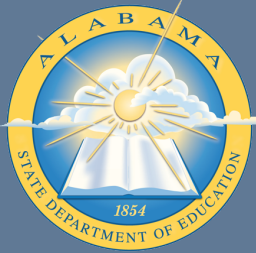


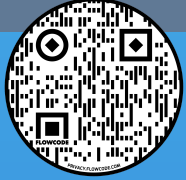
ALSDE Quick Guide for COVID-19 Lab Material/Equipment Use



In preparation for the 2020-21 school year, science teachers will have to modify normal instructional practices to prevent the spread of viruses and other disease-causing organisms.



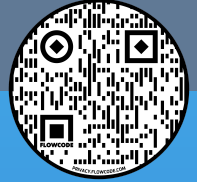
When planning lessons, consider the following:



Scan for RoadMap.
<https://bit.ly/3gCz1Xn>

Ongoing consultation:

- The Centers for Disease Control (CDC)
- The Alabama Department of Public Health (ADPH)
- The RoadMap to Reopening Schools
- The Alabama K-12 Safety Guidelines
- Local Education Agency (LEA) Policies/Procedures



Scan for Alabama K-12 Science Safety Guidelines.
<https://bit.ly/3a3sqmq>

Do students have to complete a hands-on activity to master the three-dimensions (SEP, CCC, DCI) of the standard?

YES

Will instruction be face-to-face or hybrid?

Consider the following for:
FACE-TO-FACE INSTRUCTION

Consider the following for:
HYBRID/ AT-HOME INSTRUCTION



Allow time for proper sanitation of surfaces and personal protective equipment.



Clear lab area of any unnecessary items that may need sterilizing.



Have students wash hands or use hand sanitizer before and after each activity.



Do not assume there will be adult supervision in the home.



Obtain parental permission before sending anything questionable home to students.

NO

Consider alternative methods of investigation, such as teacher led demonstrations, videos or virtual simulations.



Establish student safety practices (wearing masks, gloves, sharing materials, etc.).



Consider flow of traffic to reduce student movement in adherence to ADPH.



Use disposable materials or small scale practices when possible.



Consider videoing the classroom activity and uploading to an online platform OR provide WebEx, Zoom or other virtual method for participation.



Document all safety considerations for students, parent guidance and teacher lesson plans.

Other considerations:

Individual vs. group investigations



Share NSTA's home instruction safety guidance with parents before any at-home lab activities (linked below).

INDIVIDUAL LABORATORY INVESTIGATIONS

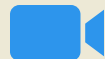
GROUP LABORATORY INVESTIGATIONS



Provide adequate spacing for students and staff.



Provide adequate amounts of materials for individual work.



Let one student perform the hands-on portion of the lab while another records it to share with the remainder of the group.



Have students analyze data and develop explanations through remote means.



Let one student perform the hands-on portion of the lab while the remainder of the group observes and records data from an appropriate distance.



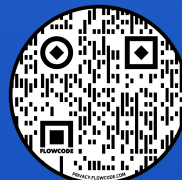
Scan for Safety for Hands-on Home Instruction.
<https://bit.ly/3kcNgV0>

Other considerations:
at-home hands-on activities



further considerations:

- AMSTI will sanitize materials before delivery to schools.
- Schools and/or LEA's are responsible for providing sanitation and personal protection equipment (PPE) supplies to teachers.
- Goggles and other reusable PPE should be cleaned prior to and after each use.
- Consider using alternate chemicals in an experiment if there is a possibility they may react with sanitation chemicals.



Scan for OSHA Safety Data Sheets.
<https://bit.ly/3fAWVkc>



Schools must provide safety data sheets for any household substances used in the activity.



Schools must provide any PPE needed to safely perform the activity at home.

Updated 8/7/2020