keywords: Annual training cycle, sprinting, sprinter, training process, technique, training loads.

INNOVATION TECHNOLOGIES AS A BASIS FOR VISUAL ARTS TEACHER TRAINING PROGRAM DEVELOPMENT

Botir Allaberdiyevich USMANOV

*“Tasviriy san`at va muhandislik grafikasi” kafedrası o`qituvchisi
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Qisqacha mazmuni: maqola tasviriy san`at darslarida innovatsion texnologiyalarni qo`llash jarayoni, tasviriy san`at o`qituvchilari tayyorlash tizimini innovatsion texnologiyalar asosida takomillashtirishga qaratilgan. Darslarni tashkil etishda innovatsion pedagogik texnologiyalarni qo`llash va u orqali samarali natijalarga erishish masalalari keltirilgan.

Kalit so`zlar: innovatsiya, innovatsion texnologiya, konservatorlik, novatorlik, innovatsiya muhiti, interfaol metodlar, pedagog, talaba, akmeologiya, kreativlik.

Abstract: the article is aimed at improving the process of using innovative technologies in art lessons, the system of training teachers of fine arts based on innovative technologies. The questions of the use of innovative pedagogical technologies in the organization of classes and the achievement of effective results due to this are presented.

Keywords: innovation, innovative technology, conservation, innovation, innovative environment, interactive methods, teacher, student, acmeology, creativity.

REFLECTION OF NATURAL GENDER IN LINGUISTICS IS A GRAMMATICAL GENDER

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Abstract: This article addresses gender in modern linguistics. The term “gender” is commonly used to refer to the biological and social distinctions between men and women. The term “gender” in linguistics formation and intensive development of the study of gender in linguistics occurs at the end of the XX century. People may also be aware that words in languages can be both masculine and feminine. It may appear at first glance that grammatical gender reflects natural gender in grammar.

Keywords: anthropocentric approach, gender, linguistic phenomena, stereotypical ideas, socio-sexual relations, masculine and feminine, sex, male and female

“GOOGLE DRIVE” ILOVASIDA ELEKTRON AXBOROT TA'LIM RESURLARINI YARATISH IMKONIYATLARI TAHLILI

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Annotatsiya: *Maqolada “Ilmiy tadqiqotning nazariy asoslari” fanini o'qitishda “GOOGLE DRIVE” ilovasida* Web-texnologiya asosida elektron-axborot ta'lim resurslarini yaratish, EATRning mohiyati, turlari, tarkibiy elementlari va dasturiy-texnik tavsiflari ko'rib chiqilgan. EATRni yaratish, zarur holatlarda unga o'zgartirishlar kiritish va qayta ishlash shartlari kўrib чиқилган.

Kalit so'zlar: electron axborot ta'lim resursi, ta'lim tizimini raqamlashtirish, axborot-resurs, Web texnologiya, animatsiya, interfeys, dastur.

Annotation: The article discusses the creation of electronic information educational resources based on Web technologies in the GOOGLE DRIVE application, the essence, types, structural elements and software and technical descriptions of the EATP when teaching the subject “Theoretical Foundations of Scientific Research”. The conditions for creating EATR, making changes to it and processing if necessary are considered.

Keywords: electronic information educational resource, digitalization of the educational system, information resource, web technologies.

UMUMIY O'RTA TA'LIM MAKTABLARIDA KREATIV FIKRLASHNI SHAKLLANTIRISH VA UNING AHAMIYATI

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Annatsiya: Формирование креативной деятельности в процессе повышения квалификации учителя начального образования включает в себя постоянную совместную работу, эффективное использование информационных технологий, широкое использование цифровых программ в образовательном процессе, а также неустанную работу над собой.

Ключевые слова: креативность, PIRLS, оценка, подходы, способность, компетентность, исследование, анализ, творческие задания.

Abstract: Primary education includes the formation of creative activity in the process of professional development of the teacher, constant co-operation, productive use of information technologies, extensive use of digital programs in the educational process, as well as tireless work on its own.

Keywords: creativity, PIRLS, assessment, approaches, ability, competence,

research, analysis, creative assignments

BO'SMIR YOSHLARDA SALBIY XULQ-ATVOR PAYDO BO'LISHINING PSIXOLOGIK XUSUSIYATLARI.

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Qisqacha mazmuni: Ushbu maqolada o'smirlik davriga xos bo'lgan salbiy xulq-atvor ko'rinishlari, ularning kelib chiqishi sabablari, rivojlanish shart-sharoitlari, namoyon bo'lishining psixologik xususiyatlari keltirilgan.

Kalit so'zlar: o'smirlik, ontogeniz, deviant, xulq-atvor, xarakter aksentuatsiyasi, bolalar va o'smirlar.

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Guliston davlat universiteti

San'atshunoslik fakulteti "Musiqiy ta'lim" kafedrasini mudiri

Qisqacha mazmuni: Ushbu maqola Ta'lim jarayonida yangi axborot texnologiyalaridan foydalanish tafakkurning vizual-majoziy va nazariy turlarini rivojlantirishni boshlaydi, shuningdek talabalarning ijodiy, intellektual salohiyatini rivojlantirishga ijobiy ta'sir ko'rsatadi. Axborot texnologiyalari musiqa va unga aloqador mavzular uchun o'quv jarayonining ajralmas qismi sifatida ko'rib chiqildi hamda tahlil qilindi.

Kalit so'zlar: Ta'lim –tarbiya, zamonaviy texnologiyalar, pedagogika, nazariya, musiqa ta'limi, milliy an'analar, Ustoz – shogird an'analari.

Аннотация: Данная статья использует новые информационные технологии в учебном процессе для развития наглядно-образного и теоретического типов мышления, а также положительно влияет на развитие творческого и интеллектуального потенциала учащихся. Рассмотрены и проанализированы информационные технологии как неотъемлемая часть учебного процесса по музыке и смежным предметам.

Ключевые слова: Образование – образование, современные технологии, педагогика, теория, музыкальное образование, национальные традиции, традиции магистра – ученика.

UZLUKSIZ TA'LIM TIZIMIDA RAQAMLI TEXNOLOGIYALARDAN FOYDALANISHNING AXAMIYATI

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Qisqacha mazmuni: Mazkur maqolada respublikamiz oliy ta'lim tizimida raqamli texnologiyalarni qo'llash, ularning imkoniyatlarini tahlil qilish asosida

o'quv jarayonini rivojlantirishning ustuvor yo'nalishlari aniqlangan. Shuningdek, oliy ta'limda raqamli texnologiyalarni joriy etishga ilmiy asoslangan xulosalar tuzishda mavjud bo'lgan amaliyotni o'rganish, tizimlashtirish va umumlashtirish orqali ta'lim sohasida nafaqat muhim o'rin egallashi va qanday shaklda joriy etilishining ijtimoiy-pedagogik shart-sharoitlari bo'yicha takliflar berilgan.

Kalit so'zlar: raqamli texnologiyalar, axborot-kommunikatsiya texnologiyalari, oliy ta'lim tizimi, zamonaviy ta'lim, raqamli bilimlar, Internet tizimi, masofaviy o'qitish.

Abstract: This article identifies priority areas for the development of the educational process based on the use of digital technologies in the higher education system of our republic and analyzes their capabilities. Also, by studying, systematizing and generalizing the existing practice of drawing up evidence-based conclusions on the introduction of digital technologies in higher education, proposals are made not only about the socio-pedagogical conditions of its important place in the field of education and what form is introduced.

Keywords: digital technologies, information and communication technologies, higher education system, modern education, digital knowledge, Internet system, distance education.

MILLIY NAQQOSHLIK SAN'ATI VA UNING O'ZIGA XOSLIGI

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*“Tasviriy san'at va muhandislik grafikasi” kafedrası o'qituvchisi
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Qisqacha mazmuni: naqqoshlik san'ati va uning tarixi haqida so'z yuritilgan. Naqsh maktablari, uning turlari, usullari hamda ushbu yo'nalishda ijod qilgan usta naqqoshlar to'g'risida ma'lumotlar berib o'tilgan.

Kalit so'zlar: xalq amaliy san'ati, naqsh, girih, islmiy, pardoz, bezak, ranglar gammasi, kolorit, kompozitsiya.

Annotation: the art of painting and its history. There is information about the schools of the pattern, its types, methods and master painters who created this direction.

Key words: folk art, pattern, girikh, islmi, make-up, decoration, color scale, color, composition.

BO'LAJAK BOSHLANG'ICH SINF O'QITUVCHILARINI KREATIV KOMPETENSIYASINI SHAKLLANTIRISHNING NAZARIY MODELI

Botir Xushboqovich XUSHBOQOV, TDIU tayanch doktoranti

Qisqacha mazmuni: Zamonaviy Yangi O'zbekiston hayotining voqeligi faol kechayotgan modernizatsiya jarayonlari bilan tavsiflanadi va innovatsion faoliyatga mo'ljal olgan, tayanadigan, o'zini mustaqil takomillashtirishga va mustaqil rivojlanishga qodir shaxs bu jarayonlarning muvaafaqiyatining eng muhim

omilidir. Bu o'z-o'zidan ayonlik bilan pedagoglarning kreativ kompetentsiyasini shakllantirish modelini ishlab chiqish va uni bo'lajak boshlang'ich sinf o'qituvchilari orqali amalga oshirish zaruratini keltirib chiqaradi.

Kalit so'zlar: innovatsion faoliyat, faol, kreativ kompetentsiya, Model, ilmiy yonlashuvlar, Shaxs, Tizimlilik tamoyili, hayotiy va kasbiy tajribasi.

Abstract: The reality of the life of modern New Uzbekistan is characterized by active modernization processes, and a person who is focused on innovative activities, who relies on him, is able to improve himself and develop independently is the most important factor in the success of these processes. It is self-evident that it is necessary to develop a model for the formation of creative competence of pedagogues and to implement it through future primary school teachers.

Keywords: innovative activity, active, creative competence, Model, scientific approaches, Personality, Systemic principle, life and professional experience.

NOSIRUDDIN RABG'UZIYNING "QISAS UL-ANBIYO"SIDAN O'RIN OLGAN "ZULQARNAYN QISSASI" TAHLILI

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Qisqacha mazmuni: Ushbu maqolada Sharq musulmon xalqlari orasida nomi mashhur bo'lgan Luqmoni hakim siyrati haqida ilmiy ma'lumotlarning qiyosiy tahlili haqida so'z yuritiladi. Qur'oni Karimda nomi zikr etilgan payg'ambarlar, tarixiy shaxslar haqida ma'lumot beruvchi "Qisas ul-anbiyo" nomli turkum asarlar Musulmon dunyosida qadimdan mashhur va ko'p ahamiyat beriluvchi asarlardan biri hisoblangan. Shu bois mazkur mavzuga aloqador ko'plab asarlar deyarli barcha musulmon xalqlarida uchraydi. Turkiy xalqlar, xususan, o'zbek tilida bu mavzuda ta'lif etilgan dastlabki va eng mufassal manba sifatida Xorazmning raboti O'guz muzofoti qozisiga tegishli bo'lgan "Qisas ul-anbiyo" nomi bilan mashhur bo'lgan "Qisas ur-Rabg'uziy" asari ko'riladi.

Kalit so'zlar: Hazrat Iskandar, qissa, siyrat, o'zbek adabiyoti, tahli, tahqiq, anbiyo, nabiy, hakim, mutafakkir, mufassir, matn, tadqiq, matal, rahnamo, tavsif.

Abstract. This article deals with the comparative analysis of scientific data about the syrat of Hakim Luqmani, whose name is famous among the Muslim peoples of the East. The series of works called "Qisas ul-Anbiyya" which provides information about the prophets and historical figures mentioned in the Holy Qur'an, has been considered one of the most famous and important works in the Muslim world since ancient times. Therefore, many works related to this topic can be found in almost all Muslim nations. As the first and most detailed source written on this topic by the Turkic peoples, in particular, in Uzbek language, is "Qisas ur-Rabg'", known as "Qisas ul-Anbiyya", which belongs to the judge of Oguz province, rabat of Khorezm..

Keywords: Lukman, short story, poetry, Uzbek literature, analysis, research, prophet, prophet, hakim, thinker, commentator, text, research, matal, guide, description.

DARSLARNING SAMARADORLIGINI OSHIRISHDA AXBOROT TEXNOLOGIYALARINING O'RNI

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Qisqacha mazmuni: Ushbu maqolada ta'lim jarayonida axborot texnologiyalari va pedagogik texnologiyalardan foydalanib, dars samaradorligini oshirish yo'llari haqida to'xtalib o'tdik

Kalit so'zlar: Kommunikatsiya, differentsial, texnologiya, dinamik jarayon, grafik, elektron qo'llanma.

Annotation: This article is devoted to the way of improving effectiveness of the lesson with the help of applying pedagogic and modern technologies in the process of education.

Keywords: Communication, differential, technology, dynamic process, graphics, electronic manual.

YOSHLARGA SUG'ORILADIGAN TUPROQLARNI UNUMDORLIGINI OSHIRISHNI O'RGATISH YO'LLARINI

Ziyodullaeyva Aziza *GulDU talabasi*

Muxliboyev Mahmud *GulDU dotsenti,*

Qisqacha mazmuni: Ushbu maqolada o'quvchi - yoshlar ongida ekologik ta'lim, tarbiyani xamda ularni tabiat va atrof muhitga nisbatan hurmat, ehtiyotkorona munosabat va unga masuliyat bilan qarash hissini tarbiyalashni shakllantirish boyicha masalalar echish chora tadbirlari oz aksini topgan.

Kalit sozlar: ekologik inqiroz, tadrijiy, ekologik bilimsizlik, ekotizm biotsenoz, ekotizm-agrobiotsenoz, agrotexnik, to'qaylar, meliorativ, chiqitli, chiqitsiz, ikkilamchi, xomashyo, kapillyar hodisalar, xlorid kislotasi, yer relyefi.

Abstract: In this article, the problem-solving measures for the formation of ecological education, upbringing, and the formation of a sense of respect for nature and the environment, a careful attitude and a sense of responsibility for it.

Keywords: ecological crisis, gradual, ecological ignorance, ecotism biocenosis, ecotism-agrobiocenosis, agrotechnics, forests, reclamation, waste, non-waste, secondary, raw materials, capillary phenomena, hydrochloric acid, land relief.

OILAVIY ZO'RAVONLIK VA OILAVIY NIZOLAR

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Qisqacha mazmuni: Ushbu maqolada oilaviy nizolar va unda ayolning psixologik savodxonligi, ayollarning jamiyatdagi o'rni va oiladagi huquq va majburiyatlari haqida ma'lumotlar keltirilgan.

Kalit soʻzlar: hissiy, emotsional zoʻriqishlar, oilaviy hayot, psixologik iqlim, oilaviy nizo, iqtisodiy zoʻravonlik, ruhiy zoʻravonlik

Abstract: This article provides information on family conflicts and their psychological literacy, the role of women in society and their rights and responsibilities in the family.

Keywords: emotional abuse, stress, family life, psychological climate, family dispute, economic violence,

ELEMENTS OF CULTURAL EXPRESSION IN RUSSIAN AND UZBEK LANGUAGES

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Abstract: The article defines the concept of the elements of the expression of the culture of two languages. It tells about the importance of comparing the phraseological pictures of the world of two peoples, which is based on the study of the thematic and ideographic semantics of phraseological units and the identification of their figurative and motivational foundations, cultural sources for the formation of their semantics.

Keywords: lexical unit, spirituality, phraseological system, thematic-ideographic semantics, denotative-significative dependence, linguoculturology, figurative-situational motivation, emotiveness.

SOʻZ LISONIY BIRLIKMI, NUTQIY BIRLIKMI?

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Qisqacha mazmuni: Maqolada A.Nurmonov va A.Hojiyevlarning fikr-mulohazalari asosida oʻzbekcha soʻzning serqirra, murakkab mohiyatiga eʼtibor qaralilib, bu boradagi dastlabki dol-zarb muammo – soʻzning lisoniy yoki nutqiy birlikligi masalasi koʻtarilgan. Shu maqsadda soʻzning oʻzbek tilshunosligidagi ayrim koʻpchilikka maʼlum taʼrif-talqinlari tahlildan oʻtkazilib, shu asosda soʻzning lisoniy birlikligini asoslashga harakat qilingan.

Kalit soʻzlar: til, lison, nutq; soʻz, leksema, soʻzshakl; leksik soʻz, grammatik soʻz; lugʻaviy maʼno, grammatik maʼno, modal maʼno.

IS A WORD LINGUISTIC OR SPEECH UNIT?

Abdullaev Jumanazar Khudayberdiyevich,

Abstract: The article, taking into consideration the opinion and discussion of A. Nurmonov and A. Hojiev about the multi-functionality and complexity of

the Uzbek word, reveals the initial problem in the sphere – is a word linguistic or speech unit. On this purpose, some definitions given in Uzbek science of language are shared, achievements and omissions are shown, and the attempt to prove the linguistic essence of the word is done in the article.

Keywords: language, linguistic, speech, word, lexeme, word-form, lexical word, grammatical word, dictionary meaning, grammatical meaning, modal meaning.

TIBBIY TA'LIMDA INNOVATSION TEXNOLOGIYALARNING TUTGAN O'RNİ

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Qisqacha mazmuni: O'zbekiston Respublikasining tibbiyot sohasida amalga oshirilayotgan islohotlarning asosiy maqsadi inson va uning salomatligi, xavfsizligi, turmush tarzi va farovonligini ta'minlash hamda yuqori malakali mutaxassislarni tayyorlashga qaratilgandir. Tibbiyot sohasidagi taraqqiyotni harakatga keltirishda va ijtimoiy hayotda kuzatilayotgan jarayonlarga ijobiy ta'sir ko'rsatishda barcha yo'nalishlarda yangilanishning muhim sub'ekti bo'lgan yoshlar, xususan ta'lim oluvchilarni barkamol inson, o'z sohasida etuk mutaxassis qilib tarbiyalash muhim ahamiyatga ega.

INNOVATIVE APPROACHES TO SELECTION AND EMPLOYMENT OF STAFF

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Abstract: This article describes the features of the selection and hiring of personnel, hiring from the point of view of economists, the period of hiring, the number of employees involved in the hiring process, sources of hiring, scope, methods of hiring, payment of wages.

Keywords: profession, age, work experience, education, qualifications, gender, additional specialties, placement of ads, direct employment at an enterprise, organization).

ПОВЫШЕНИЕ МОТИВАЦИИ ПЕРСОНАЛА ОБРАЗОВАТЕЛЬНОГО УЧРЕЖДЕНИЯ В СИСТЕМЕ УПРАВЛЕНИЯ

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Аннотация: Одной из актуальных тенденций эпохи инновационного развития общества в нашей стране является совершенствование профессиональной компетентности учителя в период осуществления

процессов модернизации в рамках экономических и социальных реформ в том числе и усовершенствование мотивации у персонала в системе управления образовательных учреждений. Важное практическое значение для определения основных направлений повышения квалификации руководителей системы народного образования и преобразования данной системы.

Ключевые слова: Мотивация, персонал, образования, система управления

Abstract: One of the current trends in the era of innovative development of society in our country is the improvement of the professional competence of the teacher during the implementation of modernization processes in the framework of economic and social reforms, including the improvement of motivation among staff in the management system of educational institutions. It is of great practical importance for determining the main directions of advanced training for leaders of the public education system and the transformation of this system.

Keywords: Motivation, personnel, education, management system

TURKISTON, MOLGUZAR TOG‘ TIZMALARI VA MIRZACHO‘LDA CHORVACHILIK XO‘JALIGI EVOLYUTSIYASI XUSUSIDA.

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Umarova Aziza Umurzoq qizi, GulDU magistranti

Qisqacha mazmuni: Markaziy Osiyo xalqlari qadimdan mavjud geografik xuddagi ekomuxitni borligicha e‘zozlab, qishloq xo‘jaligining asosiy tarmoqlaridan bo‘lmish chorvachilikda o‘ziga xos etnoekologiya tizimini yaratadi.

Kalit so‘zlar: Ustrshona, Movorounnaxr, Turkiston, Mloguzar tog‘i, Markaziy Osiyo, etnoekologiya, ekomuxit, mintaqa, xo‘jalik, chorvachilik, manzilgoxlar, yaylovlar.

Abstract: The peoples of Central Asia respected the ecological environment of the existing geographical area as it is, and were able to create a unique ethnoecological system in animal husbandry, which is one of the main branches of agriculture.

Keywords: Ustrshona, Movorunnahr, Turkestan, Mloguzar mountain, Central Asia, ethnoecology, ecology, region, economy, animal husbandry, settlements, pastures.

РОЛЬ СЕМЬИ И РЕЛИГИОЗНОГО ВОСПИТАНИЯ В ПОДГОТОВКЕ МОЛОДЫХ ЛЮДЕЙ К СЕМЕЙНОЙ ЖИЗНИ.

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Аннотация: В этой статье роль духовно-нравственного и религиозного воспитания в совершенствовании психологической подготовки юношей к

семейной жизни, непосредственно проанализировано влияние формирования религиозного сознания на процесс семейного воспитания. Обсуждаются психологические особенности подготовки и обучения студенческой молодежи к семейной жизни в духе национальных ценностей и ее социально-научно-педагогические основы. Кроме того, были представлены мнения о путях и средствах совершенствования механизмов подготовки студенческой молодежи к семейной жизни на основе национальных ценностей и повышения их эффективности.

Ключевые слова: юноши, религиозное сознание, семья, формирование, психологическая подготовка, личность, воспитание, семейная жизнь, нравственность, религиозное воспитание.

Abstract: This article directly analyzes the role of spiritual and moral and religious education in improving the psychological preparation of young people for family life, the influence of the formation of religious consciousness in the process of Family Education. And in the spirit of national values, the student talked about the psychological features of preparing and teaching young people to family life and its social and scientific pedagogical foundations. In addition, opinions are expressed on the methods and methods of improving and improving the effectiveness of training mechanisms of student youth for family life on the basis of national values.

Keywords: guys, religious consciousness, family, formation, psychological training, personality, upbringing, family life, morality, religious upbringing.

INNOVATION FAOLIYAT VA UNING STRUKTURASI

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Qisqacha mazmuni: ushbu maqola oliy ta'lim tizimi oldida o'z echimini topishi lozim bo'lgan muammolar va oliy ta'lim muassasalarining bitiruvchilari va ishlab chiqarish (ishlab chiqarishdagi texnologiyalar) orasida kuzatilayotgan tafovutlarni bartaraf etish hamda talabalarni innovatsion faoliyatga yo'naltirish, yoshlarni bandligini oshirish, yosh tadbirkorlar sinfini shakllantirish masalasiga alohida e'tibor qaratilgan.

Qisqacha mazmuni: innovatsion faoliyat, innovatsion kompetensiya, kasbiy kompetensiya, iqtisodiy globallashuv kompetentlik, harakatchanlik, o'z-o'zini rivojlantirish usullari

XALQ QO'SHIQLARIDA XALQ QALBI YASHAYDI

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Qisqacha mazmuni: O'zbek xalq qo'shiqlari, allomalarimizning yosh avlodlarning ma'naviy-ahloqiy fazilatlarini shakllantirish to'g'risidagi fikrlari

ilmiy o'rganilgan va asoslangan.

Kalit so'zlar: Odob, ahloq, nafosat, mehr-oqibat, vatanparvarlik, folklor.

Аннотация: Научно изучены и обоснованы узбекские народные песни, мнения наших ученых о формировании духовно-нравственных качеств подрастающего поколения.

Ключевые слова: Порядочность, нравственность, утонченность, доброта, патриотизм, фольклор.

ЦИФРОВАНИЯ В ОБРАЗОВАНИИ КАК ФАКТОР ФОРМИРОВАНИЯ НАУЧНО-ТВОРЧЕСКИХ СПОСОБНОСТЕЙ В РАННЕМ ЮНОШЕСКОМ ВОЗРАСТЕ

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Аннотация: В статье рассматриваются цифрования в образовании как фактор формирования креативности, творческих и научно-творческих способностей учащихся в раннем юношеском возрасте, его воздействие на формирование творческой личности, на задачи формирования интеллектуально развитой личности. Даются научные обоснования предпосылок проявления научно-творческих способностей. Решающее значение для адаптации человека к сложным реалиям современного общества имеет не только объем накопленных знаний, но их системность и умение применять знания в практической деятельности. Это требует определенного стиля мышления, которое обычно называют научным, способного увидеть новые связи между вещами и создать новое, как в материальной, так и в духовной сфере.

DIGITALIZATION IN EDUCATION AS A FACTOR IN THE FORMATION OF SCIENTIFIC AND CREATIVE ABILITIES IN EARLY ADOLESCENCE

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Abstract: The article considers digitalization in education as a factor in the formation of creativity, creative and scientific-creative abilities of students in early adolescence, its impact on the formation of a creative personality, on the tasks of forming an intellectually developed personality. Scientific substantiations of prerequisites for the manifestation of scientific and creative abilities are given. Crucial for the adaptation of a person to the complex realities of modern society is not only the amount of accumulated knowledge, but their consistency and the ability to apply knowledge in practice. This requires a certain style of thinking, which is usually called scientific, capable of seeing new connections between things and

creating new ones, both in the material and spiritual spheres.

Keywords: digitalization in education, scientific and creative abilities, integration, virtualization, virtual and augmented reality (VR, AR), cloud computing, mobile technologies

МЕТОДЫ ИССЛЕДОВАНИЯ ЛЕКСИЧЕСКОЙ И ГРАММАТИЧЕСКОЙ СЕМАНТИКИ СЛОВА

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Аннотация: В статье рассматриваются психолингвистические аспекты исследования лексической и грамматической семантики слова. Используются знания, полученные в результате психолингвистических экспериментов, для описания семантики слова. Семантика слова как теоретическое понятие можно описать в виде развернутого набора теоретических допущений об основных, существенных свойствах значения. Психолингвистический эксперимент позволяет достаточно объёмно и психологически достоверно представить семантику слова как феномен актуального языкового сознания носителей языка.

Ключевые слова: аспекты исследования, психолингвистическое значение, экспериментальные методы, лексическая семантика слова, семантика, описание семантики, лингвоконцептология.

Abstract: The article deals with psycholinguistic aspects of the study of the lexical and grammatical semantics of the word. The knowledge obtained as a result of psycholinguistic experiments is used to describe the semantics of the word. The semantics of a word as a theoretical concept can be described as a detailed set of theoretical assumptions about the basic, essential properties of meaning. The psycholinguistic experiment allows us to present the semantics of a word as a phenomenon of the actual linguistic consciousness of native speakers in a sufficiently voluminous and psychologically reliable way.

Keywords: research aspects, psycholinguistic meaning, experimental methods, lexical semantics of the word, semantics, description of semantics, linguoconceptology.

ЗАНИМАТЕЛЬНЫЕ ИГРЫ НА ЗАНЯТИЯХ ПО РАЗВИТИЮ РЕЧИ

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Аннотация: Хорошо продуманное и четко организованное практическое занятие с применением занимательных игр обогащает обучающихся новыми знаниями, расширяет их кругозор, способствует формированию у них основ демократического мировоззрения, воспитанию высоких моральных качеств.

Ключевые слова: самостоятельное мышление, опыт, интерактивный метод, знание, навык, метод, эффективность.

Abstract: A thoughtful and well-organized practical lesson using entertaining games enriches students with new knowledge, expands their horizons, contributes to the formation of the foundations of a democratic worldview and the education of high moral qualities.

Keywords: independent thinking, experience, interactive method, knowledge, skill, method, efficiency.

ИНФОРМАЦИОННЫЕ ТЕХНОЛОГИИ В ОБРАЗОВАТЕЛЬНОМ И САМООБРАЗОВАТЕЛЬНОМ ПРОЦЕССЕ

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Аннотация: Применение информационных технологий считается необходимым на занятиях русского языка, так как они способствуют совершенствованию практических умений и навыков, позволяют эффективно организовать самостоятельную работу и индивидуализировать процесс обучения, повышают интерес к занятиям русского языка, активизируют познавательную деятельность обучающихся, осовременивают занятия.

Ключевые слова: информационные технологии, актуальные проблемы, компьютерная технология, внедрение, формирование, навыки, образование.

Abstract: The usage of information technologies is considered to be necessary while teaching the Russian language and literature. It helps to improve effectively practical skills; allows to organize independent work and to individualize the process of teaching; raises the interest to the lessons of the Russian language and literature; activates the process of students' cognition; and actualizes the knowledge.

Keywords: information technologies, urgent problems, computer technology, adoption, formation, skills, education.

USING THE POSSIBILITIES OF DIGITAL TECHNOLOGIES IN THE EDUCATIONAL PROCESS

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Abstract: The article describes the concept of informatization of the educational process, the basic concepts used in the process, the possibilities of informatization of education and their use. The main means of informatization of education are information, a computer, an information system, information technologies, operations with information and their role, content and significance. In the process of traditional and information education, the content and essence of pedagogical science are comparatively studied. Information about the role, opportunities and shortcomings of informatization of the educational process is given. **Keywords:** education, information, pedagogy, computer, informatization, computerization, development, comparison.

SHE'RIY MATNDA INTERTEKSTUALLIK**Yodgorov Hamid, *GulDU dotsenti***

Qisqacha mazmuni: Badiiy matnning tarkiblanishini tadqiq etishdagi muhim nuqtalardan biri intertekstuallik masalasidir. Mazkur maqolada Erkin Vohidov she'riyatida intertekstuallikning qanday ko'rinishlari mavjudligi, uning badiiy matni shakllantirishdagi o'rni, shu bilan birga, intertekstuallikning badiiy tasvir vositasi sifatida matn quvvatini oshirishi, kitobxonga estetik zavq berishi kabi masalalar poetik matn misolida yoritib berilgan.

Kalit so'zlar: she'r, poetika, badiiy matn, nobadiiy matn, intertekstuallik, estetik zavq, maqol, epigraf, poststrukturalizm, lingvopoetika, xalq maqoli.

Abstract: Problem of textuality is one of the important elements structure of literary text. The following article discusses questions of different types of intertextuality in the lyrics of Erkin Vohidov, its role in formation of literary text, as well as intertextuality as a visual medium for increasing potential of the text, demonstrating esthetic pleasure to the reader in the example of literary text.

Keywords: poem, poetry, literary text, non-literary text, intertextuality, esthetic pleasure, proverb, epigraph, post-structuralism, linguopoetics, folk proverb.

GAPDA BOSH BO'LAK NECHTA BO'LADI?**Abdullaev Jumanazar Xudayberdievich, *GulDU dotsenti,*****Qambarov Ma'rifjon Abduhakimovich, *GulDU o'qituvchisi***

Qisqacha mazmuni: ushbu maqolada grammatik asos bo'lgan kesim, gapdagi predikativlik, predikativ munosabatlar, gap va uning yadrosi, bir sostavli gaplarning turlari bo'lgan shaxsi aniq gaplar, shaxsi noma'lum gaplar, shaxsi umumlashgan gaplar, shaxssiz gaplar, nominativ gaplar, vokativ gaplar misollar asosida tahlil va tadqiq qilindi.

Kalit so'zlar: grammatik asos, bir cho'qqili sintaktik nazariya, predikativlik, predikativ munosabat, sub'ekt, gapning yadrosi, bir sostavli gaplar, ikki sostavli gaplar, shaxsi aniq gaplar, shaxsi noma'lum gaplar, shaxsi umumlashgan gaplar, shaxssiz gaplar, nominativ gaplar, vokativ gap, kesim.

АНТРОПОНИМЫ КАК СИСТЕМА В ЛИНГВИСТИКЕ,**Жалилова Азиза Абдуганиевна,*****Магистрант, Гулистанский государственный университет***

Аннотация: Русская культура интересна и многогранна, поэтому, помимо культурологов и историков, нередко исследователи в области лингвистики обращают внимание на проявление народных особенностей в языке. Многовековые языковые изменения никак не уменьшили взаимосвязь культуры и языка. Личные имена, являясь частью лексико-семантической

системы, функционируют в ее рамках и одновременно реагируют на любые изменения, происходящие в обществе.

Ключевые слова: антропонимика, ономастика, культура, язык, лингвистика, семантика, денотат.

Abstract: Russian culture is interesting and multifaceted, therefore, in addition to cultural scientists and historians, linguistics researchers often pay attention to the manifestation of folk peculiarities in the language. Centuries-old language changes have not reduced the relationship between culture and language in any way. Personal names, being part of the lexico-semantic system, function within its framework and simultaneously react to any changes taking place in society.

Keywords: anthroponymy, onomastics, culture, language, linguistics, semantics, denotation.

МУҲАММАД ЮСУФ ШЕЪРИЯТИДА ПЕРИФРАЗЛАРНИНГ ЎРНИ

Зулайхо Тўйчиева, ўқитувчи

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Qisqacha mazmuni: Мазкур мақолада перифразларнинг услубий восита сифатидаги ўрни кўрсатилади. Муаллиф шеърий матндаги лексик, фразеологик, синтактик, соф ва контекстуал перифразларни аниқлаб, уларнинг образлилик, таъсирчанлик, жозибadorлик, мазмунни кучайтиришдаги хусусиятларини очиб беради.

Калит сўзлар: перифраза лексик перифраза, фразеологик перифраза, синтактик перифраза, соф ва контекстуал перифраза, услубий восита.

Abstract: The following article indicates the paraphrasing as a methodological mean. The author of the article identifies in the poetic text the lexicology, phraseology, syntaxes, pure and contextual paraphrases and enlightens their properties of strengthening the imaginary, attractiveness, beauty and context.

Keywords: paraphrase, lexicology paraphrase, phraseological paraphrase, syntaxes paraphrase, pure and contextual paraphrase, methodological mean.

BERUNIY VA IBN SINO YOZISHMALARIDA “NARSALAR DIAKLETIKASI”

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Anotatsiya

Qisqacha mazmuni: Ushbu maqolada ilk uyg'onish davri falsafiy fikrlar taraqqiyotida muhim o'rin tutgan Beruniy va Ibn Sinoning ilmiy-falsafiy merosi to'g'risida qisqacha ma'lumot, shuningdek XI asrning eng muhim ilmiy falsafiy meroslaridan biri sifatida qaraladigan yozishmalarning ahamiyati, qadimgi yunon faylasuflari tomonidan eratilgan ta'limotlarga buyuk allomalarimizning fikrlari keltirib o'tilgan.

Kalit so'zlar: Abu Rayxon Beruniy, Abu Ali ibn Sino, Beruniy va Ibn Sino yozishmalari, Xind arifmetikasi, Yevklid va Ptolemey, Isfaxan observatoriyasi, atom, “Osmon haqida”, “Fizika”, atomistik ta'limot, “Sam'al-Kiyon”

INNOVATSION FAOLIYAT TUSHUNCHASI VA UNING NAZARIY-PSIXOLOGIK TAHLILI

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Qisqacha mazmuni: ushbu maqolada ta'lim jarayonida innovatsion faoliyat tushunchasi va uning nazariy-psixologik tahlili berilgan bo'lib oliy ta'lim muassasalari innovatsion faoliyatga yo'nalganligini amalga oshirishda bir qator qulayliklar haqida fikrlar berilgan. Shu bilan birgalikda kasbiy ta'limning asosiy dasturlari doirasida amalga oshirishi lozim bo'lgan ishlab chiqarish va amaliyot aloqadorligi kontekstida modernizatsiyalashtirish ishlarini manzilli kechishini ta'minlashning yo'llari bayon qilingan.

Kalit so'zlar: innovatsion faoliyat, kasbiy ta'lim, modernizatsiyalashtirish, kreativ yondashuv, innovatsion tafakkur, innovatsion g'oya, ijodkorlik, faollik, tashabbuskorlik.

YUQORI MALAKALI FUTBOLCHI QIZLARNING MAXSUS JISMONIY TAYYORGARLIGINI TAKOMILLASHTIRISH

Karimov Fazliddin Jamoliddin o'g'li

Guliston davlat universiteti doktoranti

Qisqacha mazmuni: Ushbu maqolada yuqori malakali futbolchi qizlarning maxsus jismoniy tayyorgarligi darajasi tahliliga oid ma'lumotlar keltirilgan. O'tkazilgan pedagogik testlar futbolchi qizlarning jismoniy tayyorgarlik darajasini aniqlash imkonini berdi. Olingan natijalar va tavsiyalar mutaxassislariga yuqori malakali futbolchi qizlarning jismoniy tayyorgarligini rejalashtirishga imkon beradi.

Kalit so'zlar: maxsus jismoniy tayyorgarlik, nazorat, yuqori malakali futbolchi qizlar, sportchilar tayyorlash tizimi

Abstract: The article presents data on the control of the level of special physical training of high qualification women football players. Pedagogical testing made it possible to establish the level of physical training of women football players. The obtained data and recommendations will allow specialists to plan the physical training of highly qualified women football players.

Keywords: Special physical training, control, highly qualified women football players.

TIBBIY BIOLOGIYA DARSLARINI O'QITISHDA INNOVATSION TA'LIM TEXNOLOGIYALARIDAN FOYDALANISH

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Qisqacha mazmuni: Mazkur maqolada tibbiy oliy ta'lim tizimida dars samaradorligini oshirishning zamonaviy pedagogik texnologiyalar asosida tashkil etish zaruriyati hamda interfaol darslar ta'lim sifatini ko'tarishdagi asosiy vazifalari xususida fikr yuritiladi.

Kalit so'zlar: interfaol ta'lim, texnologiya, o'qituvchi, talaba, modulli tizim.

ПРОСТРАНСТВО В НАУЧНОЙ ЛИТЕРАТУРЕ

Каршибаева Ирода Гайратовна, магистр Гулду

Аннотация: В данной статье рассматривается проблема категории пространства, играющий важную методологическую роль в исследовательской деятельности лингвистов. Ключевым конструктом для реконструкции представлений о пространстве в языке выступает языковая картина мира. Опыт познания мира, в том числе его пространственных атрибутов, хранится в языковой картине мира в виде категорий.

OLIV TA'LIM MUASSASASINING JISMONIY TARBIIYA DASTURIDA SOG'LOM TURMUSH TARZINI SHAKLLANTIRISH

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Qisqacha mazmuni: Maqolada jismoniy tarbiya fanidan o'quv dasturi doirasida talabalar o'rtasida sog'lom turmush tarzini shakllantirish masalalari va ularni hal qilish yo'llari ko'rib chiqiladi.

Kalit so'zlar: jismoniy rivojlanish, sog'lom turmush tarzi, talabalar, talaba yoshlar.

Abstract: The article deals with the issues and solutions to the formation of healthy lifestyle among students in the framework of the educational program on the discipline of physical culture

Keywords: physical development, healthy lifestyle, students, student youth

TA'LIMDA INNOVATSIYA VOSITALARIDAN FOYDALANISH

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Qisqacha mazmuni: Pandemiya davridagi eng maqbul ta'lim shakli sifatida dunoning ko'plab mamlakatlarida joriy etildi. Biroq, u an'anaviy ta'lim kabi samarali natijalarga erisha olmaganini ko'plab tadqiqotlar asoslamoqda. Shu bois, onlayn mashg'ulotlarni tashkil etishda yaxshi samara berishi mumkin bo'lgan ta'lim strategiyalarini aniqlashga oid izlanishlar olib bordik. Maqolaning empirik asosini talabalar va o'qituvchilar o'rtasida o'tkazilgan so'rovnoma, metodologik asosini mavzuga oid nufuzli jurnallarda nashr qilingan ilmiy maqolalar tashkil etadi. Ta'limni axborotlashtirish jarayoni, shuhbasiz, vatanimiz kelajagini ta'minlovchi o'quvchi yoshlarga ta'lim-tarbiya beruvchi o'qituvchilarning innovatsion ta'lim

texnologiyalaridan kasbiy faoliyati jarayonida foydalanish kompetent-ligiga uzviy bog'liqdir.

Kalit so'zlar: onlayn ta'lim, oliy ta'lim, o'qituvchi, o'quvchi, an'anaviy ta'lim, ta'lim strategiyalari, innovatsiya, integratsiya, novatsiya.

Abstract: It was introduced in many countries of the world as the most acceptable form of education during the pandemic. However, many studies prove that it is not as effective as traditional education. Therefore, we have conducted research to identify learning strategies that can be effective in providing online training. The empirical basis of the article is a survey conducted among students and teachers, and the methodological basis is scientific articles published in authoritative journals on the subject. The process of informatization of education, without a doubt, is integrally dependent on the competence of teachers who provide education for the future of our country, using innovative educational technologies in the course of their professional activities.

Keywords: online education, higher education, teacher, learner, traditional education, educational strategies, innovation, integration, novation.

TALABALARNING KASBIY RIVOJLANISHIDA INNOVATSION FAOLIYATNING O'RNI

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Qisqacha mazmuni: maqolada talabalarni kasbiy rivojlanishida innovatsion faoliyatning o'rni ijtimoiy-psixologik xarakteristikasini o'rganish dasturi asosida ko'rib chiqilgan. Oliy ta'lim tizimida talabalarni innovatsion faoliyatga muvaffaqiyatli yo'naltirishning shartli bosqichlari ajratilgan. Talabalarning innovatsion faoliyatga tayyorlash bo'yicha yondashuvlar tizimli tahlil qilinib, ularning natijalari asosida metodologik yondashuv, nazariy, yondashuv psixologik yondashuv, faoliyatli yondashuvlar ko'rib chiqilgan.

Kalit so'zlar: innovatsion faoliyat, yangi g'oya, ixtiro, bilim, daromad, education, shakllanish, shaxsni shakllantirish, rivojlanish, institutsional bosqich, boshqaruv bosqichi, texnik bosqich, innovatsion kompetentlik

TECHNOLOGIES OF SPIRITUAL USE IN FOLK PEDAGOGY

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Abstract: The moral and moral qualities of the future specialist are professional and professional qualities and are formed in the pedagogical process carried out in higher educational institutions. Bunda proved that with professional training in the direction of Labor Education, effective use of knowledge and skills related to folk pedagogy is important, relevant.

Keywords. Student-youth, folk pedagogy, model of moral-moral education

of Student-Youth,

SOCIO-PSYCHOLOGICAL TECHNOLOGY FOR DIRECTING STUDENTS TO CONTINUOUS INNOVATIVE ACTIVITY

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Abstract: the following article is the brightest evidence of how to navigate the students to innovate inventions without any stoppage. The author tells the integration of science and education with culture by pointing out the process of continuous study.

Keywords: integration, education, innovative, lifelong, study, activity.

ЛИНГВИСТИКА XXI ВЕКА КАК КУЛЬТУРНЫЙ КОД НАЦИИ

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Аннотация: В данной статье исследуется лингвокультурологический потенциал русских парентетических конструкций, их безэквивалентность и основные функции, в частности, в сравнении со сходными структурами в других языках. Доказывается, что функции парентетических конструкций разнообразны и зависят от конкретной ситуации использования, которая обуславливает и контекстное окружение данной синтаксемы, и модальную установку, и стилистические характеристики текста. Единой классификации парентез по функции не существует. Тем не менее, в результате лингвокультурологического анализа раскрываются новые функциональные возможности парентетических конструкций: от стиле- и текстообразующих до метакоммуникативных.

Ключевые слова: парентетические конструкции, лингвокультурологический потенциал, классификация парентез, лингвистика, методология, методологические позиции, функция, текстообразование, аргументация, феномен.

Abstract: This article explores the linguoculturological potential of Russian parental constructions, their non-equivalence and main functions, in particular, in comparison with similar structures in other languages. It is proved that the functions of parenthetical constructions are diverse and depend on the specific situation of use, which determines the contextual environment of the given syntaxeme, the modal setting, and the stylistic characteristics of the text. There is no single classification of parentheses according to function. Nevertheless, as a result of linguoculturological analysis, new functionality of parental constructions is revealed: from style and text-forming to metacommunicative.

Keywords: parentetic constructions, linguoculturological potential, parenthesis classification, linguistics, methodology, methodological positions, function, text formation, argumentation, phenomenon.

MAKTABGACHA TA'LIM TARBIYALANUVCHILARINI SHAXMATGA QIZIQTIRISH USULLARI

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Abstract: This article discusses such things as studying the game of chess in the preschool period, in the family and the impact of this on logical thinking, on the distribution of one's own time, on facilitating the study of all subjects, increasing intellectual potential, improving skills such as concentration, perception, thinking, memory through the game of chess.

Keywords: preschool education, family, playing chess, perception, thinking, memory, logic, attention, abilities, character, health, mental and physical training.

THE ROLE OF INTELLECT AND ABILITIES IN THE RESEARCH WORK OF STUDENTS

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Abstract: This article was a declaration of political science-researcher. In their research activities, students studied the analogy with the general intellect, the separation of concepts according to important features, the correlation between visual thinking. The results of students in the areas of study were analyzed, which proved to reflect the same level in solving tasks related to complex analogies.

Keywords: creativity, intellect, general intelligence, visual intelligence, practical intelligence, analogy.

Qisqacha mazmuni: Ushbu maqola siyosatshunos tadqiqotchining deklaratsiyasi edi. Talabalar ilmiy-tadqiqot faoliyatida umumiy intellekt bilan o'xshashlikni, tushunchalarni muhim belgilariga ko'ra ajratishni, vizual tafakkur o'rtasidagi bog'liqlikni o'rgandilar. Talabalarning ta'lim yo'nalishlari bo'yicha natijalari tahlil qilindi, bu murakkab analogiyalar bilan bog'liq vazifalarni hal qilishda bir xil darajada namoyon bo'ldi.

Kalit so'zlar: ijodkorlik, intellekt, umumiy intellekt, vizual intellekt, amaliy intellekt, analogiya.

MILLIY MUSIQA SAN'ATIMIZNI YOSH AVLODGA ETKAZISH.

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Qisqacha mazmuni: Musiqa inson hayotida alohida o'rin tutadi. Musiqa san'ati – nafosat tarbiyasining muhim omili bo'lib, yosh avlodni kamolotga etishi uchun ta'sir etuvchi jarayon. Bu jarayon maktabdan boshlab shakllanadi va yosh avlodning ichki dunyosini boyitib, butun hayoti mobaynida unga xamrox bo'lib boradi.

Kalit so'zlar: milliy cholg'u sozlarimiz, bastakor, hofiz, musiqa madaniyati fani, darslik, xor, xonanda, san'at, ritmik harakatlar.

Abstract: Music has a special place in human life. The art of music is an important factor in the education of sophistication, a process that influences the maturation of the young generation. This process is formed from school and enriches the inner world of the young generation and accompanies it throughout its life.

Keywords: our national musicians, composer, hafiz, science of music culture, textbook, cor, singer, art, rhythmic movements.

QO'ZG'ALUVCHAN PAXTA TASHISH QURILMASINING UZATMALARINI TAXLILI

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Qisqacha mazmuni: Maqolada paxta tozalash korxonalarida xududida joylashgan g'aramlardan paxtani uzoq masofaga tashishni amalga oshirish uchun so'ruvchi va pufdovchi havo oqimlaridan foydalangan holda tashish imkoniyatini beruvchi paxtani tashish va qisman tozalash agregati tasnifi berilgan. Bundan tashqari ushbu yangi agregatning ishlash prinsipi, uni harakatga keltiruvchi uzatmalarning aylanish tezliklari va ularning o'zgarishini paxta sifatiga ta'siri taxlil qilingan.

Kalit so'zlar: Qo'zg'aluvchan qurilma, pnevmatik uskuna, paxta separatori, paxta sifati, aylanish chastotasi, eksstresitet, qayishqoq element, tasma.

Abstract: In the article, the classification of the cotton transportation and partial cleaning unit is given, which makes it possible to transport cotton from the gins located on the territory of cotton ginning enterprises, using suction and blowing air currents to carry out long-distance transportation. In addition, the principle of operation of this new aggregate, the rotation speeds of the transmissions that move it, and the effect of their changes on the quality of cotton were analyzed.

Keywords: Driven device, pneumatic equipment, cotton separator, cotton quality, rotation frequency, eccentricity, belt element, belt.

YOSHLARDA IJTIMOİY FAOLLIK VA INTELLEKT DINAMİKASI: MUAMMO VA ECHIMLAR

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Qisqacha mazmuni: Maqolada talaba kasbiy shakllanishi jarayonida ijtimoiy faollik va intellekt rivojlanish dinamikasining ijtimoiy-psixologik xususiyatlari o'rganilib, psixologik-pedagogik yordam beradigan, kasbiy shakllanishda yuzaga keladigan muammolarni bartaraf etuvchi va tizimlashtirilgan tadbirlar xarakteridagi modul ishlab chiqilganligi taxlil etilib, davlat va jamiyat taraqqiyoti uchun zarur bo'lgan, davr talabiga mos, raqobatbardosh, ijtimoiy faol va yuqori intellektual salohiyatli mutaxassis kadrlar tayyorlash zarurligi asoslab berilgan.

Kalit so'zlar: kasbiy shakllanish, ijtimoiy faollik, intellekt, aqliy qobiliyatlar, ijtimoiy va emotsional intellekt, empatik qobiliyatlar, intellekt dinamikasi, interfaol metodlar, ijtimoiy faollik.

Аннотация. В статье изложены социально-психологические особенности динамики развития интеллекта и социальной активности в процессе профессионального формирования студента, разработан модуль, который оказывает психолого-педагогическую помощь, устраняет проблемы в профессиональном формировании, имеет систематизированный характер мероприятий.

Ключевые слова: социальная активность, интеллект, умственная способность, социальный и эмоциональный интеллект, способность к эмпатии, психодиагностика, динамика интеллекта.

ADVANTAGES OF PREPARING PRIMARY CLASS STUDENTS FOR THE REQUIREMENTS OF THE INTERNATIONAL ASSESSMENT PROGRAM

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Abstract: This article talks about PIRLS international assessment program, research method, object of PIRLS program and results assessment procedure. In order for the students of our country to take an active part in the PIRLS international assessment program next time (2026) and achieve satisfactory results, there are opinions about what needs to be paid attention to in the preparation process.

Keywords: PIRLS, education, object, creative thinking, conscious reading, discovery.

INDIVIDUAL VA TABAQALASHTIRILGAN YONDASHUV ASOSIDA BO'LAJAK TASVIRIY SAN'AT O'QITUVCHILARINI KASBIY-METODIK TAYYORGARLIGINI TAKOMILLASHTIRISH TIZIMI

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Qisqacha mazmuni: Maqolada individual, tabaqalashtirilgan yondashuvning bo'lajak tasviriy san'at o'qituvchilarini kasbiy-metodik tayyorgarligidagi tutgan o'rni va ilmiy ahamiyati ko'rsatilgan. Kasbiy-metodik tayyorgarlik strukturasi va ta'lim jarayonida tabaqalashtirilgan ta'lim, individual yondashuvdan foydalanish zaruriyati ilmiy asoslangan.

Kalit so'zlar: Kasbiy-metodik, tabaqalashtirish, individual, mutaxassislik, o'qituvchi, metodika, talaba, tasviriy san'at.

ПОЭТИКА ЦВЕТА КАК СРЕДСТВО ОТРАЖЕНИЯ ВНУТРЕННЕГО МИРА ЛИРИЧЕСКОГО ГЕРОЯ В ПОЭТИЧЕСКОМ ТЕКСТЕ С.А. ЕСЕНИНА И ГУ ЧЭНА

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Аннотация: В данной статье рассматривается функционал колоронимов как особого средства создания и отражения внутреннего мира лирического героя в поэтическом творчестве С.А. Есенина и Гу Чэна в разных периодах. При этом помимо отражения внутреннего мира персонажа в статье анализируется и восприятие окружающей действительности самим лирическим героем также за счет употребления в поэтическом тексте цветообозначений.

Ключевые слова: цвет, цветообозначение, колороним, поэтический текст, лирический герой, метафора, символ, изобразительно-выразительные средства.

Abstract: This article discusses the functionality of coloronyms as a special means of creating and reflecting the inner world of a lyrical hero in the poetic work of S.A. Esenin and Gu Chen in different periods. At the same time, in addition to reflecting the inner world of the character, the article also analyzes the perception of the surrounding reality by the lyrical hero himself also through the use of color terms in the poetic text.

Keywords: color, color naming, coloronim, poetic text, lyrical hero, metaphor, symbol, expressive means and figures of speech.

ТРЕБОВАНИЯ И ПРОБЛЕМЫ ЦИФРОВАНИЯ В ОБРАЗОВАНИИ И ПОДГОТОВКЕ КАДРОВ

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Аннотация: Статья рассматривает требования и проблемы цифрования в образовании и подготовке кадров. Автор анализирует существующие подходы к цифровому образованию и выделяют основные проблемы, связанные с его внедрением. Особое внимание уделяется необходимости развития компетенций, необходимых для работы в цифровой среде, и методам их развития.

Ключевые слова: цифровизация, доступность технологий, цифровые технологии, программное обеспечение, интеграция технологий, эффективная и интерактивная учебная среда.

MAHMUD KOSHG'ARIYNING "DEVONU LUG'OTIT TURK" ASARIDA SO'ZLARNI KO'CHMA MA'NODA QO'LLASH

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Qisqacha mazmuni: Ushbu maqolada "Devon"da berilgan ko'p ma'noli so'zlarni tahlil qilish, ulardagi ma'no ko'chishning sabablarini o'rganish hamda xalq tili bilan, o'zbek tilining izohli lug'ati bilan solishtirib qiyoslash, o'zbek tilining boy imkoniyatlarini aniqlash maqsad qilib olindi.

Kalit so'zlar: polisemiya, metafora, metonimiya, sinekdoxa, polisemantik, hosila ma'no, ko'chma ma'no, dialektologiya.

Abstract: This article provides information about the place of words in Uzbek language and their polysemantic meanings and types of use, as well as the development of the lexical meaning of the most common words in Uzbek discourse.

Keywords: lexicology, lexical meaning, derived meaning, polysemy, transfer of meaning, speech, linguistics.

TIBBIYOT SOHASIDA MUTAXASSISLARNI TAYYORLASHDA INNOVATSION YONDASHUVLAR

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Qisqacha mazmuni: Respublikamizda 2023 yilga - «Insonga e'tibor va sifatli ta'lim yili» deb nom berilishi, ta'lim tizimida olib borilayotgan islohotlarning izchil davom etayotganidan darak beradi. Oliy ta'lim tizimida yuqori sifat va samaradorlikka erishish eng avvalo ta'lim jarayonining qanday tashkil etilganligi,

o'quv-uslubiy ishlarning zamonaviy talablarga qay darajada javob bera olishi bilan baholanadi. Darhakikat, ta'lim tizimini doimo isloh etish, o'qitish usul va vositalarini takomillashtirish, ta'lim mazmunini boyitish bugungi kunning muhim talabidir.

JISMONIY TARBIYA VA SPORTNING TA'LIM - TARBIYA TIZIMIDAGI AHAMIYATI

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Qisqacha mazmuni: Maqolada jamiyatda jismoniy tarbiya va sportning sotsial institut sifatidagi o'rni haqida ilmiy xulosalar bayon qilingan bo'lib, shaxs ijtimoiylashuvida asosiy vositalardan biri bo'lib shakllanganligi va undan samarali foydalanish bugungi taraqqiyot talablaridan biri ekanligi ilmiy asoslangan.

Kalit so'zlar: jismoniy tarbiya, ommaviy sport, sog'lom turmush tarzi, ta'lim, yoshlar

IQTIDORLI TALABALAR – ETUK MUTAXASSIS SHAKLLANISHINING ASOSIY POYDEVORI!

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Qisqacha mazmuni: Ta'lim muassasalarida faoliyat ko'rsatayotgan o'qituvchilar o'qitish shakllarini optimal darajada tashkil etishni, barkamol shaxsnishakllantirish nazariyasini turli yangi g'oyalar bilan boyitishni puxtabilishi lozim. Zero, «Kadrlar tayyorlash milliy dasturi» g'oyalarini amaliyotga tatbiq etish, mamlakatimiz ta'lim tizimida olib borilayotgan islohotlar muvaffaqiyatini ta'minlash, ta'lim muassasalarida faoliyat olib borayotgan o'qituvchi va tarbiyachilarning ma'naviy qiyofasi hamda kasbiy mahoratlariga ko'p jihatdan bog'liq.

TIBBIYOT FAKULTETI TALABALARI UCHUN INNOVATSION TEXNOLOGIK O'QITISH USULLARINING SAMARASI

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Qisqacha mazmuni: mazkur maqolada tibbiyot oliy o'quv yurtlari ma'ruza va amaliy mashg'ulot darslarini o'tishda innovatsion pedagogik texnologiyalardan foydalanib dars o'tishning samaradorligi haqida so'z yuritilgan.

Kalit so'zlar: innovatsiya, innovatsion faoliyat, innovatsion jarayonlar, raqamli iqtisodiyot, kasbiy innovatsion faoliyat.

КОММУНИКАТИВНАЯ КОМПЕТЕНТНОСТЬ КАК МЕТОДИЧЕСКОЕ ПОНЯТИЕ

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Аннотация: Данная статья посвящена актуальной проблеме формирования коммуникативной компетенции как методическое понятие. Компетентностный подход – один из современных ориентиров, направлений развития содержания образования. Приобретение жизненно важных компетентностей дает человеку возможность ориентироваться в современном обществе, формирует способность личности быстро реагировать на запросы времени.

Ключевые слова: модернизация, компетентность, компетенция, предмет, метод, технология, инновация, анализ, синтез, обобщение, эмпатия, социум, опыт, самооценка, диалогичность, эффективность, коммуникация.

Abstract: This article is devoted to the actual problem of the formation of communicative competence as a methodological concept. To teach the Russian language means to form grammatical and communicative competences. The competence-based approach is one of the modern landmarks, directions for the development of the content of education. The acquisition of vital competencies gives a person the opportunity to navigate in modern society, forms the ability of a person to quickly respond to the demands of the time.

Keywords: modernization, competence, competence, subject, method, technology, innovation, analysis, synthesis, generalization, empathy, society, experience, self-assessment, dialogue, efficiency, communication.

THE ROLE OF INTELLECT AND ABILITIES IN THE RESEARCH WORK OF STUDENTS

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Abstract: This article was a declaration of political science-researcher. In their research activities, students studied the analogy with the general intellect, the separation of concepts according to important features, the correlation between visual thinking. The results of students in the areas of study were analyzed, which proved to reflect the same level in solving tasks related to complex analogies.

Keywords: creativity, intellect, general intelligence, visual intelligence, practical intelligence, analogy.

GLOBALASHUV DAVRIDA YOSHLARNI INTEGRATIV EKOLOGIK MADANIYATINI SHAKLLATIRISH YO'LLARI.

Muxliboyev Maxmut, *GulDu dotsenti*,

O'tasheva Zuxra, *GulDu talabasi*

Annatatsiya

Qisqacha mazmuni: Ushbu maqolada o'quvchi - yoshlar ongida ekologik ta'lim, tarbiyani xamda ularni tabiat va atrof muhitga nisbatan hurmat, ehtiyotkorona munosabat va unga mas'uliyat bilan qarash hissini tarbiyalashni shakllantirish bo'yicha masalalar echish chora tadbirlari o'z aksini topgan.

Kalit so'zlar; ekologik inqiroz, tadrijiy, ekologik bilimsizlik, ekotizm biotsenoz, ekotizm-agrobiotsenoz, agrotexnik, to'qaylar, meliorativ, chiqitli, chiqitsiz, ikkilamchi, xomashyo, kapillyar hodisalar, xlorid kislota, yer rel'yefi.

Abstract: In this article, the problem-solving measures for the formation of ecological education, upbringing, and the formation of a sense of respect for nature and the environment, a careful attitude and a sense of responsibility for it.

Keywords: ecological crisis, gradual, ecological ignorance, ecotism biocenosis, ecotism-agrobiocenosis, agrotechnics, forests, reclamation, waste, non-waste, secondary, raw materials, capillary phenomena, hydrochloric acid, land relief.

FUQARO MUHOFAZASI TARG'IBOTINI TASHKIL ETISHGA INNOVASION YONDOSHUVLAR

B.Sodikov, *Sirdaryo viloyati FVB xodimi*

Qisqacha mazmuni: maqolada fuqaro muhofazasini targ'ib qilishni tashkil etish shakllari, usullari va vositalariga, shu jumladan favqulodda vaziyatlardan himoya qilish targ'ibotiga alohida e'tibor qaratilgan. Bu aholini o'qitish va fuqarolik mudofaasi bo'yicha ilg'or tajribalarni targ'ib qilish, uning tarixi va an'alarini muntazam ravishda targ'ib qilish muhimligini ta'kidlaydi. Maqolada, shuningdek, targ'ibotning turli shakllari, jumladan, og'zaki targ'ibot, ommaviy axborot vositalari, filmlar va videolar va ko'rgazmali qurollar muhokama qilinadi. Ishlab chiqarish jarayonlarini boshqarish uchun texnologiya va ishlab chiqarish texnologiyasidan foydalanish ham muhokama qilinadi. Va nihoyat, maqolada fuqarolik mudofaasining rolini to'g'ri tushunish muhimligi va favqulodda vaziyatlar natijasida etkazilgan zararni minimallashtirishga tayyor bo'lish zarurligi ta'kidlangan.

Kalit so'zlar: targ'ibot, fuqaro muhofazasi, favqulodda vaziyatlar, targ'ibot, og'zaki targ'ibot, ommaviy axborot vositalari, filmlar, videolar, ko'rgazmali qurollar.

Abstract: The article focuses on the forms, methods, and means of organizing the promotion of civil protection, including propaganda for protection against emergencies. It highlights the importance of educating the population and promoting advanced experiences in civil defense while systematically promoting its history and traditions. The article also discusses the different forms of promotion, including oral propaganda, media, movies and videos, and visual aids. The use of technology and production technology to control production processes is also discussed. Finally,

the article stresses the importance of the correct understanding of the role of civil defense and the need to be prepared to minimize the damage caused by emergencies.

Keywords: promotion, civil protection, emergencies, propaganda, oral propaganda, media, movies, videos, visual aids.

ЛИНГВОКУЛЬТУРОЛОГИЧЕСКОЕ ОПИСАНИЕ КОНЦЕПТА «СИНИЙ» В РУССКОМ ЯЗЫКЕ

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Аннотация: Исследование посвящено рассмотрению проблемы концептуализации цвета «синий» в русском языке. Цель исследования заключается в выявлении цветовой семантики цвета «синий» в русском языке.

Определяется понятие концепта, его структура, компоненты. Анализируется человеческий опыт, в том числе и цветовой. Дается психологическая характеристика цвета. Рассматривается языковая картина мира. Методология исследования построена на основе анализа научной литературы, словарных лексических единиц, художественной литературы. Сделан вывод о том, какая концепция подразумевается под выбором той или иной лексической единицы, содержащей цветоименование, когда цвет играет решающую роль в восприятии жизненной ситуации, подразумеваемой экспликации, выборе одежды, а также традиции и привычки, стереотипы мышления, связанные с этим цветом в мировосприятии русскоязычных носителей.

Ключевые слова: концептуализация, концепт, цвет, языковая картина мира, цветовая картина мира, психологическая характеристика цвета.

ВАРИАНТЫ ОРФОЭПИЧЕСКИХ НОРМ В СОВРЕМЕННОМ РУССКОМ ЯЗЫКЕ

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Аннотация: Вариантность является фундаментальным свойством языковой системы и функционирования всех единиц языка. В решении вопросов орфоэпической вариантности и нормативности существуют некоторые разногласия. В данной статье рассмотрены вопросы, связанные с проблемой вариантности произносительных норм.

Ключевые слова: вариантность, орфоэпические нормы, произношение, кодификация, варьирование, ударение, согласные, гласные, языковые единицы, заимствованная лексика, орфоэпические словари.

Abstract: The alternativeness is fundamental property of language system and functioning of all units of language. In the decision of questions of norms of a

pronunciation of alternativeness there are some disagreements. In given article the questions connected with a problem of alternativeness of norms of a pronunciation are considered.

Keywords: variability, orthoepic norms, pronunciation, codification, variation, consonants, vowels, accent, language units, borrowed vocabulary, orthoepic dictionaries.

TA'LIM JARAYONIDA MILLIY QADRIYATLARDAN FOYDALANISHNING O'ZIGA XOS XUSUSIYATLARI

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Qisqacha mazmuni: Yosh avlodni komillikka yetaklovchi eng katta kuch—bu kitob va hayotiy saboqlardir. Yoshlarni milliy qadriyatlar ruhida tarbiyalash kelajakni, millatni va milliyligimizni boqiy ozod holda ko'rishimiz mumkin. Vatanga sadoqat, do'stlikka ishonch, oilaga mehr—muhabbat, kattalarga hurmatda kichiklarga izzatda bo'lish tuyg'usini shakllantirish milliy qadriyatlarimizni asl ko'rinishidir. Insonga faqat dunyoda yuz berayotgan voqelik haqida, odob - axloq qoidalari, mehr va sadoqat tushunchalari haqida bilim berishning o'zi uning ma'naviyaxloqiy tarbiyasi uchun yetarli bo'lib qolmaydi.

TA'LIMNI RAQAMLASHTIRISH SHAROITIDA TALABALAR KASBIY KOMPETENSIYALARINI SHAKLLANTIRISH

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Qisqacha mazmuni: Yurtimizda faol, intiluvchan, iqtidorli va yuksak ma'naviy-axloqiy fazilatlariga ega, zamonaviy bilim hamda kasblarni chuqur egallagan - bugungi va ertangi kunimizning hal qiluvchi kuchi bo'lgan yoshlarni voyaga yetkazish uchun barcha shart-sharoit va imkoniyatlar yaratilgan. Mustaqillik yillari tom ma'noda O'zbekiston Respublikasi ijtimoiy- iqtisodiy va madaniy taraqqiyoti istiqbolini belgilash, jahon hamjamiyati mamlakatlari safidan munosib o'rin egallashga intilish yo'lidagi keng ko'lamlı islohotlarnı amalga oshirish bilan kechmoqda. Jahonning rivojlangan mamlakatlari tajribalarini o'rganish, mahalliy shart-sharoit, iqtisodiy va intellektual resurslarni inobatga olgan holda jamiyat hayotining barcha sohalarida tub islohotlarning amalga oshirilayotganligi yangidan - yangi yutuqlarga erishishni ta'minlamoqda.

INNOVATSION TEXNOLOGIYALAR ASOSIDA TALABALAR MUSTAQIL TA'LIMINI TASHKIL ETISH

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Abstract: The article contains recommendations on the organization of independent education of students based on innovative technologies. Also, media educational resources belonging to the class of innovative technologies and their use in independent education are presented.

Keywords: innovative technology, media education, media resource, independent education, information and communication technologies.

ВОСТОЧНЫЕ МОТИВЫ В ТВОРЧЕСТВЕ В.И.ДАЛЯ. М.БАЙЭШАНОВ

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Аннотация: В статье речь идёт о творчестве одного из талантливых русских художников слова, который жил в первой половине 19-го столетия и внёс большой вклад в изучение жизни, быта, фольклора, истории восточных людей населявших Оренбургский край. Следует заметить, что произведения В.И.Даля написанные на восточные темы не получили свою Соответствующую оценку. Мы в данной статье не претендуя на полное раскрытие данной темы постараемся восполнить отдельные пробелы в изучении данной темы

Abstract: The article is about the work of one of the talented Russian artists of the word, who lived in the first half of the 19th century and made a great contribution to the study of life, everyday life, folklore, history of the Eastern people who inhabited the Orenburg Region. It should be noted that the works of V. And Dahl written on oriental themes did not receive their corresponding assessment. In this article, without pretending to fully disclose this topic, we will try to fill in some gaps in the study of this topic.

KADRLAR TAYYORLASHDA RAQAMLI TEXNOLOGIYALAR IMKONIYATLARIDAN FOYDALANISH

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Toshtemirov Doniyor Eshbaevich, p.f.n., dotsent

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Abstract: The article describes the role of digital technologies in the educational process, the use of digital technologies and the system of distance learning in the organization of education, the structure, content and creation of

digital technologies and Internet resources.

Keywords: digital technology, independent education, modern information technologies, distance education, educational portal, electronic teaching-methodical tools.

BOSHLANG'ICH SINIF MATEMATIKA DARSLARIDA TENGSIZLIK MAVUZSINI O'QITISHDA SHAXMAT O'YINIDAN FOYDALANISH

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Abstract: the introduction of the game of chess into the system of mathematical education in our article on the basis of a system-genetic approach is a comprehensive study of the problem of evaluating effectiveness. Information is given about the interaction of mathematics lessons with the game of chess. Develops mathematical and other abilities and, finally, develops aesthetic taste, etc. These chess playing skills are used to educate the child on our part, and most importantly, they can also contribute to the formation of other games. We have expressed the relative strengths of the Sepoys in the chess game in mathematical form. The relative strength of barn owls in a chess game can be used in math lessons using a visual method.

Keywords: chess, mathematics, chess-science, chess-art, chess, mathematics scientists, thinking, independent, playing chess factor of philosophical thinking, chess classes, combining chess and mathematical activities, integrated learning technology.

ESTABLISHING A CONTINUOUS SYSTEM OF IDENTIFYING TALENTED STUDENTS AND TRAINING HIGHLY QUALIFIED PERSONNEL

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Abstract: In this article, the issues of identification, selection and implementation of the system of work to be carried out for the training of qualified personnel of senior students in higher educational institutions are covered.

Keywords: management, creative, skilled, personnel, system, science, innovation, integration, composition, communicative, function, Business, Management.

SOCIO-PSYCHOLOGICAL CRITERIA OF CHOOSING A PROFESSION IN THE EDUCATIONAL PROCESS

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Abstract: this article deals with the early identification of professional motivation in the development of educational reforms and, at the same time, the study of specific age, territorial and social psychological characteristics in the formation of professional motivation.

Keywords: motivation, psychological, reform, profession, education

BO'LAJAK O'QITUVCHILARNI KASBIY TARBIYAVIY FAOLIYATGA TAYYORLASH

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Abstract: The article enlightens the analyze of the system of improving spiritual-moral features, transformation of cognitive and sensual-social, also dialectical unit of individualization of person's introrization with general human values. Spiritual-moral education, which was developed in our country and enriched with ancient values of our ancestors, leads to improvement of pedagogical process. In the process of the research, there was obtained organization of the process of formation of spiritual-moral features while training future teachers to spiritual-historical values, spiritual-moral bases, professional-educative activities.

Keywords: teacher, master-student, spiritual-moral education, axiology, value, students, valuable consciousness, valuable relation, valuable behavior, valuable set, valuable direction.

BO'LAJAK PEDAGOGIK MUTAXASSISLAR KASB TARBIYASIDA QOBILIYATLARNING O'RNI

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Abstract: The article presents the role of the abilities of teachers of vocational education. Psychological scientists suggest that abilities are formed when they act on the basis of knowledge, skills and qualifications.

Keywords: Knowledge, skills, competence, abilities, pedagogical ability.

TALABALARDA ESTETIK MA'NAVIYATNI SHAKLLANTIRIDA O'QITUVCHINING NOTIQLIK MAHORATI

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Abstract: In the formation of aesthetic spirituality in students, the teacher discusses the culture of speech, literary language norms as a field of linguistics, speech, communicative qualities of speech, speech styles, shortcomings and mistakes that can be encountered in speech, and problems related to speech pronunciation. The teacher's speaking skills focus more on the content, rationale and structure of the speech. At the same time, it teaches ways to make a correct and effective speech based on the theoretical knowledge obtained from such subjects as "Teacher's speech culture", "Teacher's aesthetic culture", "Linguistics", "Philosophy", "Logic".

Keywords: teacher, listener, aesthetic spirituality, aesthetic culture, speech culture, public speaking, art, public speaking skills, ability, creativity.

FORMATION OF STRATEGIC COMPETENCE BASED ON COLLABORATIVE LEARNING

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Abstract: With the increase of mutual cultural ties and social ties, society has the communicative qualities of man, the ability to move the flow of information, namely: to acquire knowledge, to fill in the missing knowledge; the desire to solve certain communicative tasks and to be self-activating in communicative activities, etc., is felt to be more and more perfect.

Keywords: communicative competence; strategic competence; communication strategies; general skills of strategic competence.

THE SIGNIFICANCE OF RESEARCH POWERS OF TALENTED STUDENTS IN HIGHER EDUCATIONAL INSTITUTIONS

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Abstract: Identification of talented students in our republic and development of social and pedagogical technologies of their trainings. The regulatory framework for ensuring State and non-state cooperation in the field of education and the development of talented students has been created. The Presidential schools were created with the aim of deepening the disciplines, improving the effectiveness of teaching and developing high school students. Their material and technical base was provided.

Keywords: innovative approach, research competence, educational environment, talented students, social and pedagogical technologies, science, intellectually developed generation

MAKTABGACHA TALIMDA SIFATLI TA'LIM SAMARADORLIGINI

OSHIRISHDA MADANIY, TARIXIY, MILLIY QADRIYATLARDAN FOYDALANISH

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Abstract. In this article, it is considered that spiritual education is a legal and objective process of socio-historical and national values, which is an important basis for raising children of preschool age as mature individuals in all respects.

Keywords: education, national value, culture, spirituality, preschool education, historical values.

BOSHLANG'ICH SINFLARDA TA'LIM SAMARADORLIGINI OSHIRISHDA XALQARO BAHOLASH DASTURI TALABLARIDAN FOYDALANISH

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Abstract: In this article, an excellent and competitive education system to international standards determines the future intellectual opportunities and development of our country. The purpose of the PIRLS assessment program is to compare reading comprehension among fourth graders from around the world, as well as to identify differences in reading literacy across national education systems.

Keywords: ta'lim tizimi, baholash, dastur, talablar, PIRLS, innovatsion texnologiyalar, mezon.

TALABALARDA EKOLOGIK MADANIYATNI SHAKLLANTIRIDA O'QITUVCHINING ESTETIK MAHORATI

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Abstract: In the formation of environmental culture in students, the teacher's aesthetic culture, aesthetic consciousness, speech culture, literary language standards as a field of linguistics, aesthetic communicative qualities of speech, problems of aesthetic speech pronunciation are discussed. The aesthetic skill of the teacher focuses more on the essence of the content, logic and structure of the speech. At the same time, it builds ecological culture in students based on theoretical knowledge obtained from such subjects as "Ecology", "Teacher's speech culture", "Teacher's aesthetic culture", "Linguistics", "Philosophy", "Logic".

Keywords: teacher, student, environmental culture, environment, aesthetic spirituality, aesthetic culture, speech culture, oratory, art, oratory skill, ability,

creativity.

MALAKA OSHIRISH TIZIMI O'QUV JARAYONIDA INTERFAOL TA'LIM METODLARI

Qarshiboeva Matlyuba Erxanovna

Respublika o'rta tibbiyot va farmatsevtika xodimlari malakasini oshirish va ularni ixtisoslashtirish markazi Guliston filiali direktor

Berdaliyeva Umida Abduljalil qizi

o'qituvchi, Guliston Davlat Universiteti

Qisqacha mazmuni: Tibbiyot fani rivojlanishi bilan birga hamshirani ham roli ortib bormoqda. Hozirgi kunda hamshiraga ko'p qirrali murakkab tibbiy muolajalarni bajarish mas'uliyatni yuklatilgan.

O'rta tibbiyot xodimi ijodiy faoliyat yurituvchi xodim bo'libgina qolmay, balki u ijtimoiy muhitdan kelib chiqqan holda o'z kasbiy mahoratini aniq bilim ko'nikmalariga tayangan holda bajara olishi kerak.

Kalit so'zlar: innovatsiya, interfaol metodlar, malaka, tibbiyot, tizim, o'rta tibbiyot

THE RELATIONSHIP OF FAMILY LIFE BE INTERPRETED BY THINKERS OF THE EAST

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Abstract: The term family in the form of the human qualities, good-wishes, values and values of the people of uzbekistan on the spiritual heritage, of thinkers, given the coverage of scientific and cultural heritage in eastern and family education

Keywords: Family, history, respect, hard-working, human, people, sure

G'AFUR G'ULOM VA ABDULLA QAHHOR ASARLARIDA TARIXIY SO'ZLARNING LEKSIK VA MA'NO XUSUSIYATLARI, ULARNI RAQAMLASHTIRISH MASALALARI

Ma'rufjon Qambarov Abduhakimovich-

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Qisqacha mazmuni: XX asrning 30-yillari nasriy asarlarida faqat lug'aviy birliklar sathida ishlatilgan, o'tmishda bo'lib o'tgan voqelikni ifodalash maqsadida hozirda ham qo'llab kelinayotgan lug'aviy birliklardan, ya'ni tarixiy so'zlardan ham o'rni bilan foydalanilgan. Har bir yozuvchi asar mavzusining aniq tasviri taqozosi bilan tarixiy so'zlarning bu ikkala turidan turli darajada foydalangan. mustaqilligimizdan keyin biz yuqorida ta'kidlab o'tgan juda ko'p tarixiy so'zlar yana asta-sekin iste'molga kirdi va kirmoqda. Jamiyat o'zgarishi bilan til leksikasida, miqdor jihatdan ham, ma'no jihatdan ham, albatta, yangilanish bo'ladi. Asarlarda

tarixiy soʻzlarning oʻlchov birliklari hamda boshqa xil tushunchalarni ifodalovchi mavzuiy guruhlar ham qoʻllangan boʻlib, ular avvalgisidan miqdorining kamligi bilan farqlanib turadi.

Kalit soʻzlar: korpus, korpus lingvistikasi, lugʻaviy birliklar, leksik-semantik guruhlar, mavzuiy guruhlar, raqamlashtirish, semantik maydon, tarixiy soʻzlar, neologizmlar, oʻlchov birliklari

МЕЖПРЕДМЕТНЫЕ СВЯЗИ ПРИ ОБУЧЕНИИ ИНОСТРАННЫМ ЯЗЫКАМ В МАГИСТРАТУРЕ НЕЯЗЫКОВОГО ВУЗА

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Аннотация: Работа посвящена анализу межпредметных связей; сделаны выводы по поводу целесообразности использования межпредметных связей в преподавании иностранного языка в бакалавриате неязыкового высшего учебного заведения. В статье доказано, что всестороннее внедрение междисциплинарных отношений и других аспектов обучения иностранному языку в высшем учебном заведении повышает конкурентоспособность и мобильность будущих специалистов.

Ключевые слова: межпредметные связи, преподавание иностранного языка в магистратуре высшего учебного заведения, государственные стандарты, компетенции учащихся.

Abstract: The paper analyzes the interdisciplinary relationship, concludes the appropriateness of the use of interdisciplinary relations in teaching a foreign language at the bachelor of higher educational institutions. Interdisciplinary relationship and other aspects of foreign language training are meaningful, informative and factual. That is their in-depth coverage on the level of facts, events that promotes generalization and systematization of knowledge, enhances the competitiveness and mobility of the future specialists.

Keywords: interdisciplinary communication, teaching a foreign language at the magistracy, Government Standards, the competence of students.

BOSHLANGʻICH SINIF MATEMATIKA DARSLARINI TASHKIL QILISHNING ZAMONAVIY PRINSPLARI

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Hamidova Muhayyo Xojiakbar qizi, *GulDU talabasi*

Qisqacha mazmuni: Ushbu maqolada boshlangʻich sinif matematika darslarini tashkil qilishga qoʻyiladigan zamonaviy pedagogik talablar va tamoyillar nazariy jihatdan asoslab berilgan.

Kalit soʻzlar: Pedagogika, pedagogik talab, tamoyil, metod, usul, uslub, metodika.

СОВЕРШЕНСТВОВАНИЕ СЕПАРАТОРА-ОЧИСТИТЕЛЯ

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Abstract: The article presents a classification of a new separator-cleaner, the principle and efficiency of work, an analysis of the transmission mechanisms that set it in motion. In the new device, along with the separator, a drum with piles and a mesh surface with a vacuum valve is placed symmetrically in a vertical plane, allowing it to be cleaned of impurities, and its effectiveness is substantiated.

Keywords. Cleaner, separator, pneumatic transport, tape, vacuum valve, inclined gate, mesh surface, frequency, angular velocity.

Аннотация: В статье представлена классификация нового сепаратора-очистителя, принцип и эффективность работы, анализ передаточных механизмов, приводящих его в движение. В новом устройстве, наряду с сепаратором, размещены симметрично в вертикальной плоскости барабан со сваями и сетчатой поверхностью с вакуумным клапаном, позволяющим очищать его от примесей, и обоснована его эффективность.

Ключевые слова: Очиститель, сепаратор, пневмотранспорт, лента, вакуумн-клапан, наклонный шибер, сетчатая поверхность, частота, угловая скорость.

O'ZBEKISTONDA AN'ANAVIY XONANDALIK SAN'ATI.

Zamira Unarovna KUYCHIEVA

Guliston davlat universiteti, "Musiqiy ta'lim" kafedrasida o'qituvchisi

Xomidov Zokir Djo'rakulovich.

Guliston davlat universiteti, "Musiqiy ta'lim" kafedrasida katta o'qituvchisi

Qisqacha mazmuni: Ushbu maqola qadimdan inson hayotida ahamiyatli bo'lmish ustozlik va ustoz an'analarini davom ettiruvchi shogirdlik haqida bo'lib. Bugungi kunda "Ustoz–shogird" an'analarining insonlar hayotida nechog'lik muhim ahamiyatga ega ekanligi haqida so'z boradi. Maqolada keltirilgan fikrlar ko'p yillik ustozlik tajribasi asosida yozildi va boshqa ustozlar fikrlari, ilmiy maqolalaridan foydalanildi.

Kalit so'zlar: Ustoz-shogird, tarbiya, an'ana, meros, bilim, malaka, ko'nikma, xonanda, xofiz, katta ashula.

Abstract: This article is about mentoring, which has been important in human life since ancient times, and apprenticeship that continues the tradition of

mentoring. Today, it is talked about how important the tradition of “Master-disciple” is in people’s lives. The opinions presented in the article were written on the basis of many years of mentoring experience and the opinions and scientific articles of other mentors were used.

Keywords: teacher, student, upbringing, tradition, heritage, knowledge, skill, skill.

“YUSUF VA ZULAYHO” KITOBİY DOSTONIDA BADIİY TASVIR VOSITALARI

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Qisqacha mazmuni: ushbu maqolamzida sharq adabiyotining durdona asarlaridan biri bo‘lgan “Yusuf va Zulayho” kitobiy dostonida qo‘llanilgan badiiy tasvir vositalari va ularning dostonidagi o‘rni haqida ma’lumotga ega bo‘lamiz.

Kakit so‘zlar: doston, epitet, antiteza, totem, talmeh, antraponimlar, toponimlar, madhiya, xalq og‘zaki ijodi, to‘rlik, ohang, majoziy obraz.

ПСИХОЛОГИЧЕСКИЕ АСПЕКТЫ ВЛИЯНИЯ ИНТЕРНЕТ-ОБЩЕНИЯ НА СОЦИАЛЬНОЕ ПОВЕДЕНИЕ МОЛОДЕЖИ

МИРЗАЕВ ДЖАМШИД ТУРДАЛИЕВИЧ

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Abstract: The first developments of the Internet were made in 1969 in the USA. The Internet as we know it was born in 1992. In 2020, as of January, the number of Internet users in the world exceeded 4.5 billion, and now it will certainly be even more. This article is based on a methodological analysis of our scientific work on the topic “Psychological aspects of the influence of Internet communication on the social behavior of young people.” Selected for our scientific research (questionnaire survey according to the author’s methodology, Kimberly Young’s test (adapted by V.A. Loskutova); based on a general scientific analysis of our methods. In the objects of research we have chosen, that is, in our respondents, we see the results of the study according to our author’s methodology and “Kimberly-Young methodology” Research was conducted in the capital of the Republic of Uzbekistan and in the Syrdarya region, Jizzakh universities.

Keywords: Internet influence, communication, socialization, modern youth, Internet addiction, Kimberly-Young methodology

ИНТЕГРАЦИОННАЯ ВЗАИМОСВЯЗЬ ФИЛОЛОГИИ И ФИЛОСОФИИ В КОНЦЕПТЕ «ДУХОВНОСТЬ»

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Аннотация: В статье анализируется последовательность языковых единиц в семантическом поле «духовность» на основе выражаемых ими понятий и выявляется идеографическая карта лексем «просвещение» и «мораль», составляющих семантическое поле. Он также основан на существовании иерархической взаимосвязи между концепциями внутри категории.

Ключевые слова: концепт, этическая категория, семантическое поле, часть, идеографическая карта, иерархическая взаимосвязь, кластерный стиль, семантическая граница.

Abstract: The article analyzes the sequence of linguistic units in the semantic field “spirituality” on the basis of the concepts expressed by them and reveals the ideographic map of the lexemes “enlightenment” and “morality” that make up the semantic field. It is also based on the existence of a hierarchical relationship between concepts within a category.

Keywords: concept, ethical category, semantic field, part, ideographic map, hierarchical relationship, cluster style, semantic border, synonymous row.

ЮҚОРИ САМАРАЛИ ИККИ БАРАБАНЛИ ПАХТА ТОЛАСИНИ ТОЗАЛАШ МАШИНАСИ

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Аннотация: ушбу мақолада республикамизнинг пахта тозалаш корхоналарида пахта хомашёсини тозалашда қўлланиладиган машиналарнинг тахлили келтирилган бўлиб, уларнинг тозалаш самарадорлиги, конструктив жихатлари, самарадорлигини кўтариш учун амалга ошириши зарур бўладиган тадбирлар келтирилган.

Калит сўзлар: пахта хомашёси, тозалаш, пахта толаси, конструктив тузилиши, самарадорлик.

Abstract: this article presents an analysis of the machines used in the cleaning of cotton raw materials in the cotton ginning enterprises of our republic, their cleaning efficiency, constructive aspects, and measures to be taken to increase their efficiency.

Keywords: raw cotton, cleaning, cotton fiber, structural structure, efficiency.

ИККИ БАРАБАНЛИ ТОЛА ТОЗАЛАШ МАШИНАСИНИ ЯРАТИШ ВА ИШЛАБ ЧИҚАРИШГА ЖОРИЙ ҚИЛИШ

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Аннотация: ушбу мақолада республикамизнинг пахта тозалаш корхоналарида икки барабанли пахта толасини тозалашга мўлжалланган машинани яратилиши ва ишлаб чиқаришга жорий қилиш натижалари келтирилган. Бунда асосий эътибор тозаланган пахта толаси таркибидаги ифлосликларни чиқиши ва чиқинди таркибидаги пахта толаси миқдори алоҳида кузатилган.

Калит сўзлар: пахта хомашёси, тола тозалаш, барабан, самарадорлик, чиқинди таркиби, конструктив тузилиши.

Abstract: this article presents the results of the creation and introduction into production of a double-drum cotton fiber cleaning machine at the cotton ginning enterprises of our republic. In this, the main attention was paid to the release of impurities in the cleaned cotton fiber and the amount of cotton fiber in the waste.

Keywords: raw cotton, fiber cleaning, drum, efficiency, waste composition, structural structure.

ИНТЕГРАЦИЯ ПРЕДМЕТОВ В КЛАССЕ АНСАМБЛЯ В ПРОЦЕССЕ ОБУЧЕНИЯ СТУДЕНТОВ

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Аннотация: Пути развития музыкальных культур различных регионов нашей планеты весьма разнообразны. Человечество живёт в такое время, когда имеется возможность наблюдать одновременно существование различных стадий культурной эволюции у различных народов. Вся история, мировой цивилизации доказывает, что общаясь, взаимодействуя друг с другом, влияя друг на друга в различных сферах человеческой деятельности, люди развивают свои лучшие традиции, способствуя расцвету культуры. В различные исторические эпохи, в силу тех или иных социально-экономических условий, эстафета культурного развития передавалась то Востоку, то Западу

Ключевые слова: интеграция, музицирование, ансамбль, аккорд, слух, оркестр, рубаб, искусство, пьеса, хроматизация

Annotation: The ways of development of musical cultures of different regions of our planet are very diverse. Humanity lives at a time when it is possible to simultaneously observe the existence of different stages of cultural evolution among different peoples. The entire history of world civilization proves that communicating, interacting with each other, influencing each other against each other in various spheres of human activity, people develop their best traditions, contributing to the flourishing of culture. In various historical epochs, due to various socio-economic conditions, the baton of cultural development was passed either to the East or to the West.

Keywords: integration, music-making, ensemble, chord, ear, orchestra,

rubab, art, play, chromatization

ПРОВЕДЕНИЕ САМОСТОЯТЕЛЬНОЙ РАБОТЫ СТУДЕНТОВ ПО ФАРМАКОЛОГИИ

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Аннотация: Современная фармакология развивается чрезвычайно динамично. За последние десятилетия произошло необычайно интенсивное развитие фармакологии. Были созданы десятки тысяч новых высокоэффективных лекарственных средств, пересмотрены и заново изучены механизмы действия известных фармакологических препаратов. Прогрессивное увеличение объема информации, в том числе и по фармакологии, ставит перед высшей медицинской школой серьезные задачи по совершенствованию педагогического процесса.

Ключевые слова: фармакология, лекарственные средства, самостоятельная работа, студент, учебный процесс.

ZAMONAVIY PEDAGOGIK TEXNOLOGIYALARNING KLINIK FANLARNI O'QITISHDAGI O'RNI

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Qisqacha mazmuni: Maqolada zamonaviy pedagogik texnologiya asosida darslarni tashkil etish orqali ta'limning sifat-samaradorligini oshirish haqida fikr yuritilgan. Shuningdek, ta'lim jarayonining muvaffaqiyati o'qituvchining bilim va mahoratini doimiy ravishda boyitib borishga bog'liq ekanligi ochib berilgan.

Kalit so'zlar: innovatsiya, interfaol ta'lim, klinik fanlar, texnologiya, talaba.

МЕТОДИКА ПРОВЕДЕНИЯ ДИДАКТИЧЕСКИХ ИГР НА УРОКАХ МАТЕМАТИКИ

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Аннотация: Дидактический материал является важнейшим компонентом образовательного процесса. Он обеспечивает включение ребенка в освоение материала. Дидактическая игра очень важна именно в начальной школе, так как осуществляет естественный переход от игры к обучению.

Annotation. Didactic material is an important component of the educational process. It ensures the inclusion of the child in the development of the material. Didactic play is very important in primary school, as it makes a natural transition from playing to learning.

Ключевые слова: дидактика, игры, взаимоотношения, окружающий мир, воспитание, развитие, психические процессы, познания.

Keywords: didactics, games, relationships, the surrounding world, education, development, mental processes, cognition.

КУЛЬТУРНО-ЯЗЫКОВЫЕ КОНТАКТЫ В ОБОГАЩЕНИИ ЛЕКСИКИ УЗБЕКСКОГО ЯЗЫКА

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Аннотация: Заимствование слов как лингвистическое явления представляет собой результат социально-экономического общения, имевшего место между народами, заимствование слов как социальный фактор является тем, “причинным началом”, которое образует сферу общения одного коллектива языковых носителей с другим таким же языковым коллективом, т.е. сферу “международного” общения. Заимствование связано с двумя сферами языкового общения: сферой общения народов между собой и сферой общения между членами одной языковой среды.

Ключевые слова: Заимствование слов, исследование, культурно-языковые контакты, наука, культура, лингвистика, ученые-историки.

СОВРЕМЕННЫЙ ПОДХОД К ПРЕПОДАВАНИЮ В МЕДИЦИНСКОМ ОБРАЗОВАНИИ

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Аннотация: В статье отмечается, что подготовка профессионально компетентного и мобильного выпускника в настоящее время невозможно без использования современных инновационных педагогических технологий.

Статья посвящена инновационным методикам в педагогике медицинских высших учебных заведений, где немаловажное внимание уделяется нововведениям, а именно образовательным технологиям, которые участвуют в процессе формирования у обучающихся клинического мышления на основе компетентностно-ориентированного подхода.

Ключевые слова: инновационные технологии, профессиональные навыки, образовательное пространство, новые образовательные технологии.

СОВРЕМЕННЫЙ ПОДХОД К ПРЕПОДАВАНИЮ В МЕДИЦИНСКОМ ОБРАЗОВАНИИ

Файзиев Олим Аюбович., *преподаватель*

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Аннотация: В статье отмечается, что подготовка профессионально компетентного и мобильного выпускника в настоящее время невозможно без использования современных инновационных педагогических технологий.

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Ключевые слова: инновационные технологии, профессиональные навыки, образовательное пространство, новые образовательные технологии.

ТАЪЛИМ ТИЗИМИДА SMART ТЕХНОЛОГИЯЛАРИДАН Фойдаланиш

Ирсалиев Фуркатжон Шерали ўғли

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Abstract: The article describes the origin, role and importance of SMART technology in society. It describes the origin of the word SMART, the meaning of the word and the role of new technologies in the development of society and the importance of learning in the learning process. The content and meaning of the letters that make up the word SMART are expressed in text using scientific sources.

Keywords: technology, SMART, information technology, traditional education, e-learning, smart learning, learning content, learning purpose, learning dimension.

TALABALAR MUSTAQIL TA'LIMINI TASHKIL ETISHDA RAQAMLI TEXNOLOGIYALARDAN FOYDALANISH

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Abstract: The article provides information on the development of information and methodological support for the organization of self-study of students based on digital technologies. Distance education is a form of education using information and communication technologies and scientifically based teaching methods.

Keywords: digital technologies, information and communication technologies, educational process, educational resource, electronic educational and methodical complex.

ELECTRONIC LEARNING RESOURCES AND THEIR USE

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Abstract: The article describes the creation of modern e-learning resources for educational process, their purpose, content, structure and stages of creation. The article also gives recommendations on how to create e-learning resources, and how to use properly Web technologies, which are used in the process of creation of

e-learning resources.

Keywords: education system, educational literature, information and communication technologies, e-learning, educational resources, e-learning resources, automation.

ТАРБИЯ ЖАРАЁНИНИ ТЕХНОЛОГИЯЛАШТИРИШ ДОЛЗАРБ МУАММО СИФАТИДА

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Abstract: The following article discusses thesis about if the society would live people who moves forward to harmonic development, then there is no necessity of place for different deficiencies. Technologies of education is considered to be complicated process where they affect on language, morality, mentality, consciousness and concept of the trainer or teacher. In this case, sample of manner in professional activity of a teacher compulsorily affects on a learner.

Keywords: upbringing, technology of educating, quality, humanism, patriotism

DEVELOPMENT OF PROFESSIONAL COMPETENCE OF STUDENTS IN CONDITIONS OF INFORMATIZATION OF THE EDUCATIONAL PROCESS

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Abstract: This article reveals the essence of the concept of “Development of information and communication competence among students”, the general structure of information and communication competence, the system of basic and special competencies, pedagogical and psychological factors in the development of information and communication competence among students. students and in the subject “Information Technology” based on learning opportunities.

Keywords: informatization, competence, professional competence, students, basic competences.

THE ROLE OF INFORMATION COMMUNICATION TECHNOLOGIES IN THE DEVELOPMENT OF EDUCATION

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Nomozov Sherzod Abduraim o'g'li

Graduate student of Gulistan State University

Abstract: In this article, various problems encountered in education today

and the issues of effective use of information and communication technologies in their elimination were studied, and proposals and considerations were developed. The results of independent education and the use of information and communication technologies in its organization are highlighted.

Keywords: ICT, education, digital education, distance education, independent education, modern education, educational tools.

Qisqacha mazmuni: Ushbu maqolada bugungi kunda ta'limda uchrayotgan turli muammolar va ularni bartaraf etishda axborot kommunikatsiya texnologiyalaridan samaraliy foydalanish masalalari o'rganildi va taklif va muloxazalar ishlab chiqilgan. Kompal ta'lim oluvchilarni qiynayaotgan mustaqil ta'lim va uni tashkil qilishda axborot kommunikatsiya texnologiyalaridan foydalanish samaralari yoritilgan.

Kalit so'zlar: AKT, ta'lim, raqamli ta'lim, masafaviy ta'lim, mustaqil ta'lim, zamonaviy ta'lim, ta'lim vositalari.

TA'LIMDA RAQAMLI TEXNOLOGIYALAR IMKONIYATLARIDAN FOYDALANISH

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Qisqacha mazmuni: Axborot texnologiyalari zamonaviy jamiyat hayotiga ko'plab foydali va qiziqarli narsalarni olib keldi. Ushbu maqolada respublikamiz oliy ta'lim tizimi o'quv jarayoniga tez kirib kelayotgan yana bir ajoyib istiqbolli chinakam samarali texnologiya – “bulutli” hisoblash kontseptsiyasida asosiy o'rinni egallagan zamonaviy ta'limda virtual texnologiyalar va uning dasturiy ta'minotidan foydalanish yoritib berilgan.

Kalit so'zlar: raqamli texnologiyalar, axborot-kommunikatsiya texnologiyalari, zamonaviy ta'lim, internet tizimi, masofaviy o'qitish, virtual o'quv muhiti, elektron o'quv-resurslari, virtual dars, veb-texnologiya.

Abstract: Information technologies have brought a lot of useful and interesting things to the life of modern society. This article highlights the use of virtual technologies and their software in modern education, which occupies a central place in the concept of “cloud” computing - another incredibly promising truly effective technology, with the help of which the higher education system of the republic is rapidly entering the educational process.

Keywords: higher education system, digital technology, information and Communication Technology, modern education, digital knowledge, Internet system, distance learning, educational process, virtualization, electronic learning resources, virtual lesson, veb technologies.

UMUMIY O'RTA TA'LIM MAKTABLARIDA DASTURLASH ASOSLARINI O'QITISHNI TAKOMILLASHTIRISH.

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Qisqacha mazmuni: ushbu maqola umumiy o'rta ta'lim maktablarida dasturlashni o'qitishni takomillashtirish, dasturlashni o'rgatishda o'quvchilar va o'qituvchilar duch keladigan muammolarni hal qilish va takomillashtirish bo'yicha tavsiyalarni o'z ichiga oladi.

Kalit so'zlar: dasturlash, o'qitish usullari, ta'lim, algaritm, maktab, texnologiyalar.

Abstract: this article contains recommendations for improving the teaching of programming in general secondary schools, solving problems faced by students and teachers in teaching programming.

Keywords: programming, teaching methods, education, algorithm, school, technologies.

KREDIT-MODUL TIZIMIDA BO'LAJAK INFORMATIKA O'QITUVCHILARINI MUSTAQIL ISHLARINI TASHKIL ETISH SIFATINI OSHIRISH YO'NALISHLARI

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Qisqacha mazmuni: Ushbu maqolada Kredit-modul tizimi xususiyatlari va imkoniyatlari, zamonaviy ta'lim sharoitida talabalarning mustaqil ishlarini tashkil etish muammolari tahlil qilinib, bo'lajak informatika o'qituvchilarini mustaqil ishlarini tashkil etish sifatini oshirish yo'nalishlari, o'qitish tizimi uning samaradorligini oshirish istiqbollari belgilab berilgan.

Kalit so'zlar: Oliy ta'lim tizimi, kredit-modul, talabalarning mustaqil ishi, o'qituvchi rahbarligidagi talabaning mustaqil ishi, Raqamli texnologiya, ECTS.

ONLINE KURSLARNI TASHKIL ETISHDA WEB TEXNOLOGIYALARI.

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Qisqacha mazmuni: Zamonaviy dunyoda biz ko'rayotgan o'zgarishlarning misli ko'rilmagan sur'atlari texnologiyalarning rivojlanishi, globallasuv, iqtisodiyotining o'sishi, fan va texnikani rivojlanishini kuzatishimiz mumkin. Shu jumladan Axborot texnologiyalari ham juda katta suratlarda rivojlanmoqda. Elektron hukumat va raqamli texnologiyalar rivojlanishi bilan bir qatorda ta'lim

jarayonlarida ham online kurslar jadallik bilan rivojlanmoqda. Online kurslarni rivojlanishida internet tarmoqlarining o'rni beqiyos albatda. Shu jumladan online o'quv kurslarni tashkillashtirishda Web texnologiyalarining keng foydalanilmoqda. Bugungi kunda axborot texnologiyalari rivojlanishini web texnologiyalarisiz tasavvur qilib bo'lmaydi.

Kalit so'zlar: web sahifa, web sayt, web server, administrator, web texnologiyalar klassifikatsiyasi.

Аннотация: Мы можем наблюдать беспрецедентные темпы изменений, которые мы наблюдаем в современном мире, развитие технологий, глобализация, экономический рост, развитие науки и техники. В том числе информационные технологии развиваются очень большими картинами. Наряду с развитием электронного правительства и цифровых технологий в образовательных процессах стремительно развиваются онлайн-курсы. Роль интернет-сетей в развитии онлайн-курсов, безусловно, несравнима. В том числе, веб-технологии широко используются при организации онлайн-курсов обучения. Сегодня развитие информационных технологий невозможно представить без веб-технологий.

Ключевые слова: веб-страница, веб-сайт, веб-сервер, администратор, классификация веб-технологий.

VIRTUAL TA'LIM MUHITIDA ONLAYN TA'LIMNING AFZALLIKLARI.

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Qisqacha mazmuni: Hozirgi kunda zamonaviy qaratilgan axborot kommunikasiya izlanishlar to'xtovsiz jamiyatni standart sanoatlashgan iqtisodiyotdan yangi iqtisodiyotga o'tishi kuzatilmoqda. Virtual ta'lim, virtual ta'lim muhiti, virtual o'quv muhiti, virtual texnologiyalar vizual tasvirlarni ob'ektiv haqiqat bilan bog'lash uchun yangi omillarni yaratib, bular makon ko'lami, vaqt ko'lami, vaqtning teskari aylanishi, real bo'lmagan vaziyatlarni modellashtirish singari omillar bilan tavsiflanadi.

Kalit so'zlar: Virtual ta'lim, virtual ta'lim muhiti, virtual o'quv muhiti, virtual texnologiyalar, virtual ta'lim jarayonini boshqaruvchi tizimlar

Abstract: Nowadays, it is observed that the modern oriented information communication researches are constantly changing the society from the standard industrialized economy to the new economy. Virtual education, virtual learning environment, virtual learning environment, virtual technologies have created new factors to connect visual images with objective reality, these are the scale of space, the scale of time, the reversal of time, real characterized by factors such as modeling non-existent situations.

Keywords: Virtual education, virtual educational environment, virtual learning environment, virtual technologies, virtual educational process management systems

TA'LIM JARAYONIDA INTERAKTIV METODLARNING AHAMIYATI

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Qisqacha mazmuni: Bugungi kunda pedagogik texnologiyalarning eng mashhur turlaridan biri bu interaktiv usullardir. Interaktiv usullar-bu o'quvchi va o'qituvchining birgalikdagi faoliyati bo'lib, u asosan o'quvchilarni fikrlashga undaydi. Ushbu maqolada o'quv jarayonida interfaol usullardan foydalanishning ahamiyati, shuningdek darslarda ishlatiladigan ba'zi interaktiv usullar haqida so'z boradi.

Kalit so'zlar: "Yangi pedagogik texnologiyalar", "Innovatsion uslublar", "Interaktiv metodlar", "Interakt", zamonavut ta'lim.

Аннотация: Одним из самых популярных видов педагогических технологий на сегодняшний день являются интерактивные методы. Интерактивные методы-это совместная деятельность ученика и учителя, которая в основном побуждает учащихся к размышлениям. В данной статье рассказывается о важности использования интерактивных методов в образовательном процессе, а также о некоторых интерактивных методах, используемых на уроках.

Ключевые слова: "Новые педагогические технологии" "инновационные методики", "интерактивные методы", "интерактивное", современное образование.

ELEKTRON TA'LIMNING O'QUV-USLUBIY TA'MINOTINI YARATISHDA WEB TEXNOLOGIYALARDAN FOYDALANISH

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Qisqacha mazmuni: Ushbu ishda elektron ta'limning o'quv-uslubiy ta'minotini yaratishda web texnologiyalaridan foydalanish masalalari yoritilgan bo'lib, bunda elektron axborot ta'lim resurslariga fan bo'yicha yaratilgan elektron darslik, o'quv qo'llanma, metodik ko'rsatmalar, multimediyali vositalar, ma'lumotnomalar va lug'atlar, gipermatnlar, elektron testlar va topshiriqlar hamda shunga o'xshash talabning mustaqil bilim olishini ta'minlovchi, o'rganishga qiziqish uyg'otuvchi resurslar ko'rib chiqilgan.

Abstract: This work deals with the use of web technologies in the creation of educational and methodological support of e-learning, including the creation of electronic textbooks, manuals, guidelines, multimedia on the subject of electronic information educational resources. tools, reference books and dictionaries, hypertext, electronic tests and assignments, as well as similar resources that provide

independent student learning and interest in learning.

EVALUATING THE EFFECTIVENESS OF INFORMATION SECURITY TRAINING IN ONLINE LEARNING ENVIRONMENTS

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Abstract: The article aims to evaluate the effectiveness of information security training in online learning environments. The author conducts a survey of 113 participants who have undergone information security training in an online learning environment. The survey is designed to assess the effectiveness of the training program by evaluating the participants' knowledge of information security concepts before and after the training. The study also investigates the participants' perception of the training program and the usefulness of the training materials. The author find that the training program has a significant positive impact on the participants' knowledge of information security concepts. The participants' average score on the post-training knowledge assessment is significantly higher than the pre-training score. The study also finds that the participants perceive the training program to be useful and relevant to their job. The participants rate the training materials, including the videos, presentations, and case studies, as effective in improving their understanding of information security concepts.

Keywords: information security, online learning environments, training effectiveness, knowledge assessment, multimedia materials, participant perception.

USE OF DIGITAL RESOURCES IN PROFESSIONAL EDUCATION OF STUDENTS

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Abstract: This article provides a comprehensive overview of the use of digital resources in professional education of students. The authors conduct a systematic review of existing literature and explore the impact of digital resources on student learning outcomes, teaching effectiveness, and overall educational experiences. The study identifies a wide range of digital resources that are currently being used in professional education, such as e-learning platforms, digital textbooks, and simulation tools. The authors also discuss the challenges associated with the use of digital resources, such as the need for technological infrastructure, teacher training, and student engagement.

Keywords: digital resources, professional education, e-learning, digital textbooks, simulation tools, student learning outcomes, teaching effectiveness, educational experiences, challenges, technological infrastructure, teacher training, student engagement, implementation, evaluation.

ELEKTRON TIJORAT TIZIMLARI VA ULARNING MAMLAKAT IQTISODIYOTIDAGI ROLI

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Bosimov Bexzod G'anisher o'g'li, *Guliston davlat universiteti magistri*

Qisqacha mazmuni: Ushbu maqolada Elektron tijoratni rivojlantirish bo'yicha tanlangan va amaldagi yo'ldan to'g'ri borish, kelajakda O'zbekiston iqtisodiyotini jahon bozorining yetakchi vakillaridan biriga aylantirishga qaratilgan ilmiy asoslari keltiriladi.

Kalit so'zlar: elektron tijorat, elektron biznes, elektron savdo, virtual savdo maydonlari, internet konsalting, axborot-kommunikatsiya texnologiyalari, internet tizimi.

Abstract: This article presents the scientific foundations of the chosen and current path for the development of e-commerce, aimed at making the economy of Uzbekistan one of the leading representatives of the world market in the future.

Keywords: e-commerce, e-business, e-commerce, virtual shopping areas, internet consulting, information and communication technologies, internet system.

TA'LIM SIFATINI OSHIRISHDA VIRTUAL TEXNOLOGIYALAR O'RNI VA AHAMIYATI

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Qisqacha mazmuni: Ta'limdagi virtual texnologiyalar asosiy boshqichlarga chiqmoqda. Talabalar tegishli ko'nikmalarga ega bo'lishlari uchun virtual texnologiya foydalanishi kerak, shuning uchun ish joyida zarur bo'lgan amaliy jihatga erishish mumkin. Yodlash faktlar talabalarni zeriktiradi; shuning uchun talabalarga tajriba orttirishga yordam beradigan virtual texnologiyaga ehtiyoj bor. Virtual texnologiyalar talabaning o'zini o'zi rivojlantirishni yaxshilaydi.

Kalit so'zlar: Axborot texnologiyalari, IT xizmatlar, ta'lim sifati, virtual texnologiya, smart doska, internet.

Abstract.: In education, virtual technologies come to the fore. Students should use virtual technology to acquire relevant skills to achieve the practical aspect required in the workplace. Memorizing facts exhausts students; therefore, there is a need for virtual technology to help students gain experience. Virtual technologies improve students' self-development.

Keywords: Information technologies, IT services, quality of education, virtual technology, smart board, internet.

PYTHON DASTURLASH TILINI O'QITISHDA TAKRORLANUVCHI ALGORITMLARNI DASTURLASH.

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Qisqacha mazmuni: Hozirgi zamonaviy axborot texnologiyalari keng taraqqiy etgan bir davrda umumta'lim maktab o'quvchilariga dasturlash tillarini o'qitishda alohida uslub bilan yondashish, soddalashtirilgan usullarni ishlab chiqish, o'quvchilarni yoshini inobatga olgan holda vazifalar tayinlash dolzarb masalalardan biri hisoblanadi. Umumiy o'rta ta'lim maktablarida o'quvchi yoshlarda mustaqil dastur tuzish ko'nikmalarini shakllantirish, dasturlash tillariga qiziqtirish, ularni kelajakda o'z o'rinini topishiga va mamlakat rivoji uchun mukammal dasturlar yaratishiga turtki bo'ladi.

Kalit so'zlar: dastur, ta'lim metodlari, dasturlash muhiti, for operatori, while operatori, siki tanasi, break operatori, continue operatori.

Abstract: Nowadays when modern information technologies are widely developed, one of the most actual problems is to issue a special approach for teaching programming languages to secondary school students and to pay attention to the development of simplified methods assigning tasks based on the age of students. This article develops self-programming skills among high school students, helps to develop an interest in programming and help them find their place in the future, as well as create better programs for the development of the country.

Keywords: program, educational methods, programming environment, for operator, while operator, cycle body, break operator, continue operator.

IMPROVING THE FORMATION OF INFORMATION SECURITY KNOWLEDGE IN THE CONTINUOUS EDUCATION SYSTEM

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Normamatova Nazira Alijon qizi

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Abstract: In the article, the state of imparting information security knowledge to learners in the continuous education system, the enrichment of knowledge at the educational stages, and the processes of knowledge formation by solving problematic issues are analyzed. Topics covered in the theoretical and practical forms of the training and examples of problematic tasks for their reinforcement are provided. By improving these factors, the issues of improving the formation of information security knowledge were studied.

Keywords: information security, continuing education, learner, information technology, problem assignments.

Qisqacha mazmuni: Maqolada uzluksiz ta'lim tizimida ta'lim oluvchilarga axborot xavfsizligi bo'yicha bilimlar berilish holati, ta'lim bosqichlarida bilimlarning boyitilishi, muammoli masalalarni yechish orqali bilimlarni shakillanish jaroyonlari taxlil qilingan. Mashg'ulotlarning nazariy va amaliy shakillarida yoritiladigan mavzular va ularni mustaxkamlash uchun muammoliy topshiriqlarga namunalar keltirilgan. Ushbu omillarni takomillashtirish orqali axborot xavfsizligi bo'yicha bilimlarni shakillantrishni takomillashtirish masalalari tadqiq qilingan.

Kalit so'zlar: axborot xavfsizligi, uzluksiz ta'lim, ta'lim oluvchi, axborot texnologiyalari, muammoliy topshiriqlar.

A MODERN APPROACH TO THE ENRICHMENT AND DEVELOPMENT OF INFORMATION SYSTEMS KNOWLEDGE

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Abstract: This article describes the development of knowledge about information systems in the educational system, their requirements, types of control and their organization. Innovative methods and means of strengthening knowledge, criteria for knowledge evaluation were analyzed and their effectiveness was studied. Based on this, modern approaches to the enrichment and development of information systems knowledge were studied.

Keywords: information systems, educational system, assessment, types of control, strengthening of knowledge, innovative approach.

Qisqacha mazmuni: Ushbu maqolada ta'lim tizimida axborot tizimlari bo'yicha bilimlarni rivojlantirish, ularga qo'yiladigan talablar, nazorat turlari va ularni tashkil etish masalalari yoritilgan. Bilimlarni mustahkamlashning innovatsion usullari va vositalari, bilimlarni baholash mezonlari tahlil qilingan va ularning samarasi o'rganilgan. Shu asosida axborot tizimlari bo'yicha bilimlarni boyitish va rivojlantiriga zamonaviy yondashuvlar o'rganilgan.

Kalit so'zlar: axborot tizimlari, ta'lim tizimi, baholash, nazorat turlari, bilimlarni mustahkamlash, innovatsion yondashuv.

USE OF INFORMATION TECHNOLOGIES IN A COMPETENT APPROACH TO THE EDUCATIONAL PROCESS

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Abstract: In this article, the competence approach in the educational process, its role in bringing education to a new level, was studied. The research conducted by scientists and their results were analyzed, the results they achieved, their views were studied. In particular, the scientific researches of our country and foreign scientists were studied. Their views on the subject and the main results of their research were analyzed and the importance of the problem was determined. The effectiveness of

the competence approach in the educational process and its role in the training of modern personnel according to the demands of today's society were scientifically analyzed. In this process, the tasks of learners and educators were studied. It was shown on the basis of drawings which parts of education are applied.

Keywords: Competence, competence approach, educational competence, basic competence, interdisciplinary competence.

Аннотация: В данной статье изучен компетентностный подход в образовательном процессе, его роль в выводе образования на новый уровень. Были проанализированы исследования, проведенные учеными, и их результаты, изучены достигнутые ими результаты, их взгляды. В частности, были изучены научные разработки нашей страны и зарубежных ученых. Проанализированы их взгляды на предмет и основные результаты исследований, определена актуальность проблемы. Проведен научный анализ эффективности компетентностного подхода в образовательном процессе и его роли в подготовке современных кадров в соответствии с запросами современного общества. При этом изучались задачи обучающихся и воспитателей. На основе рисунков было показано, какие части образования применяются.

Ключевые слова: компетентность, компетентностный подход, образовательная компетентность, базовая компетентность, междисциплинарная компетентность.

INFORMATIKA VA AXBOROT TEXNOLIGIYALARI DARSLARIDA ELEKTRON TA'LIM RESURSLARIDAN FOYDALANISH TEXNOLOGIYALARI

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Jizzax viloyati pedagoglarni yangi metodikalarga o'rgatish milliy markazi

Qisqacha mazmuni: Ushbu maqolada dars mashg'ulotlarida o'qituvchilar va o'quvchilar elektron ta'lim resurslaridan foydalanishi uchun kerakli bo'lgan bilim va ko'nikmalar bilan qurollangan bo'lishlari lozim bo'lgan ta'limni shakllantirishning nazariy va amaliy asoslari yoritilgan.

Kalit so'zlar. informatika fani, zamon talablari, ko'nikma va malakal, ijodiy o'qitish, elektron ta'lim resurslari, axborotlashtirish, dasturiy vositalar, kompyuter savodxonligi.

Annotation. This article describes the theoretical and practical foundations of education, which should be equipped with the knowledge and skills necessary for teachers and students to use e-learning resources in classes.

Keywords. computer science, contemporary requirements, skills and competences, creative teaching, e-learning resources, informatization, software tools, computer literacy.

**RAQAMLI TA'LIM MUHITI ASOSIDA BO'LAJAK
PEDAGOGLARNING MUHIM KASBIY SIFATLARINI
SHAKLLANTIRISH METODIKASI**

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Qisqacha mazmuni: Keltirilgan ushbu maqolada ta'limda raqamli texnologiyalar orqali o'quvchilarning ta'limdagi faolliklarini rivojlantirish borasida fikr yuritiladi. Shu bilan birga ta'limda raqamli texnologiyalarni qo'llash haqida qisqacha ma'lumot beradi. Undan so'ng ta'limda raqamli texnologiyalarning muammolari va ularning kelajagi haqida munozara bo'yicha fikr yuritiladi. Axborot texnologiyalari barcha fanlar va yo'nalishlardagi umumiy bilimlarni tarqatish va ma'lumotlarni to'plash, jamlash uchun paydo bo'ldi va ta'lim jarayonidagi asosiy kuchi hisoblanadi. Ayni damda O'zbekistonning chekka hududlaridagi maktab va litsey, kollej, oliygohlarga ham raqamli texnologiyalar va mobil qurilmalar kirib borgan, buning natijasida o'quvchi yoshlar ulardan erkinlik bilan foydalanmoqdalar.

Tayanch so'zlar: texnologiya, raqamli ta'lim, gadget, oliygoh, maktab, mobil qurilma, muommolar, yechimlar, ma'lumot tarqatish.

**TALABALARDA WEB-DIZAYN KOMPETENTLIKNI
RIVOJLANTIRISHNING METODIK TA'MINOTI**

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Abstract: The article presents the content of the structure of web design competence in students, a model of methodological support for the development of web design competence as part of professional competence in future computer science teachers.

Keywords: Web design, web competence, web space, graphic information space, project culture.

Annotatsiya: Maqolada talabalarda web-dizayn kompetentlikning tarkibiy tuzilmasi mazmuni, bo'lajak informatika o'qituvchilarida kasbiy kompetentlik qismi sifatida web-dizayn kompetentlikni rivojlantirishning metodik ta'minoti modeli keltirilgan.

Kalit so'zlar: Web-dizayn, web-kompetentlik, web-makon, grafik axborot makoni, loyiha madaniyati.

TA'LIM JARAYONIDA BO'LAJAK INFORMATIKA FAN O'QITUVCHISINI PEDAGOGIK KOMPETENTLIGINI SHAKLLANTIRISH

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Qisqacha mazmuni: Ushbu maqolada ta'lim jarayonida bo'lajak informatika fan o'qituvchisini tashkiliy pedagogik kompetentligini shakllantirishdagi talablar qoidalarni va o'qituvchilarning kasbiy kompetentligini oshirishdagi yutuq va kamchiliklarini yoritib o'tildi.

Kalit so'zlar: Kompetentlik, ta'lim, raqamli texnologiya, informatika, axborot texnologiyalari.

Abstract: In this article, the requirements for the formation of organizational pedagogical competence of the future informatics teacher in the educational process and the achievements and shortcomings of improving the professional

Keywords: Competence, education, digital technology, informatics, information technologies.

JAMIYATNI AXBOROTLASHTIRISH SHARTLARIDA KADRLAR TAYYORLASHNING TA'LIM MAZMUNIGA QO'YADIGAN TALABLARI VA MUAMMOLARI

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Qisqacha mazmuni: Ushbu maqolada jamiyatni axborotlashtirish sharoitida iqtisodiyot va jamiyat hayotini raqamli o'zgartirish muammolarini hal qilishda kadrlar tayyorlash va ularni o'z kasbiy faoliyatida raqamli axborot texnologiyalardan foydalanish sohasida ma'lum kompetensiyalarga ega bo'lishliklari borasidagi talablar va muammolarga to'xtalib o'tilgan. Shuningdek, birinchi navbatda, raqamli texnologiyalar va axborot resurslarining jamiyat va har bir inson hayotiga jadal kirib borishi, jamiyatni axborotlashtirish va hayotni raqamlashtirishning jadalligi jamiyat rivojlanishida ba'zi bir noaniqliklarni va shunga mos ravishda ta'lim tizimi mazmuniga, professor-o'qituvchilarga qo'yiladigan talablar hamda muammolarni aniqlahga bag'ishlangan.

Kalit so'zlar: simulyatorlar, virtual, raqamli kontent, raqamli dunyo, tabiiy makon, kontseptual, kompetensiya.

Abstract: This article focuses on the requirements and problems of training personnel to solve the problems of digital transformation of the economy and social life in the context of the informatization of society and the availability of certain

competencies in the use of digital information technologies in their professional activities. Also, first of all, the rapid penetration of digital technologies and information resources into society and the life of every person, the speed of the information society and the digitalization of life create certain uncertainties in the development of society and, accordingly, in the content of the education system in the hands of professors and teachers. It is dedicated to identifying requirements and problems.

Keywords: Simulators, virtual, digital content, digital world, natural space, conceptual, competence.

TA'LIM TIZIMIDA SMART TEXNOLOGIYALARIDAN FOYDALANISH

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Abstract: The article describes the origin, role and importance of SMART technology in society. It describes the origin of the word SMART, the meaning of the word and the role of new technologies in the development of society and the importance of learning in the learning process. The content and meaning of the letters that make up the word SMART are expressed in text using scientific sources.

Keywords: technology, SMART, information technology, traditional education, e-learning, smart learning, learning content, learning purpose, learning dimension.

O'QUV JARAYONINI TASHKIL ETISHGA YO'NALTIRILGAN MEDIATA'LIM

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Guliston davlat universiteti magistranti

Qisqacha mazmuni: Maqolada o'quv jarayonini tashkil etishga yonaltirilgan mediata'lim resurslarini tashkil etish bo'yicha ishlar olib borildi. Mediata'lim resurslarini tashkil etish uchun yangi tushuncha va konikmalar shakllantirildi.

Kalit so'zlar: Mediata'lim, Media savodxonlik, Mediamadaniyat, Mediamatn.

Abstract: In the article, work was carried out on the organization of media education resources aimed at the organization of the educational process. New concepts and skills were formed for the organization of media education resources.

Keywords: Media education, Media literacy, Media culture, Media text.

Insoniyat paydo bo'lishi bilan axborot almashish uchun mediani yaratdi.

O'PKA TOMOGRAFIK TASVIRLARIDA SARATON KASALLIGINI TURLARI BO'YICHA TASNIFLASHNING VEYVLETLARGA ASOSLANGAN KONVOLYUCTIONS NEYRON TARMOQ MODELI

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Qisqacha mazmuni: Ushbu maqolada biz o'pka tasvirlarini ajratib olish va tasniflash uchun veyvlet konvolyutsion neyron tarmog'i (WCNN) arxitekturasini taklif qilamiz. WCNN modeli o'pka tasvirini tasniflashning aniqligi va samaradorligini oshirish uchun konvolyutsion neyron tarmoqlari va veyvlet o'zgartirishlarning kuchli tomonlarini birlashtiradi. Natijalar WCNN modelining o'pka tasvirlarini tasniflash samaradorligini ko'rsatadi, bu o'pka saratoni tashxisi va davolashning aniqligini oshirishi mumkin. Taklif etilayotgan model to'rtta asosiy bosqichdan, ya'ni dastlabki ishlov berish, xususiyatlarni ajratib olish, tasniflash va vizuallashtirishdan iborat. Oldindan ishlov berishda o'pka tomografik tasvirlaridan tuz-qalampir shovqinini olib tashlash uchun median filtr qo'llanildi. Diskret veyvlet o'zgartirishni amalga oshirish uchun Dobeshi veyvlet o'zgartirishi qo'llanilgan. Taklif etilayotgan modelda past darajadagi tafsilotlarni olib tashlash va tasvirlar hajmini kamaytirish uchun tasvirlarga 3-darajali Dobeshi veyvlet parchalanishi qo'llanilgan. Natijalar shuni ko'rsatadiki, tavsiya etilgan usul 97% aniqlik bilan yaxshi natijalar beradi.

Kalit so'zlar: veyvlet, raqamli ishlov berish, neyron tarmoq, chuqur o'qitish, Dobeshi, konvolyutsion neyron tarmoq, filtrlash, median, tomografik tasvir.

Abstract: In this paper, we propose a wavelet convolutional neural network (WCNN) architecture for lung image extraction and classification. The WCNN model combines the strengths of convolutional neural networks and wavelet transforms to improve the accuracy and efficiency of lung image classification. The results show the effectiveness of the WCNN model in classifying lung images, which can improve the accuracy of lung cancer diagnosis and treatment. The proposed model consists of four main steps, namely pre-processing, feature extraction, classification and visualization. A median filter was used in preprocessing to remove salt-and-pepper noise from lung tomographic images. Dobeshi wavelet transform was used to perform discrete wavelet transform. In the proposed model, 3rd-order Dobeshi wavelet decomposition is applied to images to remove low-level details and reduce image size. The results show that the proposed method gives good results with 97% accuracy.

Keywords: wavelet, digital processing, neural network, deep learning, Dobeshi, convolutional neural network, filtering, median, tomographic image.

“KOMPYUTER TARMOQLARI” FANINI O‘QITISHDA TALABALARNING KOGNITIV KOMPETENSIYALARINI RIVOJLANTIRISHNING MAQBUL METODIKASINI TANLASH TAMOYILLARI

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Qisqacha mazmuni: Ushbu maqolada “Kompyuter tarmoqlari” fanini o‘qitishda talabalarning kognitiv kompetensiyalarini rivojlantirishning maqbul metodikasini tanlash tamoyillari haqida bayon etilgan.

Kalit so‘zlar: tarmoq, kadrlar, kompetentlik, metodik, diagnostika, kompetensiya, moddiy-motivatsion va reflektiv-kreativlik

VIDEOMA'RUZALARNI OLIY TA'LIMDAGI ROLI

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Qisqacha mazmuni: Zamonaviy ta’limda pedagogik va axborot texnologiyalari integratsiyasidan foydalanib videodarslarni tashkil etish, yangidan yangi pedagogik tafakkurlashni, fikr yuritishni shuningdek, oliy ta’limda talabalarda kasbiy va fanga bo‘lgan motivatsiyani kuchaytirish uchun pedagogik va axborot texnologiyalari integratsiyasidan foydalanib videodarslarning yangicha usullarni tatbiq etishni taqozo etmoqda.

Kalit so‘zlar: videoma’ruza, hd format, kameralar, katta xotira (vinchestr), Camtasia Studio, FastStone Capture, CamStudio.

TA'LIM JARAYONIDA MOBIL ILOVALAR YARATISHNING O'RNI VA AHAMIYATI

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Qisqacha mazmuni: Maqolada umumiy o‘rta ta’lim maktablari o‘quvchilarida mobil ilovalar yaratish ko‘nikmasini shakllantirish bo‘yicha amalga oshirilgan ishlar va olingan natijalar haqidagi fikrlar yoritilgan bo‘lib, o‘quvchilarda mobil ilovalar yaratish ko‘nikmasi shakllantirishda Flutter dasturiy vositasi imkoniyatlarini o‘rganish va ushbu dasturiy vosita bilan ishlay olish hamda “Mobil dasturlash” nomli ilovadan foydalanish to‘g‘risida ma’lumotlar yoritib berilgan..

Kalit so‘zlar: Ta’lim, mobil ilovalar, flutter daturiy vosita, mobil dasturlash.

YOSH MIGRANTLAR BILAN IJTIMOIIY ISH

J.B.Jabborov, *Guliston davlat universiteti o'qituvchisi*

S.K.Mamatqulova, *Guliston davlat universiteti talabasi*

Qisqacha mazmuni: Ushbu maqolada yosh migrantlar va ular bilan olib borishning chet el ijtimoiy ish shakllari va usullari tahlil qilingan.

Kalit so'zlar: yoshlar migratsiyasi, hududiy reabilitatsiya, kasbiy moslashuv, ijtimoiy ish, ijtimoiy xizmat, ijtimoiy ish usullari, ijtimoiy yordam.

Аннотация: В данной статье анализируются молодые мигранты и зарубежные формы социальной работы и методы работы с ними.

Ключевые слова: миграция молодежи, региональная реабилитация, профессиональная адаптация, социальная работа, социальная работа, методы социальной работы, социальная помощь.

IJTIMOIIYLASHUV HAMDA MA'NAVIY MAKONLARDA MILLIY G'OYA VA MAFKURALARNING TARIXIY AHAMIYATI

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Qisqacha mazmuni: Ijtimoiylashuv-inson tomonidan jamiyatda hayot kechirish imkoninini beruvchi g'oya va mafkuralar, bilimlar, normalar va qadriyatlar tizimining o'zlashtirilish jarayonidir. Ijtimoiylashuv inson tomonidan kishilik madaniyatining, xususan milliy g'oya, milliy mafkura, milliy madaniyat an'analari o'zlashtirib borilishi jarayoni sifatida ham tadqiq etilishi mumkin. Ushbu maqolada ijtimoiylashuviga doir, g'oyaviy-mafkuraviy, falsafiy qarashlar, hamda jamiyatimizning ma'naviy hayoti va taraqqiyoti qolaversa ijtimoiy hayotni sog'lomlashtirish masalalari, hamda ijtimoiylashuv jarayon murakkab mexanizmlari keltirib o'tilgan. Ushbu mexanizmning g'oyaviy - mafkuraviy, ijtimoiy-madaniy, falsafiy talqinda tarkibiy-funksional tahlili tadqiq etilgan. Jamiyat va shaxs orasidagi munosabatlar ijtimoiy-falsafiy tahlil etilgan.

Kalit so'zlar: Ma'naviy makon, Indivud, ijtimoiylashuv, Shaxs, Psixogenetik, Aqliy-kontseptual, Ijtimoiy moslashuv, Madaniy muhit, transformatsiya, plyuralizm, intellekt, global, xronologiya, deformatsiya.

JAMIYATDA HUQUQIY MADANIYATNI RIVOJLANTIRISH DOLZARB MUAMMO SIFATIDA

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"Milliy g'oya, ma'naviyat asoslari va huquq ta'limi" kafedrasida talabasi

Qisqacha mazmuni: Demokratik islohotlarni yanada chuqurlashtirish va

fuqarolik jamiyatini rivojlantirish yo'lidan dadil qadam tashlayotgan O'zbekistonda huquqiy ong hamda huquqiy madaniyatni yuksaltirish bugungi kundagi dolzarb muammodir. Vatanimizning rivojlanishi va istiqboli, mamlakatimizda keng ko'lamda o'tkazilayotgan iqtisodiyot, siyosat, davlat qurilishi, huquqiy tizim va jamiyatni ma'naviy o'zgartirishning muvaffaqiyati ko'p jihatdan bugungi kun yoshlarining huquqiy ongi, ilimi hamda huquqiy madaniyat darajasiga bog'liqligi o'z-o'zidan ayon. Maqolada jamiyatda huquqiy madaniyatni rivojlantirish borasida amalga oshirilayotgan islohotlar borasida so'z yuritiladi.

Kalit so'zlar: huquqiy madaniyat, huquqiy ong, shaxs, oila, mahalla, ta'lim muassasasi, tashkilot, jamiyat.

GLOBALLASHUV SHAROITIDA YOSHLARNING AXBOROT XAVFSIZLIGINI TA'MINLASHNING PSIXOLOGIK MEXANIZMLARI

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Qisqacha mazmuni: Ushbu maqolada jahonda globallashuv jarayonining tobora shiddatli tus olayotganligi, dunyo mamlakatlarining inson manfaatlariga xizmat qiladigan tom ma'nodagi demokratik yo'lni tanlab olishga bo'lgan intilishlarining kuchayganligi, bir sharoitda axborotning roli kun sayin ortib borayotganligi, insoniyatning axborotlashuv sohasida inqilobiy o'zgarishlarni boshidan boshidan kechirayotganligining o'ziga xos xususiyatlari haqida fikr yuritiladi.

Kalit so'zlar: globallashuv, axborot, jamiyat, psixika, ong, salbiy ta'sirlar, xulq-atvor, xatti-harakat.

Abstract: In this article, the globalization process in the world is becoming more and more intense, the aspirations of the countries of the world to choose a literal democratic path that serves human interest have increased, the role of information is increasing day by day, and the revolutionary changes in the information field of humanity have been made from the beginning special features of forgiveness are discussed.

Keywords: globalization, information, society, psyche, consciousness, negative effects, behavior, behavior.

HUQUQIY REALLIKNI RIVOJLANTIRISHNING MA'NAVIY-AHLOQIY VA IJTIMOY MEXANIZMLARI

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Qisqacha mazmuni: Huquq falsafasida o'rganiladigan mavzular nafaqat yuridik fanlar, balki ijtimoiy-siyosiy, ma'naviy-axloqiy va psixologik fanlar bilan ham chambarchas bog'liqdir. Shu boisdan ham mazkur yo'nalishda ilgari surilgan g'oyalar huquq, davlat va jamiyat, yoshlar o'rtasidagi munosabatlarga bevosita ta'sir ko'rsatdi.

Kalit soʻzlar: huquq, tabiiy, pozitiv, tarixiy, ijtimoiy, analitik, falsafiy, ma'naviyat, axloq, jamiyat.

Abstract The topics studied in the philosophy of law are closely related not only to the legal sciences, but also to the socio-political, spiritual-moral and psychological sciences. Therefore, the ideas put forward in this direction directly influenced the relationship between law, the state and society, youth.

Keywords: law, natural, positive, historical, social, analytical, philosophical, spirituality, ethics, society.

MA'NAVIY-AXLOQIY TARBIYA VA UNING TA'SIRCHAN OMILLARI

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Qisqacha mazmuni: Ushbu maqolada yoshlarni axloqiy tarbiyasi va uning ta'sirchan

Omillari haqida fikr yuritilgan. Shuningdek, yoshlarni axloqiy tarbiyalashda mahalla, oila, maktab va jamoa tashkilotlarining birgalikdagi faoliyati muhim ahamiyat kasb etishi bayon etilgan.

Kalit soʻzlar: Ma'naviy-ahloqiy tarbiya, hulq-atvor, burch va ma'suliyat, vijdon, ornomus, sadoqat, ezgulik, odamiylik, halollik, fidoiylik, mehroqibat, vijdoniylik, adolat, ma'naviy barkamol, jismoniy sog'lom va boshqalar.

Abstract: This article discusses the moral education of young people and its influential factors. It was also noted that the joint work of community, family, school and community organizations plays an important role in the moral education of young people.

Keywords: moral education, behavior, duty and responsibility, conscience, honor, loyalty, kindness, humanity, honesty, devotion, kindness, conscientiousness, justice, spiritual maturity, physical health and so on.

BARKAMOL AVLOD TARBIYASIDA OILANING O'RNI

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Abstract: The article describes the role, importance and important aspects of the family in raising a mature generation. It has been shown that raising a child in the family is the first pedagogical process for a mature generation.

Keywords: perfect generation, education, family, society, pedagogical process, perfect person, national value.

JAMIYATDA HUQUQIY MADANIYATNI RIVOJLANTIRISH DOLZARB MUAMMO SIFATIDA

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"Milliy g'oya, ma'naviyat asoslari va huquq ta'limi" kafedrası talabasi

Qisqacha mazmuni: Demokratik islohotlarni yanada chuqurlashtirish va fuqarolik jamiyatini rivojlantirish yo'lidan dadil qadam tashlayotgan O'zbekistonda huquqiy ong hamda huquqiy madaniyatni yuksaltirish bugungi kundagi dolzarb muammodir. Vatanimizning rivojlanishi va istiqboli, mamlakatimizda keng ko'lamda o'tkazilayotgan iqtisodiyot, siyosat, davlat qurilishi, huquqiy tizim va jamiyatni ma'naviy o'zgartirishning muvaffaqiyati ko'p jihatdan bugungi kun yoshlarining huquqiy ongi, bilimi hamda huquqiy madaniyat darajasiga bog'liqligi o'z-o'zidan ayon. Maqolada jamiyatda huquqiy madaniyatni rivojlantirish borasida amalga oshirilayotgan islohotlar borasida so'z yuritiladi.

Kalit so'zlar: huquqiy madaniyat, huquqiy ong, shaxs, oila, mahalla, ta'lim muassasasi, tashkilot, jamiyat

KUBROVIYA TA'LIMOTIDA RIVOJLANISH BOSQICHLARI

Sh. Tangirberdiev, GulDU, o'qituvchi

Boboev, talaba

Qisqacha mazmuni: Najmiddin Kubro – tasavvufning mashhur shayxlaridan biri, kubraviya tariqatining asoschisi. Uning hayoti, karomatlari, saxovatu qaxramonliklari haqida el orasida ko'plab afsona va rivoyatlar mavjud. Xalqimiz o'zining bu aziz va tabarruk farzandini e'zozlab, asrlar davomida nomini xotirasida saqlab kelmoqda. Tasavvufga oid manbalarda ham Najmiddin Kubroning ishlari, martaba va mo'jizalari haqida so'z boradi. Ma'xazlarning mualliflari, odatdagiday, shayxning tarjimai holini qisqacha ma'lumotlar berish bilan kifoyalangan holda, ko'proq ul zotning ko'rsatgan karomatlarini bayon etish, ustozlari kimligini aytish va tariqatdagi nisbat – silsilasini aniqlashga e'tibor berganlar. Ushbu maqolada Shayx Najmiddin Kubro va tasavvuf tariqati borasida so'z yuritiladi.

Kalit so'zlar: tasavvuf, shariat, tariqat, ma'rifat, haqiqat, zikr, xilvat.

AJDODLAR MEROSIGA DAXLDORLIK TUYG'USI ASOSIDA INTERDISTIPLINAR YONDASHUV

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Qisqacha mazmuni: Ushbu maqolada daxldorlik va daxldorlik tuyg'usi tushunchalarining ajdodlar merosiga interdistsiplinar nuqtai – nazardan yondashuvi, ijtimoiy-falsafiy, ma'naviy-axloqiy kabi aniq ilmiy, daliliy faktlar asosida yoritib berilgan.

Kalit so'zlar: daxldorlik, daxldorlik tuyg'usi, interdistsiplinar, axloqiy, ma'naviy, tarixiy, ijtimoiy, falsafiy, gnoseologik, epistemologik, deterministik, mantiqiy, g'oyaviy, dialektik, diniylik, ekstaz holati, insoniylik, va boshqalar.

Abstract: In this article, the concepts of belonging and sense of belonging to the heritage of ancestors are explained from an interdisciplinary point of view, on the basis of concrete scientific and evidential facts such as socio-philosophical, spiritual and moral.

Keywords: relevance, sense of belonging, interdisciplinary, ethical, spiritual, historical, social, philosophical, epistemological, epistemological, deterministic, logical, ideological, dialectical, religiosity, ecstatic state, humanistic, etc.

UCHINCHI RENESSANS BUNYODKORLARINI TARBİYALASHDA MILLIY QADRIYATLARNING O'RNI

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Qisqacha mazmuni: Maqolada Uchinchi Renessans bunyodkorlarini tarbiyalashda milliy qadriyatlarning o'rni, ahamiyati misollar yordamida ko'rsatib berilgan.

Kalit so'zlar: Renessans, milliylik, qadriyat, insoniylik, tinchlik, farovonlik, taraqqiyot.

Annotation: The role and importance of national values in educating young people of the third renaissance period is shown with the help of examples.

Keywords: Awakening, nationalism, value, humanity, peace, prosperity, development.

IONLI BOMBARDIROVKA QILIB ARALASHMALAR KIRITIB O'STIRILGAN PLYONKA VA QOPLAMALARNI TERMIK QIZDIRILGANDA ARALASHMALARNI AJRALIB CHIQISHI

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Qisqacha mazmuni: Hozirgi paytda, qattiq jismlar, xususan metallar sirtida va sirtiga yaqin sohalarda yuz beradigan jarayonlarni o'rganish maqsadida, turli xil metodlardan foydalanilmoqda. Fizika sohasida bunday metodlardan biri, bir metall materiali sirtiga gaz ionlari bilan bir paytda bombardirovka qilib, boshqa metall materialining plenka yoki qoplamasini o'stirish hisoblanadi. Bu metod bilan o'stirilgan plenka yoki qoplamalarda, hamda taglik materiali sirtiga yaqin bo'lgan

sohalarda, gaz ionlarining, plenka-taglik materialari atomlarining o'zaro aralashishi ro'y berib, qattiq qotishmali sistema hosil qilinadi. Bu esa, metall plenka-taglik sistemasida, yang fazalarni va ximiyaviy birikmalarni yuzaga kelishini bildiradi. Bu sistemaning parametrlari, plenka yoki taglik materiallarining parametrlarida farq qiladi. Metall plenka-taglik sistemasida ro'y bergan o'zgarishlarni o'rganish, spektrometriya va spektroskopiya metodlari bilan birga, termostimullashgan desorbtsiya (termodesorbtsiya), ya'ni metall plenka-taglik sistemasini termik qizdirish orqali, ulardan aralashmalarni qizdirish temperaturasiga bog'liqlik holda ajralib chiqish spektrlarini olish metodi bilan ham amalga oshiriladi. Ushbu ishda, argon gazi ionllari bilan bombardirovka qilib, tantal, molibden va volfram tagliklarda o'stirilgan kumush materialining plenka va qoplamalaridan, termik qizdirish natijasida, aralashmalarni ajralib chiqish jarayonlari o'rganilgan.

Kalit so'zlar:: Qattiq jismlar, metallar, atomlar, molekularlar, vakuum, ionlar, ionli bombardirovka, kirib borish, miqdor, sirt, sirtga yaqin soxalar, kristall panjara, fizikaviy, ximiyaviy, to'qnashish, kaskad, relaksatsiya, termik buq'latish, katod emirilish, plenka, taglik, plenka-taglik sistemasi, ko'p komponentali, energiya, oqim, ionlar toki zichligi, ionlar tipi, ionlar dozasi, aralashish, energiya almashinuvi, qattiq qotishma, struktura, kontsentratsiya, taqsimot, strukturaviy buzilishlar, uzal, defekt, radiatsion-stimullashgan diffuziya, rekombinatsiya, vakansiya, migratsiya, dislokatsiya, mexanikaviy kuchlanish, temperatura, kaskad vaqti, mikroqattiqlik, adgeziya, elektro'tkazuvchanlik, korroziya, issiqlik o'tkazuvchanlik.

Abstract: Currently, various methods are used to study the processes occurring on the surface of solids, in particular metals, and in areas close to the surface. In the field of physics, one such method is to grow a film or coating of another metallic material by simultaneously bombarding the surface of a metallic material with gas ions. In films or coatings grown by this method, as well as in the near-surface areas and the base material, the interaction of gas ions, atoms of the film-base material occurs and a carbide system is formed. This suggests that the formation of new phases and chemical compounds occurs in the metal-film-base system. It differs in system parameters, film parameters or base material. The study of changes occurring in the metal film-base system, along with the methods of spectrometry and spectroscopy, is carried out by the method of thermally stimulated desorption (thermodesorption), i.e. thermal heating of the metal film-base system to obtain decomposition spectra from them depending on the heating temperature of impurities. In this paper, the processes of the release of impurities from films and coatings of silvery material grown on tantalum, molybdenum and tungsten bases as a result of thermal heating bombarded with argon gas ions are studied.

Keywords and phrases: Solids, metals, atoms, molecules, vacuum, ions, ion bombardment, penetration, quantity, surface, near-surface region, crystal lattice, physical, chemical, collision, cascade, relaxation, thermal repulsion, cathode scattering, film, base, film-base system, multicomponent, energy, current, density ion current, ion type, ion dose, interference, energy exchange, hard alloy, structure, concentration, distribution, structural disorders, node, defect, radiation-stimulated diffusion, recombination. vacancy, migration, dislocation, mechanical stress, temperature, cascade time, micro rigidity, adhesion, electrical conductivity,

corrosion, thermal conductivity.

UCH O'LCHOVLI GALILEY FAZOSIDA SIRT INDIKATRITSA CHIZIG'I

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Qisqacha mazmuni: Ushbu ishda uch o'lchovli Galiley fazosi haqida tushuncha berilgan. Uch o'lchovli Galiley fazosidagi sirtni o'rganish uchun uni biror nuqtasini olib indikatrinsa chizig'ini yasaymiz. Indikatrinsa chizig'i yordamida sirtni berilgan nuqta atrofida o'rganishimiz mumkin.

Kalit so'zlar: Galiley fazosi, affin fazo, chiziq egriligi, sirt bosh egrililari, to'la egrilik, indikatrinsa chizig'i

Abstract: In this article is given the concept of Galileo's three-dimensional space. To study a surface in Galileo's three-dimensional space, we make an indicator line by taking its point. With the help of the indicator line, we can examine the surface around a given point.

Keywords: Galilean space, affine space, line curvature, head surface curvature, total curvature, indicatrix line.

UMUMTA'LIM MAKTABLARIDA O'QUVCHILARNING HAYOTIY KO'NIKMALARNI RIVOJLANTIRISH METODIKASI

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Qisqacha mazmuni: Bugungi kunda umumta'lim maktablarida o'quvchilarning hayotiy ko'nikmalarni shakllantirish juda yaxshi natijalarga olib kelishi ilmiy jihatdan asoslab berilgan. Ayniqsa, maktablarda tabiiy va ijtimoiy fanlarni o'qitishda mahalliy manbalardan foydalanish muhim ahamiyatga ega bo'lib bormoqda. Negaki, mahalliy manbalardan dars jarayonida foydalanish o'quvchilarda tabiiy va ijtimoiy fanlarning muayyan davriga nisbatan qiziqishini ortishiga, uning tasavvurlarini kengaytirishiga yordam beradi. Shu bilan birga o'quvchilarda ijodkorlik ruhiyatini o'stirishga ko'maklashadi. Ushbu maqolada umumta'lim maktablarida o'quvchilarning hayotiy ko'nikmalarni rivojlantirish metodikasi haqida nazariy ma'lumotlar yoritib berilgan.

Kalit so'zlar: Ta'lim, ijtimoiy fanlar, umumta'lim maktablari, fundamental fanlar, axborot, muammo, mukammallik, sistematik-tahlil, dasturlar, element, jahon urushi.

Аннотация: На сегодняшний день научно доказано, что формирование жизненных навыков учащихся в общеобразовательных школах приводит к очень хорошим результатам. В частности, становится важным использование местных ресурсов в преподавании естественных и социальных наук в школах.

Ведь использование местных источников в ходе урока помогает повысить интерес учащихся к определенному периоду естественных и общественных наук, расширить воображение. В то же время они способствуют развитию у учащихся духа творчества. В данной статье освещены сведения о методах развития жизненных навыков учащихся общеобразовательных школ.

Ключевые слова: Образование, общественные науки, общеобразовательная школа, фундаментальные науки, информация, проблема, полнота, систематический анализ, программы, стихия, мировая война.

KOMBINATORIKANI GEOMETRIYA FANIGA TADBIQLARI

Bozorov Suxrob Baxodirovich

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Qisqacha mazmuni: Ushbu maqolada matematikaning tadbiqu va matematika o'qitishning zamonaviy muammolari hozirgi kunda dolzarb bo'lgan masalalarning yechimlari keltirilgan bo'lib, kombinatorikani geometriya faniga tadbiquklari keltirilgan.

Kalit so'zlar: Nuqta, to'g'ri chiziq, kesma, nur, tekislik, aylana, vatar, diametr, yoy, tekislik qismlari, uchburchak, to'rtburchak, ko'pburchak, aylana, shar.

O'LCHOVLI FUNKSIYALAR FAZOSI UCHUN DUALLIK PRINSIPI

Jumagul Egamnazarova Xudoyorovna

Qo'ziboyeva Nozima Yoqibjon qizi

Toshkent kimyo-texnologiya instituti Yangiyer filiali

Annotatsiya: Ushbu ishda o'lchovli funksiyalar va ketma-ketliklarning Lebeg fazolari – fazolardagi va ketma-ketliklarning fazolardagi funksionallarning umumiy ko'rinishi aniqlanadi.

Kalit so'zlar: Lebeg fazolari, o'lchovli funksiya, funksional, qo'shma fazo, o'z-o'ziga qo'shma fazo, izomorf, F.Riss, Shteyngaus, N.Danfort, D.Gilbert.

YUQORI SINIF O'QUVCHILARIDA HAYOTIY KO'NIKMALARNI RIVOJLANTIRISHDA YORDAM BERADIGAN METODLAR

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Qisqacha mazmuni: O'quvchi masalani tahlil qila bilishi va sintez qilishga harakati to'g'ri yo'naltirilgan bo'lishi kerak. Ayniqsa tadbiquiy masalalarni hal qila bilishi muhim ahamiyat kasb etadi. Masalalarni o'rganishda induktiv usuldan foydalanib, oddiydan murakkabga tamon o'rgana borishga yo'naltirilgan bo'lishi

lozim. Mazkur maqoladaham o'quvchilarning hayotiy ko'nikmalarini oshirish hamda geometrik yasash usullarini o'rganish va ularni tadbiqiga bag'ishlangan.

Kalit so'zlar: Kibernetik, modellashtirish, grafik, malaka, ko'nikma, texnologiya, noan'anaviy mashg'ulot.

MASALALARDAGI ISBOTLASH - YECHISH DEGANIMI?

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Qisqacha mazmuni: *Maqolada, matematiklar orasida ko'plab bahs va munozaraga sabab bo'layotgan isbotlash va yechish masalasi muhokama qilingan.*

Kalit so'zlar: Masala, yechim, isbot, javob, tengsizlik, formula, almashtirish, noma'lum, mulohaza.

Abstract: In article the problem of the arisen dispute between concepts "decision" and "proof" is discussed.

Keywords: the Problem, an inequality, the decision, the proof, the answer, the formula, transformation, the unknown person, a reasoning.

BO'LAJAK BOSHLANG'ICH SINIF O'QITUVCHILARINI METODIK TAYYORGARLIGINI RIVOJLANTIRISH

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Qisqacha mazmuni: Ushbu maqolada bo'lajak boshlang'ich sinf o'qituvchilarini pedagogik faoliyatga tayyorlash va ularning metodik tayyorgarligini rivojlantirishda innovatsion yondashuvlarni amalga oshirish, xususan, o'quvchilarning mantiqiy va tanqidiy fikrlash qobiliyatlarini rivojlantirish, tafakkur qilish imkoniyatlarini faollashtirish, mulohaza qilish hamda to'g'ri qarorlar qabul qilishga xizmat qiluvchi innovatsion pedagogik kompetentsiya va nazariyalarni ishlab chiqish bo'yicha takliflar keltirilgan.

Kalit so'zlar: metod, innovatsiya, innovatsion yondashuv, tafakkur, mantiqiy, tanqidiy, komponenta, me'zon, pedagogik model, pedagogik kompetentsiya

Аннотация: В данной статье приведены предложения по подготовке будущих преподавателей начальных классов к педагогической деятельности и реализацию инновационных подходов в развитие их методической подготовки, в частности, по развитию логического и критического мышления учащихся, активизацию возможности мышления, развитию инновационных педагогических компетенций и теорий, служащих мышлению и принятию правильных решений.

Ключевые слова: метод, инновация, инновационный подход, мышление, логический, критический, компонента, критерий, педагогическая

модель, педагогическая компетенция

UMUMTA'LIM MUASSASALARIDA FIZIKA FANINI O'QITISHDA PEDAGO-SINERGETIK YONDASHISHNING O'RNİ

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Qisqacha mazmuni: ushbu maqolada, umumta'lim muassasalarida fizika fanini o'qitishda pedago-sinergetik yondashishda pedagogik tamoyillardan foydalanish va fizika ta'lim mazmunini sinergetik yondashish asosida ishlab chiqish bo'yicha tavsiyalar berilgan.

Kalit so'zlar: pedago-sinergetik, tamoyil, pedagogik mazmun, ilmiy bilim, o'quv bilimlar, metod, metodologiya, mantiq.

Abstract: in this article, recommendations are given on the use of pedagogical principles in the teaching of physics in general educational institutions in the pedagogical-synergistic approach and the development of the content of physics education based on the synergistic approach.

Keywords: pedagogical-synergistic, principle, pedagogical content, scientific knowledge, educational knowledge, method, methodology, logic.

TA'LIM TIZIMIDA STEAM TA'LIM MODULI VA UNING IMKONIYATLARI

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Qisqacha mazmuni: Bugungi kunda mamlakatimizda uzluksiz ta'limni takomillashtirish va uni yanada rivojlantirish borasida olimlarimiz ko'pgina salmoqli izlanishlar olib borilmoqda. STEAM texnologiyasi bugungi zamonaviy ta'limning porloq metodlaridan biri hisoblanadi. Ushbu texnologiyalarni turli fanlar doirasida qo'llash yuqori natija ko'rsatib kelmoqda. Mazkur maqolada ta'lim muassasalarida STEAM ta'lim moduli imkoniyatlarini bilish uni amalda qo'llash bo'yicha nazariy ma'lumotlar tahlil etilgan.

Kalit so'zlar: STEAM ta'limi, STEAM fanlar, modellashirish, model komponenti, fundamental fanlar, axborot, muammo, mukammallik, sistematik-tahlil, dasturlar, element, tarmoqli model.

Аннотация: Сегодня наши ученые проводят много важных исследований по совершенствованию непрерывного образования и его дальнейшему развитию в нашей стране. Технология STEAM сегодня является одним из ярких методов современного образования. Использование этих технологий в различных дисциплинах показывает высокие результаты. В данной статье анализируются теоретические данные по практическому применению учебного модуля STEAM в образовательных учреждениях.

Ключевые слова: STEM-образование, STEM-науки, моделирование, компонент модели, фундаментальные науки, информация, проблема, мастерство, системный анализ, программы, элемент, сетевая модель.

DEVELOPING STUDENTS' LOGICAL THINKING SKILLS IN MATH CLASSES

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Abstract: This article discusses the content of developing students' logical thinking skills in math classes and evaluates the effectiveness of the results obtained through experimental testing.

Keywords: logical thinking, ability, motivation, creativity, critical thinking, problem-solving.

Аннотация. В данной статье рассматривается содержание развития навыков логического мышления учащихся на уроках математики и оценивается эффективность результатов, полученных в ходе экспериментальной проверки.

Ключевые слова: логическое мышление, способности, мотивация, креативность, критическое мышление, решение проблем.

FUNKSIYANING KASR TARTIBLI HOSILASINI INTEGRAL YORDAMIDA O'RGATISH

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Rajabova Tillo Raxmonali qizi, Guliston davlat universiteti magistranti

Qisqacha mazmuni: funksiyaning kasr tartibli hosila tushunchasi funksiyaning kasr tartibli integrali asosida bayon etiladi.

Kalit so'zlar: funksiya, hosila, integral, kasr tartibli.

FIZIKA YO'NALISHI TALABALARI UCHUN INAVATSION USULDAGI OG'IRLIKNING MEXANIK TA'SIRIDAN ENERGIYA OLISHNI KENG DOIRADA O'RGANISH USULLARI

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Qisqacha mazmuni: Yurtimizning ijtimoiy-iqtisodiy, siyosiy, madaniy sohalarda bo'layotgan tezkor o'zgarishlar ta'lim tizimini ham tubdan isloh qilishni taqozo etmoqda, chunki mukammal ta'lim tizimi orqali respublikamizning kelajak intellektual imkoniyatlarini va uni gullab yashnashi hamda rivojlanishini belgilab beruvchi yoshlarni har tomonlama ijodkor, mustaqil faoliyat yuritadigan qilib tarbiyalashda hal qiluvchi rol o'ynaydi. Hozirgi zamonaviy bosqichda pedagogik dolzarb vazifalarga fan, texnika, ilg'or texnologiyalar yutuqlaridan foydalanish asosida shaxsni tarbiyalash, o'qitish va rivojlantirish maqsadlari, mazmuni, metodlari, vositalari va tashkiliy shakllarini ilmiy ta'minlash kiradi. Kadrlar tayyorlash sohasidagi davlat siyosati uzluksiz ta'lim tizimi orqali har tomonlama rivojlangan shaxs - fuqaroning tashkil topishini ko'zda tutadi. Bu ushbu ta'lim tizimida va kadrlar tayyorlashda ta'lim xizmatlarining iste'molchisi, buyurtmachisi sifatida va xuddi shunday ishlab chiqaruvchi sifatida ishtirok etadi.

Kalit so'zlar: Elektr energiyasi, elektotexnika, nanotexnologiya, mikro elektronika, inavatsion texnologiyalar, metodlari, vositalari

Abstract: The rapid changes taking place in the socio-economic, political and cultural spheres of our country require a fundamental reform of the education system, because through an excellent education system, the young people who determine the future intellectual potential of our republic and its flourishing and development are trained every day. It plays a decisive role in educating them to be creative and independent. At the current modern stage, the urgent pedagogical tasks include the scientific provision of the goals, content, methods, tools and organizational forms of education, training and development of a person based on the use of the achievements of science, technology, and advanced technologies. The state policy in the field of personnel training envisages the creation of a comprehensively developed person - a citizen through the continuous education system. It participates in this educational system and personnel training as a consumer, customer of educational services and as a producer.

Keywords: Electric energy, electrical engineering, nanotechnology, microelectronics, innovative technologies, methods, tools

К ПРИБЛИЖЕННОМУ РЕШЕНИЮ ОДНОЙ ЗАДАЧИ ТЕОРИИ ФИЛЬТРАЦИИ МЕТОДОМ КВАЗИСТАЦИОНАРНОГО ПРИБЛИЖЕНИЯ

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Аннотация: В работе рассматривается задача нестационарной фильтрации, которая в последующем моделируется в виде краевой задачи с неизвестной подвижной границей раздела. Доказывается существование и единственность решения поставленной задачи в малом.

Ключевые слова: фильтрация, испарение, граница раздела, квазистационарное приближение, производная Фреше, интегральное

уравнение Вольтера, существование и единственность решения.

ASYMPTOTIC NORMALIZATION COEFFICIENT FOR FOR ${}^6\text{Li}+n\rightarrow{}^7\text{Li}$

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Abstract: The values of the asymptotic normalization coefficients for ${}^6\text{Li}+p\rightarrow{}^7\text{Be}$ were determined from the transfer reaction ${}^6\text{Li}({}^3\text{He},d){}^7\text{Be}$. Using the mirror symmetry, the values of the asymptotic normalization coefficients for ${}^6\text{Li}+n\rightarrow{}^7\text{Li}$ were extracted. The contribution of the three body Coulomb dynamics of the transfer mechanism to the partial wave amplitudes at for the peripheral neutron-transfer reaction ${}^7\text{Li}(d,t){}^6\text{Li}$ has been estimated within the three-body approach combining the dispersion method and DWBA approach. For this reaction, the Coulomb renormalization factor (CRF), arising owing to correctly taking into account the three-body Coulomb dynamics of the neutron-transfer mechanism in the DWBA cross section, has been calculated. A new estimate has been obtained for the values of the asymptotic normalization coefficient for ${}^6\text{Li}+n\rightarrow{}^7\text{Li}$.

Keywords: Differential cross section, Asimptotic normalization coefficient, Distorted wave Born approximation method

Qisqacha mazmuni: ${}^6\text{Li}+p\rightarrow{}^7\text{Be}$ uchun asymptotic normirovka koeffitsiyenti ${}^6\text{Li}({}^3\text{He},d){}^7\text{Be}$ uzatish reaksiyasi dan aniqlandi. Ko'zgu simmetriyasidan foydalanib, ${}^6\text{Li}+n\rightarrow{}^7\text{Li}$ uchun asimptotik normirovka koeffitsiyentining qiymati topildi. Periferik neytron uzatish reaksiyasi ${}^7\text{Li}(d,t){}^6\text{Li}$ uchun da parsial to'liqin amplitudalariga uzatish mexanizmining uch zarrali Kulon dinamikasining hissasi Buzilgan to'liqin usuli va dispersiya usulini birlashtirgan uch zarrali yondashuv doirasida baholandi. Ushbu reaksiya uchun DWBA kesimda neytron uzatish mexanizmining uch zarrali Kulon dinamikasini to'g'ri hisobga olish natijasida yuzaga keladigan Kulon renormalizatsiya koeffitsienti (KRRK) hisoblab chiqilgan. ${}^6\text{Li}+n\rightarrow{}^7\text{Li}$ uchun asimptotik normalash koeffitsienti qiymatlari uchun yangi baho olindi.

Kalit so'zlar: Differensial kesim, asymptotic normalash koeffitsiyenti, Buzilgan to'liqin Born yaqinlashish usuli

“HAYRATLI” FUNKSIYALAR

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Abstract: In mathematics, there are interesting, surprising formulas and assertions. This article describes such amazing numbers, functions and verification information about them. The information provided below can be widely used by educational institutions (including teaching mathematics at school, vocational colleges, academic lyceums). The information presented invites students (and even teachers) to make scientific discoveries in science and to apply them.

Keywords: Amazing numbers, amazing functions, formula, property, equality,

degree.

Qisqacha mazmuni: Matematikada qiziqarli, hayratlanarli formulalar va tasdiqlar uchraydi. Ushbu maqolada shunday hayratlanarli sonlar, funksiyalar va ularga doir tasdiqlar malumotlar bayon etilgan. Biz quyida bayon qilinadigan malumotlardan o'quv muassalarga (jumladan maktabda matematika o'qitishda, kasb-hunar kollejlarda, akademik litseylarda) keng foydalanishlari mumkin. Bayon qilinadigan ma'lumotlar o'quvchining (xatto o'qituvchilarning) fanda ilmiy kashfiyot qilishlariga va uni tadbqiq qilishga chorlaydi.

Kalit so'zlar: Hayratli sonlar, hayratli funksiyalar, formula, xossa, tenglik, daraja.

SEPARATING A FINITE SYSTEM OF POINTS FROM EACH OTHER IN REAIEUCLIDEAN SPACE

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Abstract: In a number of applied problems, points of a simplex are considered as states of some biological (physical, economic, etc.) systems. The transition from one state to another is specified by an evolutionary operator, which can be a differential equation (with or without memory) or a difference equation. Depending on the parameters, the evolution of the system can occur only on some hyperplane intersecting the simplex. In this case, the problem arises of determining the form of the receiving polyhedron.

Qisqacha mazmuni: Bir qator amaliy masalalarda simpleks nuqtalari ayrim biologik (fizik, iqtisodiy va boshqalar) tizimlarning holati sifatida qaraladi. Bir holatdan ikkinchi holatga o'tish evolyutsion operator tomonidan belgilanadi, bu differentsial tenglama (xotirali yoki xotirasiz) yoki farq tenglamasi bo'lishi mumkin. Parametrlarga qarab, tizimning evolyutsiyasi faqat simpleksni kesib o'tuvchi ba'zi bir giperplanda sodir bo'lishi mumkin. Bunday holda, qabul qiluvchi ko'pburchak shaklini aniqlash muammosi paydo bo'ladi.

FUNKSIYANING QAVARIQ VA BOTIQLIGI MAVZUSINI MODULLI TEXNOLOGIYA TAMOYILLARI ASOSIDA LOYIHALAB O'QITISH

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Qisqacha mazmuni: Maqolada, pedagogik texnologiya va modulli o'qitish tamoyillari asosida "Funksiyaning qavariq va botiqligi" mavzusini loyihalarini tuzish va shu asosida uni o'qitish metodikasiga bag'ishlangan bo'lib, unda, mavzuning dolzarbligi, masalaning qo'yilishi va uning echimi, pedagogik texnologiya kecha yoki bugun paydo bo'lgan voqeqlik emasligi, balki har bir tarixiy davrning ta'lim-tarbiya berish usullari, o'z pedagogik texnologiyasi bo'lganligi, unga nisbatan buyuk allomalarimizningbu sohada fikrlari, ular insonning ma'naviy va moddiy ehtiyojlari oshib borgan sayin rivojlanib borganligi hamda har bir moduldan ko'zlangan

maqsadlar, modullari ichidagi tayanch tushunchalar va ular asosida tuzilgan nazorat savollariva shular asosida tuzilgan test berilgan. Shuningdek ular umumlashtirilib “Funksiyaning qavariq va botiqligi mavzusini loyihalab o‘qitish” mavzusining loyihalarini ishlab chiqishga bag‘ishlangan.

Kalit so‘zlar: pedagogik texnologiya, zamonaviy ta’lim texnologiyalari, loyihalab o‘qitish, metodika, modulli o‘qitish, modulli o‘qitish tamoyillari, matematik analiz elementlari, tayanch tushunchalar, matematik tushuncha

YARIM SILINDR SHAKLIDAGI SHAFFOF POLIETILEN PLYONKA TO‘SIQLI QUYOSH ISSIQXONA- QURUTGICHINING TEMPERATURA REJIMINI HISOBLASH

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Qisqacha mazmuni: Xo‘jaliklar uchun mo‘ljallangan, konstruktiv va issiqlik – texnikaviy parametrlari optimallashtirilgan yarim tsilindr shaklidagi plyonkali shaffof to‘siqli gelioissiqxona - quritgichning tajribada nusxasini yaratish va ulardagi haroratni kuzatish usuli bayon etilgan.

Kalit so‘zlari: yarim tsilindr, plienka, shaffof, to‘siq, quyosh issiqxona – quritgichi.

UMUMTALIM MAKTAB FIZIKA KURSINI O‘QITISHDA METODOLOGIK MASALALARINI ROLI

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Qisqacha mazmuni: Ushbu maqolada o‘quv predmeti mantiqini zamonaviy ilmiy tasavvurlar, tushunchalar, nazariya va bilish metodlariga hamda zamonaviy fikrlash uslubiga mosligi to‘g‘risida so‘z yuritilgan.

Kalit so‘zlar: ilmiy bilim, o‘quv bilimlar, metod, metodologiya, mantiq.

Abstract: This article talks about the compatibility of the logic of the educational subject with modern scientific ideas, concepts, theory and knowledge methods, as well as with the modern way of thinking.

Keywords: scientific knowledge, educational knowledge, method, methodology, logic.

MODIFICATION OF THE STRUCTURE AND SURFACE PROPERTIES OF MONOCRYSTALS OF Si BY HIGH-DOSE IMPLANTATION OF Ba⁺ IONS AND ALKALINE ELEMENTS

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I.R. Bekpulatov, Tashkent state technical university, professor,

N.E. Norbutayev, *Gulistan state university, PhD student*

Abstract: In the method of Auger electron spectroscopy forming silicide films investigated Li, Na, K, Cs, Rb, Ba during implantation of metal ions of different energy and irradiation dose in the silicon monocrystal. It is shown that as a result of this ion implantation and subsequent annealing in the surface region of Si film formed following silicides: LiSi, KSi, RbSi, CsSi, NaSi and BaSi. The thickness of the silicide film increases with the weight of implanted ions and a fixed ion energy, it also increases with increasing dose approximately as $2 \cdot D^{1/2}$.

Keywords: intensity, single-crystal, thermoelectric converters, active elements, implantation, spectroscopy, low-energy, irradiation doses, silicon monocrystal, silicide films. In recent years, the scientific interest in methods of obtaining single-crystal silicide films and studying their properties has increased.

INTERDISCIPLINARY APPROACH IN IMPROVING LOGICAL COMPETENCE OF FUTURE PHYSICS TEACHERS

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Abstract: Interdisciplinary approach , different of fields organize in being done used one research method is considered To this method discussion , presentation , reading and to write training , usually different of applications mutually connection , knowledge of indicators sum such as different in forms belongs to to be can . of this method purpose , hypothetical one issue solution in doing or again one research using comparative analysis to do and to solve reach for one how many systems of science is to use . Such method , different of applications to each other effect to understand and different of applications to merge provide is also used for the purpose of

Keywords: Interdisciplinary approach , discussion , presentation , competence, science.

SEASONAL HEATING CAPACITY AND THERMAL EFFICIENCY OF FLAT SOLAR WATER HEATING COLLECTORS MADE OF TRANSLUCENT PLASTICS WITH BOTTOM ABSORPTION OF RADIATION

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Abstract: The article presents a method for processing the results of experimental studies of the daily amount of useful heat accumulated in a capacious receiver of flat solar water heating collectors with bottom absorption of solar radiation and insulated with flat bases. The calculated expression and the results of comparative experimental studies in full-scale conditions of the temperature regime and thermal efficiency of the above solar collectors located horizontally in

the meridional direction along the cardinal directions, i.e. the long axis of the flat base of the collectors is directed from east to west.

As is known, the methods of thermal testing of solar collectors with flow-through radiation receivers, due to their low inertia compared to collectors with capacious receivers, are not acceptable for their testing.

Due to the fact that it is useful in a solar collector with capacious receivers-absorbed and converted into low potential heat from solar energy radiation accumulates during daylight hours. To process the measurement results of the main experimental data, we have improved and applied an integral method based on the use of average daily (or averaged over a certain period of daylight) values of the measured parameters and the corresponding thermal characteristics.

Keywords: seasonal heating capacity, thermal efficiency, capacitive solar radiation absorber, bottom absorption beam

DEVELOPING LOGICAL COMPETENCE OF PRIMARY SCHOOL TEACHERS IN THE EDUCATION PROCESS.

Bakhriddin OLIMOV,

Doctoral students of Gulistan State University

Abstract: This article discusses the development of logical competence of primary school teachers in the education process, and presents the content and effectiveness of the experience gained through trial and experimentation. Keywords include: individual, innovation, pedagogical competence, ability, creativity, critical thinking, problem solving.

Keywords: individual, innovation, pedagogical competence, ability, creativity, critical thinking, problem solving.

Аннотация. В данной статье рассматривается развитие логической компетентности учителей начальных классов в образовательном процессе, а также представлено содержание и эффективность опыта, полученного путем проб и экспериментирования. Ключевые слова: личность, инновация, педагогическая компетентность, способности, креативность, критическое мышление, решение проблем.

Ключевые слова: личность, инновация, педагогическая компетентность, способности, креативность, критическое мышление, решение проблем.

BAZI KECHIKUVCHI ARGUMENTLI XUSUSIY HOSILALI TENGLAMA UCHUN ARALASH MASALA

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Qisqacha mazmuni: Ishda bazi kechikuvchi argumentli xususiy hosilali tenglama uchun qo'yilgan aralash masalaning yechish algoritmi ko'rsatilgan va chekli ayirmali usulda sonli yechimlarini topish masalasi hal etilgan.

Abstract: The work shows the algorithm for solving the mixed problem set for the particular derivative equation with some delay arguments, and solves the

problem of finding numerical solutions using the finite difference method.

QUYOSH-BIOENERGIYADAN FOYDALANIB ISSIQ SUV CHUVITGICH QURILMASIDAGI ISSIQLIK VA FIZIKAVIY JARAYONNI NAZARIY TADQIQ QILISH

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Qisqacha mazmuni: Ma'lumki, insoniyat turmush tarzini hamda fan va texnika, ishlab chiqarishning mavjud butun sohalarini energe-tikasiz, energiya manbalarisiz tasavvur etib bo'lmaydi. Ushbu keltirilgan maqolada quyosh-bioenergiyadan foydalanib issiq suv chuvitgich qurilmasidagi issiqlik va fizikaviy jarayonni nazariy tadqiq qilish imkoniyatlari o'rganilgan. Shuningdek, quyosh energiyasini elektr energiyasiga aylantirishning fizik-texnologik asoslarini o'qitishga doir bir qator amaliy tavsiyalar berilgan.

Kalit so'zlar: Fotoeffekt, energetika, muqobil energiya, quyosh energiyasi, geotermal energiya, konstruktsiya, generator, fotoelektrik qurilma.

QUYOSH RADIATSIYASI VA SHAMOL ENERGIASINI ELEKTR ENERGIYASIGA AYLANTIRISHNING FIZIK-TEXNOLOGIK ASOSLANISHI

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Qisqacha mazmuni: Ma'lumki, insoniyat turmush tarzini hamda fan va texnika, ishlab chiqarishning mavjud butun sohalarini energe-tikasiz, energiya manbalarisiz tasavvur etib bo'lmaydi. Maqolada quyosh radiatsiyasi va shamol energiasini elektr energiyasiga aylantirishning fizik-texnologik asoslarini shakllantirish shakllantirish imkoniyatlari o'rganilgan. Shuningdek, quyosh energiyasini elektr energiyasiga aylantirishning fizik-texnologik asoslarini o'qitishga doir bir qator metodik tavsiyalar berilgan.

Kalit so'zlar: Fotoeffekt, energetika, muqobil energiya, quyosh energiyasi, geotermal energiya, konstruktsiya, generator, fotoelektrik qurilma.

ELEKTROMAGNIT TO'LQINLAR MAVZUSINI MA'RUZA MASHG'ULOTI DARSIDA INTELLEKT-XARITA TEXNOLOGIYASINI QO'LLASH

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Qisqacha mazmuni: Maqolada Intellect-xarita uslubining asosiy ishlash mexanizmi haqida ma'lumotlar keltirilgan. Shuningdek, "Elektromagnit to'lqinlar mavzusini ma'ruza mashg'uloti darsida intellekt-xarita texnologiyasini qo'llash" uslubiyatlaridan foydalana olish metodlari keltirilgan. Keltirilgan intellekt xarita

nafaqat ma'lumotlarni jamlabgina qolmasdan, talabalarda elektromagnit to'liqlar chiqaruvchi asboblardan foydalanish madaniyati shakllanishida va ularning "tasavvur" qilish, "ijodiy fikrlash" ko'nikmalarining rivojlanishiga ham yordam beradi.

Kalit so'zlar: Mindmaps, mayndmep, neyronlar, analitik qobiliyat, motivatsiya, idrok etish, elektr maydoni, magnit maydoni, elektromagnit to'liqin, yorug'lik, chastota, to'liqin uzunligi, infraqizil, ultrabinafsha, nurlar, intellekt xarita, tasavvur.

Abstract: The article provides information about the main working mechanism of the Intellect-map method. Also, the methods of using the methods of "Using intelligence-map technology in the lecture training class on the topic of electromagnetic waves" are presented. The mentioned intelligence map not only collects data, but also helps in the formation of the culture of using electromagnetic wave devices among students and the development of their "imagination" and "creative thinking" skills.

Keywords: Mindmaps, mindmap, neurons, analytical ability, motivation, perception, electric field, magnetic field, electromagnetic wave, light, frequency, wavelength, infrared, ultraviolet, rays, intelligence map, imagination

ОБУЧЕНИЕ ФИЗИКЕ В ОБЩЕОБРАЗОВАТЕЛЬНЫХ ШКОЛАХ НА ОСНОВЕ ИНТЕГРАЦИИ ИНТЕРАКТИВНЫХ МЕТОДОВ

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Аннотация: В данной статье представлена информация о принципах применения интерактивных методов к соответствующим предметам при обучении физике. Главное, чтобы на уроке была представлена информация о том, что применение методов на интегрированной основе дает отличные результаты, заставляет учащихся мыслить самостоятельно логически.

Ключевые слова: интеграция, интерактивность, логическое мышление, самостоятельное творчество, знание, умение, квалификация, сочинение, компетенция.

KVANT MEKANIKASIDA VODOROD MOLEKULASI MAVZUSINI O'QITISHDA INTERDISTSIPLINAR TA'LIM PRINTSIPIDAN FOYDALANISH ASOSIDA TALABALAR FAOLLIGINI OSHIRISH.

Samatov G'ulom Bazarbaevich, *f.-m.f.n., dotsent Guliston davlat universiteti*

Abstract: In the article, the use of the principle of interdisciplinary education in the teaching of quantum mechanics in the field of physics undergraduate education is described as an example of the connection with higher mathematics and chemistry.

Keywords: Interdisciplinary education, Quantum mechanics, hydrogen molecule, Hamiltonian operator, Schrödinger equation, mathematical physics

equations, wave function

UCH KARRALI INTEGRALLARNING MEXANIKAGA TADBIQLARI

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Qisqacha mazmuni: Uch karrali integral ostidagi funksiyalar chegaralanmagan va bu integrallarni xosmas ekanligini va mavjudligi haqida, uch karrali integrallarning mexanikaga tadbiqlariga doir ba'zi bir misollar ko'rib o'tilgan.

Kalit so'zlar: integral, fazo, jism, sirt, hajm, mexanika, geometriya.

ZOVURLARNI TOZALASHNI OPTIMAL MATEMATIK MODELINI YARATISH

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Ummatqulov Ilhom Ikrom o'g'li, *GulDU talabasi*

Qisqacha mazmuni: Sirdaryo viloyatida olib borilayotgan agrar siyosat, zovurlarni o'z vaqtida va sifatli tozalashni, ekin maydonlarini sho'rlanishini oldini olish va xarajatlarni minimallashtirishga yo'naltirilgan. Viloyat ekin maydonlarining hosildorligi yerlarning sho'rlanganlik darajasi bilan uzviy bog'liq.

Kalit so'zlar: Viloyat zovurlari, Zovrlarni tozalashni optimal yo'li, transport masalasi, dasturiy taminot, agrar siyosat, raqamli texnologiya.

Аннотация: Аграрная политика в Сырдарьинской области, своевременная и качественная очистка канав, он направлен на предотвращение засоления посевных площадей и минимизацию затрат. Урожайность пахотных земель области неразрывно связана со степенью засоленности земель.

Ключевые слова: Провинциальные каналы, Оптимальный способ очистки сточных вод, транспортный вопрос, программное обеспечение, аграрная политика, цифровые технологии.

ХАЛҚАНИНГ ОДДИЙ ТРАНСЦЕНДЕНТ КЕНГАЙТМАСИ

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Қисқача мазмуни: халқага нисбатан трансцендент элемент орқали берилган халқанинг оддий ва трансцендент кенгайтмасини мавжудлиги, трансцендент халқаларнинг ўзаро изоморфлиги ҳар қандай нольмас коммутатив халқа учун оддий трансцендент кўпайтма мавжудлиги орқали кўрсатилган.

Калит сўзлар: трансцендент, кенгайтма, коммутатив, изоморфизм, айний акслантириш, сюръектив акслантириш, бинар амал, коммутатив ҳалқа.

Abstract: the existence of a simple and transcendental extension of a ring given by a transcendental element with respect to a ring, the mutual isomorphism of transcendental rings is shown by the existence of a simple transcendental product for any infinite commutative ring.

Keywords: transcendent, extension, commutative, isomorphism, exact reflection, surjective reflection, binary operation, commutative ring.

РЕШЕНИЕ ЗАДАЧИ О ПРИТОКЕ К СОВЕРШЕННОМУ ГОРИЗОНТАЛЬНОМУ ДРЕНАЖУ

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Аннотация: Задачу о притоке к систематическому дренажу сведется краевой задаче с неизвестной границей для уравнения Буссинеска (теплопроводности) с кусочно–постоянным коэффициентом, которая исследуется методом Колоднера.

Ключевые слова: совершенные дрены, критической уровень, уравнения Буссинеска, неизвестная граница раздела, ордината свободной поверхности, функция Грина, функция Якоби, метод Колоднера, уравнение Вольтерра.

ОБ АВТОМОДЕЛЬНОМ РЕШЕНИИ ЗАДАЧИ НЕСТАЦИОНАРНОГО ДВИЖЕНИЯ ГРУНТОВЫХ ВОД ВБЛИЗИ ВОДОХРАНИЛИЩА ПРИ НАЛИЧИИ ИСПАРЕНИЯ

Жамуратов Кенгаш, Гайибназаров Хабибулла Рахматуллаевич, Хамидов Достон Хожиакбарович

Гулистанский государственный университет

Аннотация: Исследована задача фильтрации вблизи новых каналов и водохранилищ с учетом испарения. Для одного случая зависимости испаряемости от времени найдено автомодельное решение задачи с неизвестной границей, позволяющее сделать определенные качественные выводы и которое можно использовать в качестве теста.

Ключевые слова: автомодельное решение, нестационарное движение, грунтовые воды, испарение, нелинейное испарение, коэффициент водоотдачи, коэффициент фильтрации, уравнение Буссинеска, неизвестная граница.

OLİY TA'LIM MUASSALARIDA FIZIKA FANINI INTEGRATIV YONDASHUV ASOSIDA TA'LIM JARAYONINI TASHKIL QILISHNING PEDAGOGIK ASOSLARI

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Qisqacha mazmuni: Mazkur maqolada, oliy ta'lim muassalarida fizika fanini integrativ yondashuv asosida o'qitish prinsplarini ishlab chiqish va shu prinsplar asosida oliy ta'lim muassalarida fizika fanini integrativ yondashish usullaridan foydalanishning pedagogik imkoniyatlari keltirilgan.

Kalit so'zlar: Integrativ yondashuv, umumlashuv tendensiya, aqliy faoliyat, integratsiya.

Аннотация: В данной статье представлены педагогические возможности разработки принципов обучения физике на основе интегративного подхода в вузах и использование методов интегративного подхода к физике в вузах на основе этих принципов.

Ключевые слова: Интеративный подход, тенденция к обобщению, мыслительная деятельность, интерация.

OLİY TA'LIMDA FIZIKA YO'NALISHI TALABALARI UCHUN FANLARARO ALOQADORLIKNI AMALGA OSHIRISHNING PSIXOLOGIK VA PEDAGOGIK ASOSLARI

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Annotatsiya: Fizika ta'limini boshqa fanlar bilan aloqadorlikni amalga oshirish natijasida yangi bilim yoki yangi umumlashgan mahorat shakllanadi. Natijada fanlarni o'zaro muvofiqlashtirish talabalarning bilish faoliyatini faollashishi va rivojlanishi, o'quv jarayonini optimallashtirishga yordam beradi. Shuning uchun, fanlararo aloqadorlik psixik funksiyalarning tizimligi haqidagi fiziologik va psixologik ma'lumotlarga asoslanadi.

Fanlararo aloqadorlik o'qitish jarayonida ta'limiy, tarbiyaviy va rivojlantiruvchi funksiyalarning yagonaligi hamda o'zaro aloqadorligini aks ettiradi. Uning o'quv jarayonida amalga oshirilishi majmuaviy xususiyatga egadir. Shunga ko'ra, umumkasbiy va mutaxassislik fanlarining fanlararo aloqadorligi bu fanlarni o'rganishda o'qitishning mazmunini saralab olish usul, shakl va vositalarini tanlab olishda majmuaviy yondashuvni talab qiladi.

Kalit so'zlar: optimallashtirish, didaktik funksiyalar, integratsiya, ilmiy bilimlar differentsiatsiyasi, integrativ yondashuv, motivatsiya, psixologik

qonuniyatlar.

Аннотация: В результате соединения физического образования с другими предметами формируются новые знания или новые обобщенные умения. В результате взаимная координация предметов способствует активизации и развитию познавательной деятельности учащихся и оптимизации учебного процесса. Поэтому междисциплинарная связь основывается на физиологических и психологических сведениях о системности психических функций.

Междисциплинарность отражает единство и развивающей функций в учебном процессе. Его реализация в образовательном процессе носит коллективный характер. Соответственно междисциплинарность общепрофессиональных и специальных предметов требует комплексного подхода к выбору методов, форм и средств отбора содержания обучения при изучении этих предметов.

Ключевые слова: оптимизация, дидактические функции, интеграция, дифференциация научных знаний, комплексный подход, мотивация, психологические законы.

XALQARO BAHOLASH ME'ZONLARI ASOSIDA TA'LIM JARAYONINI TASHKIL QILISH TEXNOLOGIYASI

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Guliston davlat universiteti, pedagogika fanlari bo'yicha falsafa doktori, dotsent, Axborot texnologiyalari fakulteti dekani,

Qisqacha mazmuni: Ushbu maqolada, xalqaro baholash mezonlari asosida ta'lim jarayonini tashkil qilish muammolari, unga qo'yiladigan asosiy pedagogik va psixologik talablar hamda xalqaro baholash me'zonlarini belgilash va shu me'zonlar asosida yangi zamonaviy o'quv adabiyotlari yaratish bo'yicha tavsiyalar berilgan.

Kalit so'zlar: Matematik savodxonlik, ijodkorlik, kreativlik, faktor(omil), TIMS, PISA, OESD, kasbiy omil, shaxsiy omil, ijtimoiy omil.

Abstract: In this article, the problems of organizing the educational process based on international assessment criteria, the main pedagogical and psychological requirements for it, as well as recommendations on setting international assessment criteria and creating new modern educational literature based on these criteria are presented.

Keywords: Mathematical literacy, creativity, creativity, factor(s), TIMS, PISA, OESD, professional factor, personal factor, social factor.

AKADEMIK LITSEYLARDA "KVANT FIZIKASINI" INTERDISIPLINAR BOG'LANISH PRINSIPINING METODOLOGIK ASOSLARI

Sattarkulov Komil Raxmatovich

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Qisqacha mazmuni: maqolada, o'quvchilarni mehnatga va kasbga yo'naltirishni amalga oshirishda, interdisiplinar bog'lanishni turli fanlar orasida

amalg'a oshirish, istiqbolli bilimlarni qo'llash, Akademik litseylarda interdisiplinar bog'lanish asosida Fizika, Kimyo, Biologiya fanlarini o'qitishning metodologik asoslarining tarbiyaviy, ta'limiy jihatlari keltirilgan.

Kalit so'zlar: deterministik, izchillik, spektral chiziqlar, moslik, chiziqli spektr, klassik nazariya, proton, neytron, gen, materiya.

ЗАДАЧА ПОИСКА НА ГРАФАХ ПРИ НАЛИЧИИ ОГРАНИЧЕННОЙ ИНФОРМАЦИИ ОБ ИСКОМОЙ ТОЧКЕ

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Аннотация: В работе изучается задача поиска на конечных графах при ограниченной информации об искомой точке. Для учета объема информации, поступающей в распоряжение ищущей точки, вводится понятие информационного множества. Излагаются теоремы о разрешимости задачи поиска, лежащие в основе общей теории.

Ключевые слова: граф, ребро, вершина, инвариантность, информированность, подобие, существование верхней и нижней оценки.

MAKTAB FIZIKA KURSINI O'QITISHDA ILMIIY VA O'QUV BILISHLAR MUNOSABATINING PSIXOLOGIK VA PEDAGOGIK JIHATLARI.

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Qisqacha mazmuni: Ilmiy bilimlarni o'quvga aylantirishda psixologik –pedagogik jihatlarning farqlarini ochib berish uchun uchta invariantlik taklif qilingan bo'lib, unda predmet mantiqi va fan mantiqining va ularning o'zaro farqlarining munosabatlari yoritib berilgan.

Kalit so'zlar: ilmiy bilim, metod, metodologiya, mantiq, gnoseologik.

Abstract: In order to reveal the differences of psychological-pedagogical aspects in the transformation of scientific knowledge into education, three invariances were proposed, in which the relations of the logic of the subject and the logic of science and their mutual differences were highlighted.

Keywords: scientific knowledge, method, methodology, logic, epistemological.

ИССЛЕДОВАНИЕ НЕКОТОРЫХ ЭЛЕКТРОФИЗИЧЕСКИХ СВОЙСТВ ТВЕРДОГО РАСТВОРА (GaAs)_{1-x}(ZnSe)_x, ВЫРАЩЕННОГО ИЗ ОЛОВЯННОГО РАСТВОРА РАСПЛАВА

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Аннотация: Получен эпитаксиальный слой варизонного твердого раствора (GaAs)_{1-x}(ZnSe)_x, 0 < x < 0,80 из оловянного раствора-расплава,

ограниченного горизонтально расположенными подложками GaAs. Изучен состав и однородность твердого раствора. Приведены некоторые электрофизические параметры. Исследована влияние гамма-облучения на вольтамперные характеристики nGaAs-p(GaAs)_{1-x}(ZnSe)_x структур. Показано, что при дозах облучения до 10⁴ рад вольтамперная характеристика исследованных структур улучшается, которое объясняется уменьшением концентрации активно работающих рекомбинационных центров за счет возникновения дефект-примесных комплексов.

Ключевые слова: эпитаксия, твердый раствор, галлий, селен, синтез, жидкая фаза, концентрация

UMUMTA'LIM MAKTABLARI VA AKADEMIK LITSEYLARDA INTERDISIPLINAR BOG'LANISH PRINSIPINING DIDAKTIK JIHATLARI

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Abstract: in the article, the concept of systemicity is understood as objectively existing connections related to the development of nature, society and thinking and their development, the development of these processes both in the theory of training, education and development in didactics, and its features. place in solving this problem, the internal connections of the knowledge gained by students, their systematization and recommendations for use in education and marriage are presented.

Keywords: methodological, objective, consistent, complex, general pedagogical, social and humanitarian, classical theory, natural science, matter.

Qisqacha mazmuni: maqolada, izchillik tushunchasi tabiat, jamiyat va tafakkurning rivojlanishiga taalluqli obyektiv mavjud bog'lanishlar va ularning rivojlanishi, didaktikada o'qitish, tarbiyalash va rivojlantirish nazariyasi sifatida ushbu jarayonlarning rivojlanishini hamda, ushbu muammoni hal qilishda alohida o'rin tutishi, o'quvchilar egallagan bilimlarning ichki bog'lanishlarini, ularni tizimlashtirishga hamda o'qitishda va turmushda qo'llash tavsirlari keltirilgan.

Kalit so'zlar: uslubiy, ob'ektiv, izchil, murakkab, umumiy pedagogik, ijtimoiy-gumanitar, klassik nazariya, tabiatshunoslik, materiya.

SIMMETRIK ORLICH FAZOLARI

Xabibulla Umarov, Shaxnoza Xidirova, Nazokat Raxmatullaeva

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Qisqacha mazmuni: Ushbu ish qavariq funktsiya bilan integrallanuvchi, ya'ni integrali chekli bo'lgan funktsiyalardan tuzilgan Orlich fazolari ni o'rganishga bag'ishlangan.

Kalit so'zlar: umumlashmasi, Orlich fazolari, V.Orlich, Z.Birbaum, Banax fazolari, integrallanuvchi funktsiyalar sinfi, Orlich normasi.

PROFESIONAL TA'LIM TASHKILOTLARIDA FIZIKA FANNIING MEXANIKA BO'LIMINI IZCHILLIK PRINSIPI ASOSIDA O'QITISH

Urazbakov Alijon Djurabayevich

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Qisqacha mazmuni: Ushbu O'quvchilar bilimidagi tizimiylikning ilmiy bilishning umumiy metodlari bilan bog'lanishini taqqoslab, L.Y.Zorina shunday deydi:

ЭКСТРЕМАЛЬНЫЕ ЗАДАЧИ НА ГРАФАХ

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Аннотация: В статье предложены основные факты, касающиеся экстремальных задач теории графов, приведены основные теоремы с доказательствами. Показана достижимость оптимальных решений этих задач в рамках фрагментарной модели. Предложены приближенные алгоритмы поиска решений методом Прима.

Ключевые слова: Независимые множества, клики, вершинные покрытия, паросочетания, оптимальные каркасы, алгоритм Прима.

Abstract: The article proposes the main facts concerning extremal problems of graph theory, gives the main theorems with proofs. The attainability of optimal solutions to these problems within the framework of a fragmentary model is shown. Approximate algorithms for finding solutions by the Prim method are proposed.

Keywords: Independent sets, cliques, vertex covers, matchings, optimal skeletons, Prim's algorithm.

GEOMETRIYA FANINI MUSTAQIL O'RGANISHDA ZAMONAVIY MUAMMOLAR VA ULARNING YECHIMLARI

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Qisqacha mazmuni: Maqolada oliy ta'lim tashkiloti talabalarining geometriya fanini "umumiy topologiya" bo'limi o'quv mashg'ulotlarini mustaqil o'zlashtirishlarida zamonaviy muammolar va ularning yechimlari bo'yicha qisqacha tavsiyalar berib o'tildi.

Kalit so'zlar: Mustaqil ta'lim, zamonaviy pedagogik texnologiya, axborot, ilmiy va ijodiy izlanishlar, ilmiy natija.

BO'LG'USI MATEMATIKA O'QITUVCHILARINING MATEMATIK KOMPETENSIYALARI VA ULARGA MOS TASHXISLOVCHI MASALALAR TIZIMI HAQIDA

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Rajabov Ulug'bek Tuychiyevich, *Nizomiy nomidagi TDPU*

Qisqacha mazmuni: Maqolada bo'lg'usi matematika o'qituvchilarining matematik kompetensiyalari "tushunish", "bilish", "uddalash" kategoriyalari yordamida tavsiflanadi va ularga mos tashxislovchi masalalar tizimi bayon qilinadi.

Kalit so'zlar: matematik kompetensiya, tashxis, tashxislovchi masala, funksiya, funksiyaning limiti

Abstract: In the article, the mathematical competencies of future mathematics teachers are described using the categories "understanding", "knowing", "doing" and the system of diagnostic problems corresponding to them is described.

Keywords: mathematical competence, diagnosis, diagnostic problem, function, limit of function

SUYUQ FAZADA O'STIRILGAN $pSi-n(Si_2)_{1-x}(CdS)_x$ TUZILMANING ELEKTROFIZIK VA FOTOELEKTRIK XOSSALARI

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Qisqacha mazmuni: Har xil temperaturada $pSi-n(Si_2)_{1-x}(CdS)_x$ strukturalarining voltamper xarakteristikalarini tekshirildi. Bunday strukturalarning voltamper xarakteristikalarini kuchlanish bo'yicha tokning oshishi $V \approx V_0 \exp(JaW)$ subchiziqli qismga ega ekanligi qayd etildi. Tajriba natijalari injeksion kamayish effekti nazariyasi asosida tushuntirildi. CdS kiritmalari mavjud bo'lgan namunalarda spektrning qisqa to'liqli sohasida fotonlar energiyasining $E_{ph} \geq 2,2$ eV qiymatlarida fotosezgirlikning ko'tarilishi kuzatildi. Bu holat CdS izovalent kiritmalariga fotovoltaiik effektning ta'siri bilan vujudga kelishi ko'rsatilgan.

Kalit so'zlar: qattiq qorishma, eruvchanlik, to'yingan qorishma, tuzilma, kristallanish, suyuq fazali epitaksiya, epitaksial qatlam, kremniy.

Abstract: Current-voltage characteristics of $pSi-n(Si_2)_{1-x}(CdS)_x$ – structures have been researched at different temperatures. It has been come out that current-voltage characteristics of these structures have plot of type $V \approx V_0 \exp(JaW)$ with sublinear increasing current from voltage. That can be explained by theory of

“injection depletion” effect. It has been shown that mobility of holes decreases with temperature’s increasing. In the samples where CDs input signals were present, an increase in photon energy was observed at values $E_{ph} \approx 2.2$ eV in the short-wavelength region of the spectrum. It has been shown that this condition occurs when the photoelectric effect is applied to isovalent CDs inputs.

Keywords: solid solution, solubility, saturated solution, structure, crystallization, liquid-phase epitaxy, epitaxial layer, silicon.

MATEMATIK ANALIZDAN MASHG‘ULOTLARNI TEZAVURUSLI YONDASHUV ASOSIDA LOYIHALASH

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Qisqacha mazmuni: Maqolada tezavurusi yondashuvni amalga oshirishga yordam beradigan o‘quv mashg‘ulotlarini loyihalash bosqichlari “Yaqinlashuvchi ketma-ketliklar va ularning xossalari” mavzusi misolida bayon qilinadi.

Kalit so‘zlar: o‘quv tezavurusi, talaba leksikoni, tezavurusi tahlil, tezavurusi yondashuv, matematik kompetensiya, loyihalash.

Abstract: The article describes the steps of designing training sessions that help to implement the thesaurus approach on the example of the topic “Converging sequences and their properties”.

Keywords: educational thesaurus, student lexicon, thesaurus analysis, thesaurus approach, mathematical competence, design

ПРЕПОДАВАНИЕ ОСНОВ ОБРАЗОВАТЕЛЬНОЙ РОБОТОТЕХНИКИ В ДИСТАНЦИОННОМ ФОРМАТЕ

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Аннотация: Статья направлена на анализ возможностей применения симуляторов при обучении основам образовательной робототехники в условиях дистанционной формы обучения. Описываются методы и технологии, которые используются при обучении робототехнике, такие как программирование, электроника, механика и другие. Основным результатом является разработанная методика обучения основам образовательной робототехники в дистанционном формате, основанная на практической работе с виртуальными микроконтроллерами и программными средствами для работы с ними в симуляторе Tinkercad.

Ключевые слова: образовательная робототехника, дистанционный формат, Arduino, симуляторы, Tinkercad, программирование, C++.

OLİY MATEMATIKADAN AMALIY MASHG'ULOTLARNING TEXNOLOGIK XARITASI HAQIDA

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Navoiy davlat konchilik va texnologiyalari universiteti

Qisqacha mazmuni: Maqolada Oliy matematikadan amaliy mashg'ulotlarning texnologik xaritasi haqida bayon qilinadi.

Kalit so'zlar: texnologik xarita, tashxis, mantiqiy tuzilma, tuzatish, chiziqli tenglamalar sistemasi

Аннотация: В статье рассказывается о технологической карте практических занятий по высшей математике.

Ключевые слова: технологическая карта, диагноз, логическая структура, коррекция, система линейных уравнений

JALOLIDDIN RUMIYNING "ICHINGDAGI ICHINGDADUR" ASARIDA TAKOMIL INSON G'OYASI

Q. Abdushukurov, *dotsent, GulDU*

I. Abdushukurova, *GulDU katta o'qituvchisi*

Abstract: The article focused on the thinker's unique, unique philosophical understanding, understanding of the human heart, the role of man in the world, his spirituality, value, and the oriental interpretation of social relations in society.

AL-XORAZMIYNING MA'NAVIY MEROSIGA JAHON ILM AHLINING E'TIROFLARI

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Qisqacha mazmuni: Buyuk matematik, astronom va geograf Muhammad Muso al-Xorazmiy VIII asrning oxiri va IX asrning birinchi yarmida yashab ijod etdi. Bu davrda Markaziy Osiyo arab xalifaligi tarkibiga kirar edi. Rivojlanib kelayotgan mavjud tuzum taqozo qilgan ijtimoiy-iqtisodiy talablar bu davrdagi taraqqiyot jarayonining asosiy omillaridan biri bo'ldi. Qurilish, savdo-sotiq, hunarmandchilik, dehqonchilik va boshqa sohalarni yanada taraqqiy ettirish uchun astronomiya, geodeziya, geometriya kabi fanlarni rivojlantirish zaruriyati tug'ildi. Usha davrning ilg'or olimlari bu fanlarning amaliy ahamiyati haqida aniq tasavvurga ega bo'lib, Muhammad al-Xorazmiy esa shu olimlarning peshqadami va yo'lboshchisi edi.

Kalit so'zlar: Bayt ul-hikma, mutafakkir, al-Xorazmiy, Farg'oniy, Samoviy harakatlar, al-Farobiy, Ibn Sino, Abu Rayhon Beruniy, Saydana, Mahmud Qoshg'ariy, Xorazm Ma'mun akademiyasi, buyuk allomalar, Uchinchi Renessans.

Abstract: The great mathematician, astronomer and geographer Muhammad Musa al-Khorazmi lived and worked at the end of the 8th century and the first half of the 9th century. During this period, Central Asia was part of the Arab Caliphate.

The socio-economic requirements of the developing system became one of the main factors of the development process in this period. It was necessary to develop sciences such as astronomy, geodesy, and geometry for the further development of construction, trade, crafts, agriculture and other fields. The advanced scientists of that time had a clear idea about the practical importance of these sciences, and Muhammad al-Khorazmi was the leader and leader of these scientists.

Keywords: Bayt ul-hikma, the thinker, al-Khorazmi, Farghani, Heavenly movements, al-Farabi, Ibn Sina, Abu Rayhan Beruni, Saydana, Mahmud Kashgari, Khorezm Ma'mun Academy, great scholars, Third Renaissance.

MARKAZIY OSIYO XALQARO MUNOSABATLAR TIZIMIDA: TARIX VA TAXLIL

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Qisqacha mazmuni: Ushbu maqolada Markaziy Osiyoning xalqaro munosabatlar tizimidagi o'zni muhokama qilingan bo'lib, mavjud to'siq va istiqbollari, imkoniyatlari, bugungi kunda bu imkoniyatlardan qanchalik oqilona foydalanilayotgani tarixiy tahlil qilinadi.

Kalit so'zlar: Markaziy Osiyo, Transaksoniya, Oxus, Protokol , sammit, Arnold Toynbi, mintaqa, o'tmish, Ashxobod, Jacobs, Mo'g'uliston.

Аннотация: В данной статье рассматривается роль Центральной Азии в системе международных отношений, проводится исторический анализ существующих препятствий и перспектив, возможностей, насколько рационально эти возможности используются сегодня.

Ключевые слова: Центральная Азия, Трансаксония, Oxus, протокол , саммит, Арнольд Тойнби, регион, прошлое, Ашхабад, Джейкобс, Монголия.

“ARIY” TERMININI PAYDO BO'LISH TARIXI VA TERMINNING MA'NOSI BILAN BOG'LIQ BO'LGAN MASALALAR

Ochilov Iskandar Omongaldi o'g'li

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Qisqacha mazmuni: Hozirda jamiyat madaniy me'rosga, tarix va arxeologiyaga katta qiziqish bildiryabdi. O'tmishdan qolgan me'ros jamiyatning turli qatlamlarida turli va yangi muhokamalarga sababchi bo'lgan holda jamiyatning ramziy manbasihamdir. Tarixni bilish kelajak maqsadlarini belgilab olishga turtki bo'lishi mumkin. Bu maqola Markaziy Osiyoning qadimgi tarixiga aloqador bo'lgan Ariylarning “Ariy” termini yuzaga kelishi, uning bir qancha ma'nolarini, Yevropaga yoyilishini boshida qanday talqin qilinganligini muhokama qiladi.

Kalit so'zlar: Ariylar, ariy irqi, shimol irqi, Nordsizm, Natsizm, irqchilik, depigmintatsiya, migratsiya, Sirli doktrina.

Abstract: At present, society shows great interest in cultural heritage, history and archeology. Heritage from the past is a symbolic source of society, causing different and new discussions in different layers of society. Knowing the history can be a motivation to set goals for the future. This article discusses the emergence

of the term “Aryan” of the Aryans related to the ancient history of Central Asia, its several meanings, and how it was interpreted at the beginning of its spread to Europe.

Keywords: Aryans, Aryan race, Northern race, Nordism, Nazism, racism, depigmentation, migration, Secret doctrine.

INNOVATION IQTISODIYOT AFZALLIGI.

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Qisqacha mazmuni: Mazkur maqolada axborot asri va fan –texnika yutuqlari ta'sirida innovatsion iqtisodiyotga o'tish zaruratining paydo bo'lishi, innovatsion iqtisodiyotga xos xususiyatlar, bunda ilm-fanning o'rni va uning ahamiyati tahlil qilingan.

Kalit so'zlar: Innovatsiya, intellektual mulk, ilmiy-texnika inqilobi yutuqlari, ishlab chiqarishni yangicha tashkil etish, nou-xau, patent, inson omili, innovatsion iqtisodiyotga o'tish zarurati, ilmiy- ishlanmalar bozori.

Abstract: This article analyzes the emergence of the need to transition to the innovative economy under the influence of the information age and scientific and technical achievements, the characteristics of the innovative economy, the role of science and its importance in this.

Keywords: Innovation, intellectual property, achievements of the scientific and technical revolution, new organization of production, environmentally friendly products, alternative energy, know-how, patent, human factor, the need to transition to an innovative economy, the market of scientific developments, China, Japan, India, “Asian Tigers” innovation economy experience.

THE PROBLEM OF THE EMERGENCE OF STATENESS IN THE TURKISH NATIONS

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Abstract: The nature of the Lower Syrdarya River has allowed sedentary farmers, sedentary and semi-sedentary herders and nomadic herders to live side by side in this area. They are genetically related to “andronovo” culture. There are many opinions about the Turkic speaking of the representatives of this culture. As a result of archaeological research, the presence of religious buildings, trade, castles and cities in them. By the beginning of the 1st millennium, it testifies to the emergence of state associations.

Keywords: Central Asian Scythia, Yaksart, Central Asian Venice, Incardaryo, Jonidaryo, Kuvondaryo, Tagisken, Uygarak, Aryonam Vaijo, Turon, Kanguy, Vorukasha

O'ZBEK XALQI TARKIBIDAGI "TURK" ETNO GURUHI

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Guliston davlat universiteti tayanch doktoranti

Abstract: In the formation of the Uzbek nation, a large number of Turkic and Persian, Arab, and Mongolian tribes took part. Over the centuries, some of these tribes have forgotten their original names and clan traditions, while some of them have preserved them to this day. One of the groups that have preserved their names is the "Turk" group, who currently live in the Fergana and Chirchik-Ohangaron valleys, Jizzakh, Zaravshan and Karshi-Surkhan oases of our country. Other regions than the Jizzakh oasis have been studied by Turkic groups.

Keywords: Uzbek, Turkish, Karluq, Musabozori, Kalta-Toy, Zomin.

TO'Y ATAMASI VA UNING TARIXI.

Muxlisa SAYIDQULOVA
Guliston davlat universiteti magistiranti

Qisqacha mazmuni: O'zbek xalqi qadimdan e'zozlanib kelinayotgan urf-odatlar, milliy an'analariga boy xalqdir. Xalqimiz hayotida muhim ahamiyat kasb etgan shunday milliy an'alarimiz sirasiga to'y marosimlar kiradi. Shuningdek, o'zbek xalqining to'ylari qadim zamonlardan bugungi kungacha yetib kelib, amal qilinayotgan milliy marosimlari hisoblanadi. Maqolada to'y atamasi va uning tarixi hamda bugungi kunda to'y marosimlari iqtisodiyotidagi o'zgarishlar o'z ifodasini topgan.

Kalit so'zlar: Urf-odat, an'ana, marosim, udum, qadriyat, to'y, qurultoy, nikoh to'yi.

Abstract: The Uzbek people are a nation rich in customs and traditions that have been revered since ancient times. Wedding ceremonies are among such national traditions that have become important in the life of our people. Also, the weddings of the Uzbek people are national rituals that have been practiced since ancient times. The article describes the term wedding and its history, as well as changes in the economy of wedding ceremonies today.

Keywords: Tradition, custom, ceremony, value, wedding, convention, wedding ceremony.

MUSTAQILLIK YILLARIDA TEATR SAN'ATI TARAQQIYOTI

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Qisqacha mazmuni: Mazkur maqolada mustaqillik yillarida o'zbek teatr san'ati taraqqiyoti, jamiyatdagi ijtimoiy-madaniy siyosiy o'zgarishlar jarayonida teatrning ahamiyati, Tarixiy siymolarimizni nomini abadiylashtirishda, unut

bo'layotgan milliy qadriyatlar urf-odatlarini qaytarishda teatrning roli, hamda madaniy merosimizda asrashda teatrning o'rni haqida fikr-mulohaza yuritilgan. Xususan, "Amir Temur" "Jaloladdin Manguberdi", "Kunduzsiz kechalar", "Chimildiq" "Qalliq o'yini", "Hamlet" "Buyuk ipak yo'li", pyesalarida o'tkir tarixiy-ijtimoiy madaniy o'zgarishlar haqida so'z boradi.

Kalit so'zlar: Mustaqillik, madaniy meros, milliy marosimlar, tarixiy siymolar, vatanparvarlik, xalqaro munosabatlar.

Abstract: In this article, Uzbek theater art during the years of independence, University graduate students, the importance of theater in the process of socio-cultural historical figures, returning forgotten national values and traditions, and the role of theater in preserving our cultural heritage were discussed. In particular "Amir Temur", "Jalaluddin Manguberdi", "Dayless Nights". The plays "Chimildiq", "The Game of Remnants", "Hamlet", and "The Great Silk Road" talk about sharp historical, social and cultural changes.

Keywords: Independence, culture heritage, national ceremonies, historical figures, patriotism, international relations.

QADIMDA SIRDARYO VILOYATIDA YASHAGAN TURKIY XALQLARNING YOZMA MANBALARDA YORITILISHI

Ma'rufov Sherzod Komil o'g'li

Guliston davlat universiteti, Tarix kafedrası o'qituvchisi

Qisqacha mazmuni: Mustaqilligimizning xalqimizga bergan eng buyuk ne'matlaridan biri bu qadim va shonli tariximiz borasida ro'yi-rost va xolis fikr bildirish imkoniga ega bo'lganligimizdadir. Aynan shu sabab so'nggi yillarda O'zbekiston tarixini o'rganish borasida keng qamrovli tadqiqotlar olib borilmoqda. Jumladan, Samarqand, Buxoro, Xorazm, Surxondaryo va Farg'ona vodiysi tarixi borasida yangidan-yangi ma'lumotlarga ega bo'lmoqdami. Biroq bugungi Yangilanayotgan O'zbekistonda shiddat bilan o'z o'rmini topib borayotgan Sirdaryo viloyati tarixini hammamiz ham yaxshi bilamiz deb ayta olmaymiz. Bunga ma'lum ma'noda Sirdaryo qadimda va o'rta asrlarda kimsasiz cho'l bo'lgan va bu erlar «sho'ro»lar hukmronligi davridagina o'zlashtirilgan degan noto'g'ri tushunchalar ham sabab bo'lmoqda. Vaxolanki, "Sirdaryo viloyati garchi O'zbekiston tarkibidagi ma'muriy hudud sifatida ancha yosh bo'lsada, bu zaminning necha ming yillik tarixi, madaniyati bor". Mazkur maqolada Sirdaryo viloyati hududlarida yashagan qadimgi ajdodlarimiz haqida yozma manbalarda keltirilgan ma'lumotlarning qisqacha tahlilini keltirib o'tamiz.

Kalit so'zlar: Grek tarixchisi Arrian, Tanais, Aleksandriya-Esxta (Chekka Aleksandriya), 7 ta shahar, Kurkat qishlog'I, arxeologik tadqiqotlar, yovvoyilar, chorvadorlar, Kuru qabilasi, Saganaktepa.

Abstract: One of the greatest blessings of our independence to our people is that we have the opportunity to express honest and impartial opinion about our ancient and glorious history. It is for this reason that in recent years extensive research has been conducted on the study of the history of Uzbekistan. In particular,

we are getting new information about the history of Samarkand, Bukhara, Khorezm, Surkhandarya and Ferghana Valley. However, not all of us can say that we know the history of Syrdarya region, which is rapidly gaining its place in modern Uzbekistan. To a certain extent, this is caused by misconceptions that Syrdarya was a deserted desert in ancient and medieval times, and these lands were appropriated only during the rule of the “Shuras”. However, “Syr Darya region, although it is a relatively young administrative region within Uzbekistan, this land has thousands of years of history and culture.” In this article, we will present a brief analysis of the information provided in written sources about our ancient ancestors who lived in the territories of Syrdarya region.

Keywords: Greek historian Arrian, Tanais, Alexandria-Exhata (Alexandria Outskirts), 7 cities, Kurkat village, archaeological research, savages, pastoralists, Kuru tribe, Saganaktepa.

FROM THE FORMATION HISTORY OF RUSSIAN SETTLEMENTS IN HUNGER STEPPE AND THEIR SOCIALLY ECONOMIC POSITION (THE END OF XIX – BEGINNING XX CENTURIES)

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Abstract: revealing the origin of the new populated centers in the territory of Mirzachul, economic life, rites, religious beliefs, demographic condition, analysis of the influence stranger populations on social-economic situation of the territory at the end of XIX – at the beginning of XX.

Keywords: Mirzachul, the end of XIX – the start of XX, ethnic composition, mastering, migration policy, Russian villages, irrigation work, land-reclamation implements, east Slavs, channels, national composition, religious composition.

Аннотация: изучение образования новых населенных пунктов на территории Мирзачула, хозяйственной жизни, обрядов, религиозных верований, демографического состояния, анализ влияния пришельцев на социально-экономическое положение территории в конце XIX – начале XX.

Ключевые слова: Мирзачул, конец XIX – начало XX в., национальный состав, освоение, переселенческая политика, русские посёлки, ирригационные работы, мелиоративные сооружения, восточные славяне, каналы, национальный состав, религиозный состав.

TURKISTONDA ESKI MAKTABLARNING ISLOH QILINISHI RAXMATOV OZODBEK BAHODIR O'G'LI

Guliston davlat universiteti 2-bosqich

Qisqacha mazmuni: Ushbu maqolada Turkistonda eski maktablarning isloh etilishi yoritilib berilgan bo'lib, unda hukumat tomonidan chiqarilgan qarorlar va unga omma tomonidan bildirilgan fikrlar, vaqf bo'limi tomonidan amalga oshirilgan ishlar muhokama qilindi.

Kalit so'zlar: Turkiston, vaqflar, madaniy muassasa, madrasalar, maktablar, Nizom, Maorif, shariat, islom, mutavalli, komissar.

Аннотация: В этой статье освещается реформа старых школ в Туркестане, в которой обсуждаются решения, принятые правительством, и мнения, высказанные ему общественностью, а также работа, проделанная отделом фонда.

Ключевые слова: Туркестан, вакфы, учреждение культуры, медресе, школы, Низам, образование, шариат, ислам, мутавалли, комиссар.

YANGI O‘ZBEKISTON KONSTITUTSIYASI ASOSIDA INSON HUQUQLARI HIMOYASINI TAMINLASHDA JAMOATCHILIK NAZORATINING O‘RNI

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Qisqacha mazmuni: Yangilanayotgan O‘zbekiston Respublikasi Konstitutsiyasi inson, jamiyat va davlat manfaatlarining muhim sharti ekanligini hisobga olgan holda avvalo inson qadr-qimmatini, erkinligi, haq-huquqlarini jamiyat rivoji unga ijtimoiy tartib tamoyilning muhimligi va davlatimizning jahon miqyosida yuksak obro‘-e‘tibor qozonishi, yuksalishining huquqiy asosi bo‘lib xizmat qiladi.

Kalit so‘zlar: Fuqarolik pozitsiyasi, huquqiy manbaa, siyosiy islohotlar, xalq konstitutsiyasi, inson manfaati, dunyoviy davlat, xususiy mulk, ijtimoiy davlat, huquqiy davlat, biologik himmaxillik.

Abstract: The Constitution of the Republic of Uzbekistan, which is being renewed, takes into account the cultivation of an important condition of the interests of Man, society and the state, first of all, the development of human dignity, freedom, rights of society serves as the legal basis for the importance of the principle of social order and the rise of our state to a.

Keywords: Civil position, legal mabaa, political reform, people’s Constitution, human interest, secular state, private property, Social state, legal state, biological prejudice.

TEMUR VA TEMURIYLAR DAVRIDAMA’DANIY YUKSALISHNING ASOSIY OMILLARI XUSUSIDA

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Qisqacha mazmuni: Fanning rivojlanishi har doim ham bir xil bo‘lmagan. O‘rta asrlarda hukmron sulolalar o‘rtasidagi siyosiy kurashlar, tashqi tajovuzlar, diniy aqidaparastlikning vaqti-vaqti bilan hukmronligi fanning rivojlanishiga to‘sqinlik qildi. Xususan, XIII asr boshlarida O‘rta Osiyo xalqlari Chingizxon boshchiligidagi mo‘g‘ullar tomonidan bosib olindi. Bosqin katta hududni bosib olgan Xorazm davlatiga qarshi shiddatli janglar bilan boshlandi va qariyb ikki yil davomida

Movarounnahr ham bosib olindi, ko'plab shaharlar, madaniy yodgorliklar vayron bo'ldi. Olimlar o'ldirildi, boshqa davlatlar ta'qib qilindi, ilm-fan va madaniyat qattiq tanazzulga uchradi. Ammo birinchi Uyg'onish davri, IX-XII asrlardagi madaniy yuksalish O'rta Osiyoning keyingi ma'naviy taraqqiyotida o'chmas iz qoldirdi.

Kalit so'zlar: Madaniyat yutuqlari, uyg'onish, mo'g'ullar istilosi, madaniy yodgorliklar, diniy aqidaparastlik, fan va adabiyot, madaniy meros, davlat ishlari, savdo.

Abstract: The development of science has not always been the same. Political struggles between ruling dynasties, external aggression, and the occasional dominance of religious fanaticism in the Middle Ages hindered the development of science. In particular, at the beginning of the XIII century, the peoples of Central Asia were invaded by the Mongols led by Genghis Khan. The invasion began with fierce battles against the Khorezm state, which had conquered a large area, and for almost two years Movarounnahr was also occupied, many cities and cultural monuments were destroyed. Scientists were killed, other countries were persecuted, and science and culture were severely degraded. But the first Renaissance, the cultural upsurge of the ninth and twelfth centuries, left an indelible mark on the recent spiritual development of Central Asia.

Keywords: Cultural achievements, revival, Mongol invasion, cultural monuments, religious fanaticism, science and literature, cultural heritage, public affairs, trade.

TURON ZAMINIDA TIB ILMI VA UNING TARAQQIYOT BOSQICHLARI

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Qisqacha mazmuni: Maqolada keltirilgan o'rta asr olimlarining aksariyati qomusiy bilimga ega bo'lgan. Ular ko'plab fanlarni, jumladan, tibbiyotni ham yaxshi bilishgan. Qoraxoniylar davri tibbiyot fani namoyandalari Muhammad al-Kaloniysiy, al-Marvaziy, Najibuddin Samarqandiy, ar-Roziy va bu soha vakillarining asarlarida boy tarixga ega bo'lgan tibbiyot sohasiga oid ko'plab ma'lumotlarning tahlili, usullari. davolash, dorivor o'simliklardan tayyorlangan turli kasalliklarni tashxislash, jarrohlik va davolash bo'yicha ma'lumotlarni tahlil qilishga e'tibor beriladi. Bundan tashqari, tibbiyot fani tarixining turli bosqichlariga oid ko'plab manbalar va ma'lumotlar, ilmiy tahlillar mavjud. Chunki ilk tabobat va uning rivojlanish bosqichlari insoniyatning ko'p asrlik tafakkuri va tajribasining mahsuli bo'lgani bilan birga, malakalar uyg'unligidir. Xulosa qilib aytganda, yuqorida qayd etilgan mulohazalar va tahlillar shuni ko'rsatadiki, zamonaviy tibbiyotning paydo bo'lishi, rivojlanish bosqichi qadimgi tibbiyot zaruratidan kelib chiqqan holda, qadimgi tarixni, ya'ni insoniyatning ibtidoiy tabiatini kuzatish orqali.

Kalit so'zlar: Tibbiyot qonunlari, ilmiy maktablar, aniq va tabiiy fanlar, bukish, ta'lim, parvarish, farmatsevt.

Abstract: Most of the medieval scholars in the article had encyclopedic knowledge. They were well versed in many sciences, including medicine. Analysis of many data in the field of medicine, which has a rich history, in the works of

representatives of medical science of the Karakhanid period Muhammad al-Kaloniysi, al-Marwazi, Najibuddin Samarkandi, al-Razi and representatives of this field, methods of treatment, attention is paid to the analysis of data on the diagnosis, surgery and treatment of various diseases prepared from medicinal plants. In addition, there are many sources and data on various stages in the history of medical science, as well as scientific analysis. Because early medicine and its stages of development are the product of centuries of human thinking and experience, as well as a combination of skills. In short, the above-mentioned comments and analyzes show that the origin of modern medicine, the stage of development of which is due to the necessity of early medicine, through the observation of ancient history, that is, the primordial nature of mankind.

Keywords: Canons of medicine, scientific schools, exact and natural sciences, bending, education, look after, pharmacist.

O'ZBEKISTONDA TA'LIMNI JAHON TAJRIBALARI ASOSIDA RIVOJLANTIRISH

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Guliston Davlat Universiteti talabalari

Qisqacha mazmuni: Ushbu maqolada O'zbekiston Respublikasida ta'limni Jahonning zamonaviy metodlariga tayanib ularni O'zbekiston milliy ta'lim tizimiga moslashtirib rivojlantirishga doir masalalar yoritilgan.

Kalit so'zlar: Ta'lim bosqichlari, raqamli texnologiyalar, kredit modul tizmi, "fundamental – dinamik – yakuniy" - bosqichlar, oliy ta'lim.

Abstract: This article discusses issues related to the development of education in the Republic of Uzbekistan based on modern world methods and their adaptation to the national education system of Uzbekistan.

Keywords: Educational stages, digital technologies, credit-modular system, "fundamental-dynamic-graduation" stages, higher education.

TURK XOQONLIGI DAVRI TARIXINING MUSTAQILLIK YILLARIDA O'RGANILISHI

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Qisqacha mazmuni: Maqolada tadqiqotchi so'nggi yillarda birlamchi manbalarga tayangan holda yangicha yondashuvlar asosida milliy davlatchilik tarixini o'rganish masalasiga alohida e'tibor qaratilganligi ko'rsatib berilgan. Shuningdek, Turk xoqonligi davri tarixi zamonaviy tadqiqotlardagi talqini o'rganilgan.

Tayanch so'zlar: O'zbekiston, turk, ko'k turk, Turk xoqonligi, G'arbiy Turk hoqonligi, turk-sug'd, tarixiy manba, Markaziy Osiyo, evolyutsiya, tadqiqotchilar.

Abstract: The article shows that in recent years the researcher has paid

special attention to the problem of studying the history of national statehood based on new approaches based on primary sources.

The interpretation of the history of the period of the Turkish Khanate in modern research is also being studied.

Keywords: Uzbekistan, Turkic, Blue Turkic, Turkic Khanate, Western Turkic Khanate, Turkic-Sogd, historical source, Central Asia, evolution, researchers.

THE PROBLEM OF PROTECTING AGRICULTURAL OASES IN CENTRAL ASIA

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J. Rakhmonov, *GulDU Master*

Abstract: The article is devoted to the issue of the history of ancient defense structures, especially defense walls, in Central Asia, including the region between two rivers. Long defensive walls in Central Asia can be divided into three categories according to their function. The first type of walls was not only a means of defining the boundaries of large estates and defending agricultural oases from the attacks of settlers. They blocked the path of cavalry warriors and protected the borders of states from all neighbors and external enemies. The second type of walls seems to have been intended to protect only certain areas of the state, as well as to control the passage through them and to conduct customs inspections of passing trade caravans. The third type of walls probably served to protect a specific area or suburbs. The long walls across the steppe blocked the path of cavalry warriors and prevented sand from entering.

Keywords: Irrigation system, walled oases, fortifications, rabots, tower, ancient defensive walls, Antiochus I Soter wall, "Antioch Soter wall", Chim wall, Balkh oasis wall, Darband wall, Pirosta wall, Qiyamat wall, Kanpir of ancient Sogd oasis the wall

TURKISTON, MOLGUZAR TOG' TIZMALARI VA MIRZACHOLDA CHORVACHILIK XO'JALIGI EVOLYUTSIYASI XUSUSIDA.

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Umarova Aziza Umurzoq qizi, *GulDU magistranti*

Qisqacha mazmuni: Markaziy Osiyo xalqlari qadimdan mavjud geografik xuddagi ekomuxitni borligicha e'zozlab, qishloq xo'jaligining asosiy tarmoqlaridan bo'lmish chorvachilikda o'ziga xos etnoekologiya tizimini yarata oldi.

Kalit so'zlar: Ustrshona, Movorounnaxr, Turkiston, Mloguzar tog'i, Markaziy Osiyo, etnoekologiya, ekomuxit, mintaqa, xo'jalik, chorvachilik, manzilgoxlar.

Annotation. The peoples of Central Asia respected the ecological environment of the existing geographical area as it is, and were able to create a

unique ethnoecological system in animal husbandry, which is one of the main branches of agriculture.

Keywords: Ustrshona, Movorunnahr, Turkestan, Mloguzar mountain, Central Asia, ethnoecology, ecology, region, economy, animal husbandry, settlements, pastures.

QOMUSIY OLIM ABU ALI IBN SINONING MA'NAVIY MEROSIGA CHIZGILAR

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Abstract: When Ibn Sino's father Abdulloh introduced him with An-Notiliy who knew logic very well, he asked him to teach his son and An-Notiliy agreed to teach the future scientist Ibn Sino Pearned Arastu's "Mantiq", "Oklides's", "Anosir", Batlimus's "Al majasti" from that great person.

Ibn Sino especially liked medicine. During the short period Ibn Sino has got a great success in the sphere of medicine. Ibn Sino wrote about it: "Medicine is not a difficult science, because of it I've got so great success during a short time that even great doctors asked about medicine from me. I also visited the sick people. As a result of my gained experiences the doors were opened so wide that I can't describe it.

The amir of Bukhara Nuh ibn Mansur (976-997) had a chronic (serious) disease. Ibn Sino participated in his treatment very actively and because of it he had an apportunity to use rare books that were kept in the palace.

In 1002 when he went to Khorezm, he worked in "Ma'mun" academy in Urgench which was one of the greatest cultural centres. He worked with a great scientist such as Abu-Rayhon Beruni.

Keywords: Canons of the medicine, encyclopedic scientist, scientific school, fundamental works, exact and natural sciences.

YANGI O'ZBEKISTONNING ZAMONAVIY YOSHLARI KELAJAK BUNYODKORI

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Qisqacha mazmuni: Mazkur maqolada yurtimizda o'sib ulg'ayib kelayotgan yosh avlodning zamonaviy tarbiya masalasi haqida fikr yuritilgan bo'lib, unda zamonaviy tarbiyada albatta boy tariximizdagi milliy qadriyatlarimiz, o'z ilmi bilan jahon ahlini lol qoldirgan buyuk mutafakkirlarimiz, milliy marifatparvarlarimiz ilmiy izlanishlaridan oqilona foydalanish masalalari yoritildi.

Kalit so'zlar: Sog'lom, barkamol, zamonaviy, kelajak, Alpomish, Go'ro'g'li, To'maris, jamiyat, rivoyat, farzand, g'o'ya, axloq, doston, hushyorlik, tomir.

Аннотация: В данной статье была рассмотрена проблема современного воспитания подрастающего поколения в нашей стране, освещены вопросы

разумного использования в современном воспитании национальных ценностей нашей богатой истории, научных изысканий наших великих мыслителей, национальных просветителей, поразивших своей наукой мир.

Ключевые слова: здоровый, гармоничный, современный, будущее, Альпомиш, Грагли, Томарис, общество, повествование, ребенок, идея, мораль, эпос, трезвость, Вена.

FARG'ONA VODIYSIDA SHAHARSOZLIK MADANIYATI O'ZIGA XOS XUSUSIYATI (QADIMGI DALVARZINTEPA YODGORLIGI MISOLIDA)

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Qisqacha mazmuni: Ajdodlarimiz tomonidan qadimgi davrdan o'ziga xos shaharsozlik madaniyatiga asos solingan. Farg'ona vodiysida vujudga kelgan ilk shaharsozlik madaniyati miloddan avvalgi VIII asrga oid ilk shahar Dalvarzintepa yodgorigida olib borilgan ilmiy tadqiqotlar tahlili misolida yoritib beriladi. Farg'onaning eng qadimgi shaharlaridan biri Dalvarzintepa yodgorligi o'rnida vujudga kelgan bo'lib, bu shahar yodgorligi bugungi kunda Andijon viloyati Oyim qishlog'idan 2 km sharqda joylashgan, maydoni 25 gektarni tashkil etadigan arxeologiya yodgorligi hisoblanadi.

Kalit so'zlar: Farg'ona, Dalvarzintepa, Dovon. Andijon, qadimshunos, mezolit, bronza, dehqonchilik, chorvachilik, Chust, mudofaa devoir, qal'a, xom g'isht, artefaktlar, spool idshlar, ark, kulolchilik.

Abstract: Our ancestors founded a unique culture of urban planning from ancient times. The culture of the first urban planning that emerged in the Fergana Valley is highlighted on the example of the analysis of scientific research conducted in the monument of Dalvarzintepa, the first city of the VIII century BC. One of the oldest cities of Ferghana was created on the site of the Dalvarzintepa monument, and today this city monument is an archaeological monument located 2 km east of the village of Oyim, Andijan region, with an area of 25 hectares.

Keywords: Ferghana, Dalvarzintepa, Dovan. Andijan, antiquarian, Mesolithic, bronze, agriculture, animal husbandry, Chust, defense devoir, fortress, raw brick, artifacts, spool vessels, ark, pottery.

O'RTA OSIYO QOYATOSH SURATLARIDA ARIDIZATSIYA JARAYONINING AKS ETISHI.

Reflection of the process of aridization in Central Asian rock paintings

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Abstract: Today, the problem of desertification is considered one of the biggest environmental problems in the world. A large number of rock paintings provide information about the relatively humid climate, rich flora and fauna in

Central Asia during the Neolithic period. As a result of the study of rock images, it can be observed that with the passage of time, from the plains with flowers, there is a desert region without any traces of life. The article attempts to show four major periods of development of rock art associated with climate change by researchers today

Keywords: Rocks of Central Asia, Zarautsoi, petroglyphs of Uzbekistan, ancient bull-bull era, primitive art, horse image, Eurasian nomadic tribes, Amudarya treasure, ancient mountain goat era, Sac-Scythian type, fertility cult, camel era, Tassilin-Adjer.

O.G.NAJAFOVNING ASARIDA BUYUK KNYAZ ROMANOVNING TURKISTON TARIXIDA TUTGAN O'RNI

M.Tursunova, Magistr, GulDU.Guliston sh.

Qisqacha mazmuni: Maqolada Buyuk knyaz N.K. Romanovning Turkiston tarixida tutgan o'rni Oydin Gudarzi-Najafov tomonidan o'rganilishi tahlil qilingan.

Kalit so'zlar: N.K.Romanov, "Afsonasiz hayot", Mirzacho'l, Markaziy Osiyo, 1874 yil.

Abstract: The article analyzes the role of the Grand Duke N.K. Romanov in the history of Turkestan by Aydin Gudarzi-Najafov.

Keywords: N. K. Romanov, "Life without a legend", Mirzachol, Central Asia, 1874

USTRUSHONA XALQARO MADANIY ALOQALARNING MINTAQA TSIVILIZATSIYASI RIVOJIDA TUTGAN AHAMIYATI

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Qisqacha mazmuni: Mazkur maqolada Ustrushona mintaqasining Shosh va Farg'ona bilan madaniy aloqalari rivojlangan davr va buyuk ipak yo'li orqali olib borilgan savdo sotiqli aloqalar, Ustrushona mintaqasi orqali III-VIII asrlarda Buyuk Ipak yo'li o'zining gullab-yashnash cho'qqisida rivojlanganligi va shu davrda Buyuk Ipak yo'lida ilk o'rta asrlarda O'rta Osiyodagi va boshqa mintaqalarning ichki va tashqi savdo yo'llari ham muhim ahamiyat kasb etgan ko'rsatilib o'tilgan.

Kalit so'zlar: Ustrushona, Choch, Iloq, Sug'd tili, Ipak yo'li, Vizantiya, koloniya, savdo, qanotli otlar, Lojuvard yo'li, Nefrit yo'li, Shoh yo'li, savdo-iqtisodiy aloqalar, tsivilizatsiya.

ИНТЕРДИСЦИПЛИНАРНЫЙ ПОДХОД К НАСЛЕДИЮ НАРОДНЫХ ИГР ТЮРКОЯЗЫЧНЫХ СТРАН

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Аннотация: Данная статья посвящена интердисциплинарному подходу к наследию народных игр тюркоязычных стран. В ходе исследовательской работы было изучено отношение студенток к внедрению народных игр тюркоязычных стран в учебный процесс. А именно были разработаны и проанализированы анкетные опросы, а именно анкетный опрос проходимый студентами в начале исследования и в конце исследования, после внедрения народных подвижных игр на занятиях по элективным дисциплинам (модулям) по физической культуре и спорту в высшем учебном заведении.

Ключевые слова: народные игры, подвижные игры, анкетный опрос, высшее учебное заведение, студентки, тюркоязычные страны.

Abstract: This article is devoted to an interdisciplinary approach to the heritage of the folk games of the Turkic-speaking countries. In the course of the research work, the attitude of female students to the introduction of folk games of Turkic-speaking countries into the educational process was studied. Namely, questionnaire surveys were developed and analyzed, namely, a questionnaire survey passed by students at the beginning of the study and at the end of the study, after the introduction of folk outdoor games in the classroom for elective disciplines (modules) in physical culture and sports in a higher educational institution.

Keywords: traditional games, outdoor games, questionnaire survey, higher educational institution, female students, Turkic-speaking countries.

O'ZBEKISTON RESPUBLIKASI VA TOJIKISTON RESPUBLIKASI O'RTASIDAGI MADANIY-GUMANITAR SOHADAGI ALOQALARNING MUSTAHKAMLANISHI

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Qisqacha mazmuni: Ushbu tezisda O'zbekiston va Tojikiston Respublikalari o'rtasida mustaqillik yillarida yo'lga qo'yilgan madaniy-gumanitar sohadagi aloqalarning o'zgarish tendensiyalari muhokama etiladi.

Kalit so'zlar: O'zbekiston, Tojikiston, madaniy aloqalar, ijtimoiy soha,

hamdo'stlik.

AXBOROT VA TASHVIQOT URUSHIDAGI SIYOSIY MEXANIZMLARI

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Qisqacha mazmuni: Maqolada “axborot terrorizm”ning o‘ziga xos jihati va axborot terrorizmining ommaviy axborot vositalari orqali tarqalishi haqida mulohaza yuritilgan. axborot terrorizmi uyushgan zo‘ravonlik ko‘rinishi va Xavfsizlik siyosati - qimmatli axborotni boshqarish, muhofaza qilish va tarqatish (uzatish va yetkazib berish)ni tartibga soluvchi normalar, qoidalar, amaliy usullar va chora-tadbirlar haqida tushunchalar atroficha yoritilgan.

Kalit so‘zlar: axborot, xavfsizlik, terrorizm, axborot urushi, himoya, zamonaviy terrorizm

GENDER MUNOSABATLARI O‘ZIGA HOS JIHATLARI G‘ARB NIGOHIDA

Dilnoza MAHMUDBOEVA

Guliston davlat universiteti tarix kafedrası tayanch doktoranti

Qisqacha mazmuni: Mazkur maqolada sharqda va g‘arbda ayollarning roli, ularning ijyimoiy ba siyosiy jarayonlarda ishtiroki va va gender ierarxiyalarining murakkab ijtimoiy-madaniy belgilanishig, “gender” atamasi va feminizm o‘rtasidagi farqlar bayon yetilgan.

Kalit so‘zlar: feminizm, gender ierarxiyalari, ayollar tarixi, gender konsensusi, gender maqomi, erkak va ayol

GENEOLOGIYA VA FANLARARO YONDASHUV

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Qisqacha mazmuni: Ushbu maqola geneologik tadqiqotlarda fanlararo aloqalardan foydalanishning ayrim muammolariga bag‘ishlangan. Maqolada geneologiya hamda etnik tarix, tarixiy demografiya, arxivshunoslikning o‘zaro aloqalari, shuningdek, geneologiyaning boshqa fanlar taraqqiyotida tutgan o‘rni tahlil qilingan.

Kalit so‘zlar: geneologiya, etnik tarix, nasabnoma, tarixiy demografiya, arxivshunoslik, psixogeneologiya, tibbiy geneologiya, genetik geneologiya.

Annotation: This article is devoted to some problems of using interdisciplinary links in geneological research. The article analyzes the relationship between geneology and ethnic history, historical demography, archiving, as well as the role of geneology in the development of other sciences.

Keywords: geneology, ethnic history, genealogy, historical demography,

archival science, psychogeneology, medical geneology, genetic geneology.

TARIXIY TADQIQOTLARDA FANLARARO YONDASHUV: VIZUAL ATROPOLOGIYA (OILAVIY FOTOSURATLAR MISOLIDA)

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Qisqacha mazmuni: Maqolada tarixiy tadqiqotlarda fanlararo yondashuvining ahamiyati vizual antropologiya misolida tahlil qilingan. Unda vizual antropologiyada muhim manba sanalgan oilaviy fotosuratlardan foydalanishning o'ziga xos jihatlari haqida so'z yuritiladi.

Kalit so'zlar: tarixiy tadqiqotlar, antropologiya, vizual antropologiya, vizual manbalar, fotosuratlar, oilaviy fotosuratlar.

Abstract: The article analyzes the importance of an interdisciplinary approach in historical research using the example of visual anthropology. It talks about the specific aspects of using family photos, which are considered an important resource in visual anthropology.

Keywords: historical research, anthropology, visual anthropology, visual sources, photographs, family photographs.

SPECIFIC ASPECTS OF KHORAZM'S HISTOROLOGY DURING THE PERIOD OF WESTERN TURKISH RULE

Ne'matov Rustam Abduvaid o'g'li

Guliston davlat universiteti "Tarix" kafedrasi o'qituvchisi

Abstract: In this article, the history of socio-political and ethno-cultural processes in the Khorezm oasis in the early Middle Ages, particularly in the VI-VIII centuries, as well as the history of the Uzbek statehood, the Turkish khanate (552-744), known as a major kingdom in Central Asia and neighboring regions) and the researches carried out on the history of Khorezm, which is a part of it, are analyzed from a scientific point of view.

Keywords: Khorezm oasis, geographical location, Ephtalian state, scientific research, V.V. Barthold, E. Shavann, S. Tolstov, "Shorabashat" culture, Dovan state.

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Keywords: Khorezm oasis, geographical location, Ephtalian state, scientific research, V.V. Barthold, E. Shavann, S. Tolstov, "Shorabashat" culture, Dovan state.

Аннотация: В данной статье рассматривается история общественно-политических и этнокультурных процессов в Хорезмском оазисе в раннем средневековье, в частности в VI-VIII вв., а также история узбекской государственности, тюркского ханства (552-744 гг.), известное как крупное царство в Средней Азии и сопредельных регионах) и проведенные исследования по истории Хорезма, входящего в его состав, анализируются с научной точки зрения.

Ключевые слова: Хорезмский оазис, географическое положение, Эфталия, научные исследования, В.В. Бартольд, Э.Шаванн, С.Толстов, «шорабашатская» культура, государство Дован.

USTRUSHONA XALQARO MADANIY ALOQALARNING MINTAQA TSIVILIZATSIYASI RIVOJIDA TUTGAN AHAMIYATI

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Qisqacha mazmuni: Mazkur maqolada Ustrushona mintaqasining Shosh va Farg'ona bilan madaniy aloqalari rivojlangan davr va buyuk ipak yo'li orqali olib borilgan savdo sotiqli aloqalar, Ustrushona mintaqasi orqali III-VIII asrlarda Buyuk Ipak yo'li o'zining gullab-yashnash cho'qqisida rivojlanganligi va shu davrda Buyuk Ipak yo'lida ilk o'rta asrlarda O'rta Osiyodagi va boshqa mintaqalarning ichki va tashqi savdo yo'llari ham muhim ahamiyat kasb etgan ko'rsatilib o'tilgan.

Kalit so'zlar. Ustrushona, Choch, Iloq, Sug'd tili, Ipak yo'li, Vizantiya, koloniya, savdo, qantoli otlar, Lojuvard yo'li, Nefrit yo'li, Shoh yo'li, savdo-iqtisodiy aloqalar, tsivilizatsiya.

Аннотация: В данной статье рассматривается развитие культурных связей между Уструшанским краем и Шошем и Ферганой и торговые связи через Великий шелковый путь, а также показано важное значение внутренних и внешних торговых путей других регионов.

Ключевые слова: Уструшона, Чач, Илак, Согдийцы, Шелковый путь, Византия, колониya, торговля, крилатие кони, Ложувардский путь, Невритовый путь, Сарский путь, торгово-экономические отношения, цивилизация.

BONISTIKA MAXSUS TARIX SOHASI SIFATIDA

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Qisqacha mazmuni: Qog'oz va qimmatbaho pullar iqtisodiy sektorning asosiy tanyachi sifatida ahamiyat kasb etgan. XX asr boshlarida Xiva xonlari tomonidan shoyidan ishlab chiqargan pullar zamonasi uchun moliyaviy jihatdan muhim amaliy tadbir bo'lganligi xususida maqolada so'z yuritiladi. Ishlab chiqarilgan qog'oz pullar bonistik jihatidan tahlil qilinadi. Shuningdek, puldagi ramziy belgilar borasida ma'lumotlar keltiriladi.

Kalit so'zlar: bonistika, qog'oz pullar, qiymat, shoyi pullar, islohat, ramziy belgilar

Abstract: Securities and money have gained importance as the main currency of the economic sector. At the beginning of 20th century, the production of money from silk by the khans of money from silk by the khans of Khiva was an important and financially practical event for that time. The paper money produced is analyzed from a bonistic point of view. It also provides information about symbolic signs on money.

Keywords: bonistics, paper money, value, silk money, reform, symbolic signs

THE WORK "BABURNAMA" IS AN IMPORTANT SOURCE IN THE STUDY OF SPECIAL HISTORICAL SCIENCES

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Abstract: The article talks about the role and importance of special history subjects in the teaching of history. Zahiriddin Muhammad Babur's work "Baburnama", which is an invaluable treasure of the cultural heritage of the Turkic peoples, is analyzed chronologically, metrologically and heraldically as an important source in the study of special historical sciences.

Keywords: quality education, interdisciplinary approach, cultural heritage, special history subjects, teaching methods, historical source, traditional measurement units, time measurement units, political symbols, chronology, metrology, heraldry

Аннотация. В статье говорится о роли и значении специальных предметов истории в преподавании истории. Произведение Захириддина Мухаммада Бабура «Бабур-нама», являющееся бесценным сокровищем культурного наследия тюркских народов, анализируется хронологически, метрологически и геральдически как важный источник в изучении специальных исторических наук.

Ключевые слова: качественное образование, междисциплинарный подход, культурное наследие, специальные предметы истории, методика обучения, исторический источник, традиционные единицы измерения, единицы измерения времени, политические символы, хронология, метрология,

геральдика

“SHAJARAI TURK” ASARI TURKIYLAR TARIXINI YORITUVCHI MANBA

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Qisqacha mazmuni: Maqolada Abulg'oziy Bahodirxonning “Shajarai Turk” asari turkiy xalqlar tarixini o'rganishda muhim manba ekanligi xususida so'z yuritiladi. Asar yozilishi sabablari, asarning mazmuni va voqealari borasidagi ma'lumotlar maqolada yoritiladi.

Tayanch so'zlar: sifatli ta'lim, fanlararo yondashuv, madaniy meros, tarixiy manba, tarixchi muarrix, hokimiyat uchun kurash, Xiva xonligi, shajara, xon, taxt, sulton, urug', qabila, tarixnavislik.

Abstract: The article mentions that Abulghozi Bahadirkhan's work “Shajarai Turk” is an important source for studying the history of turkish peoples. Information about the reasons for writing the work, the content and events of the work will be covered in the article.

Keywords: quality education, interdisciplinary approach, cultural heritage, historical source, struggle for power, Khiva Khanate, genealogy, khan, throne, sultan, clan, tribe, historiography.

BOLO HOVUZ MASJIDINING TA'MIROTI (XX asrning 20-80-yillarida)

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Qisqacha mazmuni: Mazkur maqolada Buxorodagi Bolo Hovuz masjidining XX asr 20-80-yillari davridagi ta'mirlanish tarixi bilan bog'liq jarayonlar yoritilgan. Masjidning ta'mirlanishida ishtirok etgan maxsus tashkilot hamda muassasalar faoliyatining o'rni va ahamiyati asoslab berilgan. Shu bilan birga, Bolo Hovuz masjidining foydalanuvdagi noo'rin munosabat, qolaversa, ijara tizimidagi muammolar ochib berilgan.

Kalit so'zlar: Buxkomstaris, texnik ko'rik, ta'mirlash, arxitektor, me'moriy obida, dalolatnoma, Buxoro MIRICHU, muhofaza, ijara, ekspluatatsiya.

Abstract: This article covers the processes related to the history of the renovation of the bolo pond mosque in Bukhara during the 20s and 80s of the 20th century. The role and importance of the activities of the special organization and institutions involved in the renovation of the mosque is based. At the same time, the inappropriate attitude to the use of the bolo pool mosque, in addition, problems with the rental system are revealed.

Keywords: Bukhkomstaris, technical inspection, repair, architect, architectural monument, deed, Bukhara MIRICHU, protection, rent, operation.

ПЕРВЫЙ ТАЛАНТ В РУССКОЙ ЛИТЕРАТУРЕ

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Аннотация: В статье речь идёт о творчестве одного из талантливых русских художников слова, который жил в первой половине 19-го столетия и внёс большой вклад в изучение жизни, быта, фольклора, истории восточных людей населявших Оренбургский край. Следует заметить, что произведения В.И Даля написанные на восточные темы не получили свою соответствующую оценку. Мы в данной статье не претендуя на полное раскрытие данной темы постараемся восполнить отдельные пробелы в изучении данной темы

Abstract: The article is about the work of one of the talented Russian artists of the word, who lived in the first half of the 19th century and made a great contribution to the study of life, everyday life, folklore, history of the Eastern people who inhabited the Orenburg Region. It should be noted that the works of V. And Dahl written on oriental themes did not receive their corresponding assessment. In this article, without pretending to fully disclose this topic, we will try to fill in some gaps in the study of this topic

ИСТОРИЧЕСКАЯ ПРАВДА И ХУДОЖЕСТВЕННЫЙ ВЫМЫСЕЛ В ПОВЕСТИ «БИКЕЙ И МАВЛЯНА» В.И ДАЛЯ

М.БАЙЭШАНОВ, *кфн, доцент кафедры русского языка и литературы ггу руз*

Аннотация: Повесть «Бикей и Мавляна»- это история о поисках смысла жизни,. Это история о том, как мудрость и духовность могут помочь человеку обрести счастье. Автор использует простой язык и красивые описания природы, там он использует и восточную лексику, которая играет большую роль в раскрытии внутреннего мира действующих лиц. Повесть В.И Даля «Бикей и Мавляна» является уникальным явлением в раскрытии характера восточного человека. Он заставляет читателя задуматься над смыслом жизни, о семейных взаимоотношениях и долге родителей перед детьми

Abstract: The story “Bikey and Mavlyana” is a story about the search for the meaning of life. This is a story about how wisdom and spirituality can help a person find happiness. The author uses simple language and beautiful descriptions of nature, there he also uses oriental vocabulary, which plays a big role in revealing the inner world of the actors. The story of V. and Dahl “Bikey and Mavlana” is a unique phenomenon in revealing the character of an Oriental man. Dahl makes the reader think about the meaning of life, about family relationships and the duty of parents to children

MOTURIDIYA KALOM MAKTABI VA UNING BAHS MAVZULARI

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Qisqacha mazmuni: Islom diniy-falsafiy tafakkuri shakllanishi ibtidosida vujudga kelgan, katta aqidaviy ixtiloflar va bahs-munozaralarga sabab bo'lgan Mu'taziliya ta'limotining aqlparastligi, mantiq ilmiga berilishi, ilohiyot va fiqh masalalarini tushuntirish va talqin etishda "Ahli sunna va jamoa" usuliga xilof mavqei islom diniy falsafasida Ah'ariya va Moturidiya kabi yirik kalom maktablarining vujudga kelishiga sabab bo'ldi.

Movarounnahrda o'zining fundamental diniy-falsafiy dunyoqarash tarziga ega bo'lgan va "Ahli sunna val-jamoa" vakili sifatida bahs-munozaralar maydoniga chiqqan Imom Moturidiy islomga sodiqligi va izchilligi, e'tiqodiy bag'rikengligini namoyish etgan holda tarix sinovidan o'tgan Abu Hanifa No'mon ibn Sobit ta'limoti yo'lini davom ettirdi. Uning ta'limoti islom kalom ilmi ta'rixida yangi yo'nalishni boshlab berdi.

Ushbu maqolada Moturidiya kalom maktabi va uning asosiy bahs mavzulari qisqacha tarzda yoritib beriladi.

Kalit so'zlar: Islom, Kalom ilmi, ilohiyot, diniy-falsafiy ta'limot, Moturudiya, Mu'taziliya, Ash'ariya, Imom Moturidiy, bahs, dalil, aqlparastlik.

TURISTIK KLASTERLARNI YARATISH VA RIVOJLANTIRISHNING NAZARIY ASOSLARI

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Qisqacha mazmuni: Bugungi kunda turizm sohasini rivojlantirish, hududlarning turistik jozibadorligini oshirish masalalariga hukumat darajasida alohida e'tibor qaratilmoqda. Shundan kelib chiqqan holda, mazkur maqolada mamlakatimizda erkin turistik zonalarni yaratish va rivojlantirish masalalariga alohida e'tibor qaratilgan.

Kalit so'zlar: turizm, turistik klaster, turistik hudud, turistik hudud

raqobatbardoshligi, maxsus iqtisodiy hudud.

Abstract: Today, special attention at the government level is paid to the development of the tourism sector, increasing the tourist attractiveness of the regions. Based on this, this article is devoted to the creation and development of free tourist zones in our country.

Keywords: tourism, tourist cluster, tourist zone, competitiveness of the tourist zone, special economic zone.