

Want to start using CASE in your agricultural education program?

Attend a CASE Institute!



- CASE Institutes are intense professional development led by practicing CASE teachers.
- The CASE curriculum is free to those who successfully complete a CASE Institute.
- Institutes are hosted by affiliated universities and colleges across the United States each summer.
- CASE teachers receive complimentary updates to the curriculum and many other services throughout their careers.
- For a complete listing of upcoming CASE Institutes and certification information, please visit www.case4learning.org and click on "Professional Development."

CASE



**STEM
EDUCATION
COALITION**
Science Technology Engineering Mathematics
Affiliate Member

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**PRINCIPLES OF AGRICULTURAL
SCIENCE – ANIMAL**



CASE

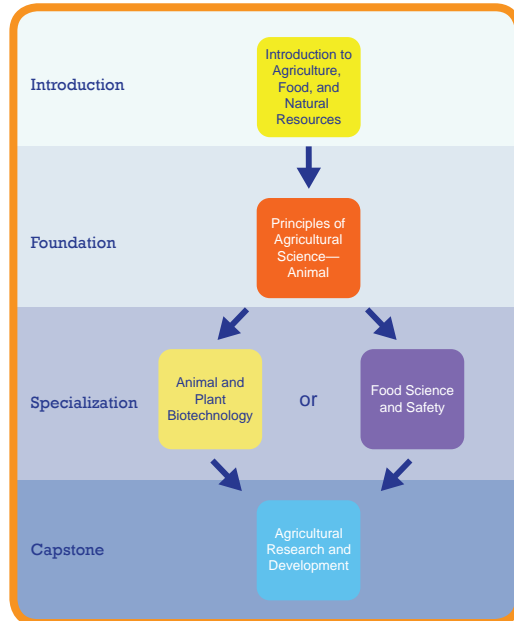
*Curriculum for Agricultural
Science Education*

CASE PROGRAM OF STUDY

“Career and Technical Education students should follow a program of study made up of a **purposeful sequence** of **rigorous courses** to build student knowledge and skills.”
– recommendation in Perkins reauthorization



We have carefully designed a program of study pathway for animal science that scaffolds student learning within courses and throughout the pathway.



Principles of Agricultural Science — Animal

Principles of Agricultural Science — Animal is a foundation-level course engaging students in hands-on laboratories and activities to explore the world of animal agriculture. During the course, students develop a comprehensive Producer's Management Guide for an animal of their choice.



Principles of Agricultural Science — Animal

Areas of study include:

- History & Use of Animals
- Animal Handling & Safety
- Cells & Tissues
- Animal Nutrition
- Animal Reproduction
- Genetics
- Animal Health
- Animal Products, Selection, & Marketing

Principles of Agricultural Science — Animal



All CASE pathways begin with the *Introduction to Agriculture, Food, and Natural Resources* course, then branch into four areas which focus on animals, plants, agricultural engineering, and natural resources.

The Animal Systems pathway includes the foundation course *Principles of Agricultural Science — Animal* and progresses to a specialization course in either *Animal and Plant Biotechnology* or *Food Science and Safety*. All CASE pathways culminate with the capstone course *Agricultural Research and Development*.

CASE provides teachers hands-on professional development to facilitate instruction.

