

Environmental, Agricultural & Natural Resources Cluster



Agriculture Science (CASE) Program

PROGRAM OF STUDY OVERVIEW:

The Agriculture Science (CASE) program is a national curriculum that offers students a rigorous curriculum designed to challenge them to perform at high levels. Through the use of activities, projects and problem-solving, students will explore agriculture subject matter while they learn necessary knowledge and skills. The Ag. Science Program recommends that students take advantage of work study, mentorship, internship, and job shadowing opportunities. Students will also benefit from involvement in the national professional organization Future Farmers of America (FFA). Students interested in Veterinary Science like this program too! The program offers students the opportunity to earn college credit upon successful program completion.



Entrance Grades	Introduction to Agriculture Science	Principles of Agriculture Science – Animal	Animal and Plant Biotechnology	Agricultural Business, Research, and Development	Work Study (optional)
	1 Credit	1 Credit	1 Credit	1 Credit COMPLETER	
9th Grade Entrance (By 8th Grade Application)	Fall Freshman	Spring Freshman	Fall Sophomore	Spring Sophomore	Junior Senior
10th Grade Entrance	Fall Sophomore	Spring Sophomore	Fall Junior	Spring Junior	Junior Senior
11th Grade Entrance	Fall Junior	Spring Junior	Fall Senior	Spring Senior	Spring PM

IN THIS PROGRAM

Students will:

- Apply and extend classroom learning to unknown situations and problems through inquiry based projects;
- Develop critical thinking, applied mathematical, and scientific skills by solving real-world problems;
- Recognize, understand, and explain interrelationships between animal systems, plant systems, natural resources, and human impacts; and
- Complete and present a culminating end of program project.

COURSE SEQUENCE

- Introduction to Agriculture Science
- Principles of Agriculture Science—Animal
- Animal and Plant Biotechnology
- Agriculture Business: Research and Development

For course descriptions, please see the WCPS Course Catalog @ <https://www.worcesterk12.com/>



STUDENT ORGANIZATIONS



EARLY COLLEGE PROGRAM PARTNER



COLLEGE OF AGRICULTURE & NATURAL RESOURCES