



AGXPLORE MIDDLE SCHOOL

Course Description

Middle school students explore the daily impact of agriculture over 60 days of instruction. AgX introduces students to the plants, resources, energy, and animals we use and consume due to agricultural technologies.

Every lesson includes unique and engaging hands-on activities and projects encouraging student exploration of the agricultural value chain from industry to consumer. In addition, the curriculum includes fresh and personalized assessment tools with laboratories, games, and questioning exercises.

This modular course can be paired with other curricula by supplementing an introductory or middle school curriculum.



Equipping teachers

- Introductory level
- Modular course
- Inquiry and project based instructional practices
- BriefCASE professional development

Engaging students

- ✓ Learn daily impact of agriculture
- ✓ Hands-on STEM activities and projects
- ✓ Explore agricultural value chain
- ✓ Laboratories, games, and questioning exercises
- ✓ Students explore SAE and FFA opportunities

Instructional Units

- Ag in the Past
- Plants We Grow
- Resources We Use
- Resources We Recycle
- Energy We Consume
- Animals We Care For
- Food We Eat
- Ag in My Future

Flexibility & Adaptability

CASE provides a comprehensive professional development experience, in addition to a work-life balance so teachers can best educate their students. Course work is adaptable and customizable based on teacher preference to fit all geographies and communities.

“AgX has let my students apply hands-on concepts that we learn in the classroom. The curriculum is full circle. From production of their garden containers to processing their produce. I love how the students are learning applicable concepts and having fun while they do it!”

- Randi Krieg, Washington

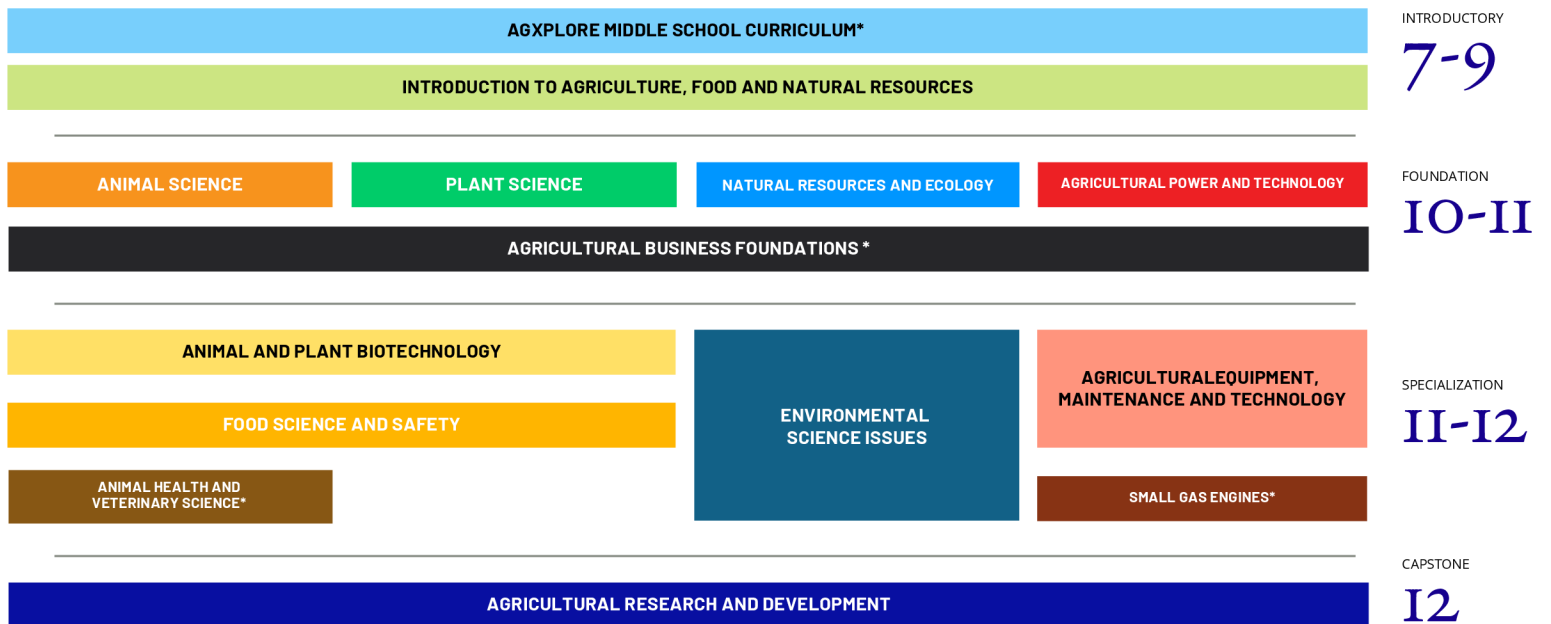


scan or visit case4learning.org

Purposeful Curriculum

CASE has sequenced courses at four levels that enhance the delivery of agricultural education through inquiry-based learning and technical skills.

Courses and Instruction Levels



Mission

To design industry-leading, inquiry-based curriculum and teacher education to create lifelong learners and prepare students for the future of agriculture.

Standards Aligned

CASE develops curriculum with industry feedback and aligns courses to National Agriculture, Food, & Natural Resources and Career & Technical Education standards.

Professional Development and Lifetime Certification

CASE 4 Learning enhances agricultural education with inquiry and project-based learning to prepare the next generation of the agricultural workforce through teacher certification and professional development.

CASE Institutes

Professional development events preparing teachers to implement full-year CASE courses. Institutes provide teachers the content and skills needed to use CASE curricula in their classroom. CASE Institutes range from five to eight days in a hybrid, in-person, or virtual format.

BriefCASEs *

Professional development for shortened CASE courses or modules. BriefCASEs range from one to three days.

Grants & Scholarships

Corporate sponsors and donors throughout the agriculture industry support CASE teachers through funding material implementation grants and professional development scholarships. Teachers are eligible to apply in the fall to fund their programs in the following year.

Certification

Once the teacher is certified by attending a CASE Institute or BriefCASE, they have lifetime access. There are no subscriptions or renewal fees!



In-Person

Teachers attend the entire training at the host site.



Virtual

Teachers attend the entire training online. Teachers will receive materials via mail, and are responsible for their lab space.



Hybrid

Teachers receive training both virtually and in-person based on the course.