

# WANT TO START USING CASE IN YOUR AGRICULTURAL EDUCATION PROGRAM?

Attend  
a CASE  
Institute!



# CASE

*Curriculum for Agricultural  
Science Education*



Principles of Agricultural Science  
Animal



CASE Institutes are 80-hour professional development sessions led by practicing CASE teachers. CASE curriculum is free to those who attend and successfully complete a CASE Institute. Affiliate Universities and Colleges across the United States host CASE Institute sessions each summer. CASE teachers receive free updates of the curriculum and are entitled to many other teacher services free of charge during their career.

For a complete listing of CASE Institutes for the upcoming summer and more information about certification, please visit the CASE website at <http://case4learning.org/professional-development/case-institute.html>.



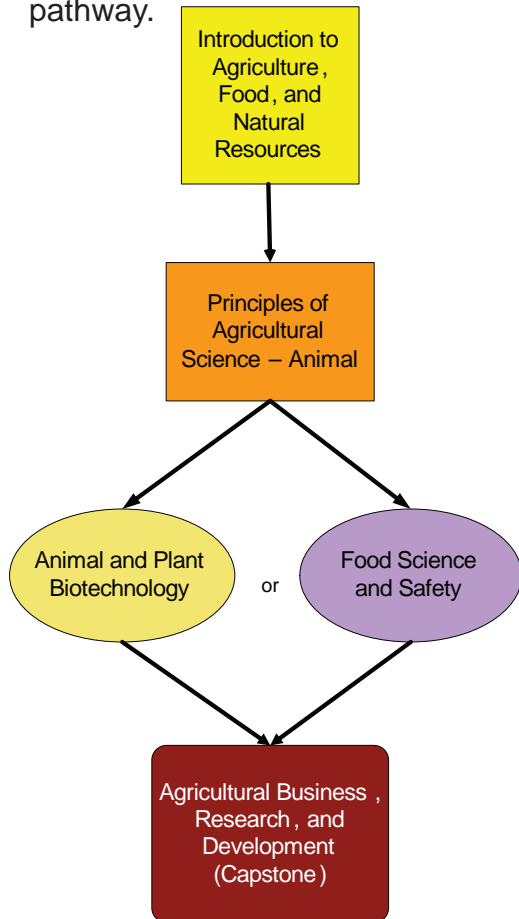
# CASE

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# CASE

## PROGRAM OF STUDY

Perkins reauthorization recommends program of study for CTE students. One important aspect of program of study pathways is to provide a purposeful and rigorous sequence of courses to build student knowledge and skills. CASE has carefully designed a program of study pathway for animal science that scaffolds student learning within courses and throughout the pathway.



All CASE pathways begin with the introductory level course and branch into four agriculture, food, and natural resources focus areas. The Animal Systems pathway consists of *Principles of Agricultural Science - Animal* as the foundation level course, progressing to a specialization course in either *Animal and Plant Biotechnology* or *Food Science and Safety*. All CASE pathways cumulate with the capstone course focusing on *Agricultural Business, Research, and Development*.

For more information regarding CASE programs of study, please visit the CASE website at <http://case4learning.org/curriculum/case-pathways.html>

## PRINCIPLES OF AGRICULTURAL SCIENCE - ANIMAL

A foundational course in the CASE animal pathway, *Principles of Agricultural Science - Animal* engages students in hands-on laboratories and activities to explore the world of animal agriculture. Students will develop a comprehensive Producer's Management Guide for an animal of their choice throughout the course. CASE lessons are engaging for students as they are student-directed and use inquiry-based instruction. The lessons are in a teacher friendly format providing detailed resources for instruction and are aligned to national content standards for Agriculture, Science, Mathematics, and English Language Arts.



### Areas of study include:

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