



AGRICULTURE & ANIMAL SCIENCE

Course Description:

Students will learn about the importance of agriculture within our community and nation. They will learn to use the latest science, technology, and math that helps us produce the food of the future.

- The program covers all areas within agriculture from plants to animals and how it all connects with agriculture business.
- Learn how to work with others in a collaborative model through hands-on activities with daily barn and greenhouse chores along with management skills.
- Problem-solve animal and plant health issues.
- Work in the field to learn about soils and crops.
- Students raise meat, milk, eggs, and honey to learn about the importance of agriculture food processing.



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Students who would benefit from this program are those who enjoy working outside with plants and animals, enjoy all aspects of science, and are good at problem-solving.

High School Credit: Students will earn elective credit at their high school upon completion of this course. Please see a high school counselor (based on district decision) for eligibility towards 4th-year math-related credit, VPAA credit, and waived credits for third year science and second year world language.

College Credit: Second year students who have completed their Supervised Ag Experience (SAE) hours will earn 6 college credits through Michigan State University.

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LENGTH OF PROGRAM

1 year*

*2nd year opportunity available to those who qualify

Instructor:

Faith Scheffler
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ParaPro:

Paul Zelenka
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Related Careers with 2022 Median Annual Pay from O*Net

- Veterinarian Technician \$38,240
- Soil & Plant Scientist \$65,730
- Agricultural Barn Mgr. \$75,760
- Veterinarians \$103,260
- And many more

Experience the CTE Difference!



TO ENROLL

bit.ly/CTCenroll



QUESTIONS?

Contact Jannette Bole
jbole@oaisd.org



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Careerline Tech Center

13663 Port Sheldon Street | Holland | 616-738-8950

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Course Outline:

1st Semester: Raising broiler birds, caring for poinsettias, managing beehives, starting laying hens, understanding soil sciences, and breeding pigs.

2nd Semester: Learn nutrition, anatomy/digestions, animal birthing, and animal health of eight different livestock animals, Greenhouse management, Managing beehives, Composting.

Resources Used:

ctcag.com and Agricultural Experience Tracker (AET) on line tracking system.

Postsecondary Partners:

Michigan State University, Baker College, Dordt University, Grand Valley State University, Morehead University.

Work-Based Learning: All students at CTC have the opportunity to participate in experiences (such as guest speakers, tours, and work experiences) that connect them with local employers in their program area.

WBL Partners: Dykhuis Farms, Jelsema Vet Clinic, Spring Meadow Nursery, Inc. Big Dutchman, Zeeland Farm Services, Inc., and additional placements that meet students needs.

Safety Training Provided In: YQCA, FAMACHA, Program Safety, Animal Safety, Greenhouse Safety (IPM), and OSHA 10-Hour General Industry.

Student Leadership Opportunities: National FFA Organization.

Offsite Delivery: Students will complete SAE hours offsite with area businesses.

Capstone: Upon course completion and with teacher recommendation, qualifying students may extend their learning through Capstone. This highly independent course has rigorous attendance and employability requirements. Enrollment starts in May. See your work-based learning coordinator for more information.