

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
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**NATURAL RESOURCES
AND ECOLOGY**



CASE

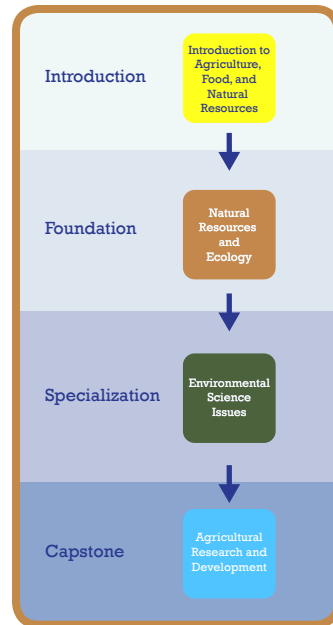
*Curriculum for Agricultural
Science Education*

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 carefully designed a program of study pathway for natural resources which scaffolds student learning within the course and throughout the pathway.



Natural Resources and Ecology



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 Natural Resources pathway includes the foundation course *Natural Resources and Ecology* and progresses to the specialization course *Environmental Science Issues*. All CASE pathways culminate with the capstone course *Agricultural Research and Development*.

Natural Resources and Ecology

Natural Resources and Ecology is a foundation-level course that provides students with a variety of experiences in the fields of natural resources and ecology. Students are immersed in inquiry-based activities, projects, and problems, which teach concepts through field and lab experiences.



Natural Resources and Ecology

Areas of study include:

- Biomes & Ecosystems
- Soil, Water, & Air
- Energy
- Flora and Fauna
- Human Impact
- Agriculture, Forestry, & Mining
- Multiple Use Resource Management
- Sustainability
- Environmental Policies

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

We are grateful to **CSX**, **Mosaic**, and the **CHS Foundation** for sponsoring the *CASE Natural Resources and Ecology* course as a special project through the **National FFA Foundation**.

