

BRADFORD AGRICULTURAL EDUCATION

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Jay Roberts, FFA Member

"FFA to me is a great experience to have in high school. It teaches leadership skills to use in every part of life in the workforce to just day to day tasks."



Mercedes Smith, FFA Member

"Being apart of FFA has changed my life for the better. Not only do I appreciate agriculture more, but I've also learned to be confident in my decisions and abilities and to be open to new experiences."



Alexis Barhorst, FFA Member

"I believe FFA will change my life by making my leadership skills better and by making my communication skills will grow. FFA will help me build a special character in myself."

AGRICULTURAL EDUCATION

What is it?

Through agricultural education, students are provided opportunities for leadership development, personal growth and career success.

Agricultural education instruction is delivered through three major components:

- Classroom, Laboratory and Shop Instruction
- Supervised Agricultural Experience Programs
- Student Leadership Organization: National FFA Organization

Our courses are open to farming and non-farming students, boys and girls, college-bound and general curriculum students. Students will quickly find their place in the program through participation in activities. In the rest of this booklet are some things you can expect to gain by being a part of the Bradford Agricultural Education Program.



CLASSROOM, LAB AND SHOP

Overview

Agricultural education prepares students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber and natural resources systems. Students learn about all aspects of agriculture through engaging, hands on learning methods. Students learn valuable employability skills that all students can apply in a future career no matter what career choice they make. Students also complete a shop project.



CLASSROOM, LAB AND SHOP

Courses

Agriculture Food and Natural Resources (Freshmen)

Students will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.



CLASSROOM, LAB AND SHOP Courses

Animal and Plant Science (Sophomores)

Students will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production.

*Students are able to earn 1 science credit by taking and passing both the Agriculture, Food and Natural Resources course AND the Animal and Plant Science course. You CAN NOT earn a 1/2 science credit for just taking one of the two courses.



CLASSROOM, LAB AND SHOP

Courses

Mechanical Principles (Juniors/Seniors)*

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

*This course is on an every other year rotation with the Business Management for Agricultural and Environmental Systems course.



CLASSROOM, LAB AND SHOP

Courses

Business Management for Agricultural and Environmental Systems
(Juniors/Seniors)*

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

*This course is on an every other year rotation with the Mechanical Principles course.

Agricultural and Environmental Systems Capstone (Seniors ONLY)
This is a work placement option where student go to work for a portion of their school. See Mr. Baumer for details.



SUPERVISED AGRICULTURAL EXPERIENCE

Overview

Through their involvement in their SAE program, students are able to consider multiple careers and occupations, learn expected workplace behavior, develop specific skills within an industry, and are given opportunities to apply academic and occupational skills in the workplace or a simulated workplace environment. Through these SAE programs, students learn how to apply what they are learning in the classroom as they prepare to transition into the world of college and career opportunities.



SUPERVISED AGRICULTURAL EXPERIENCE

Overview

All students will conduct a Supervised Agricultural Experience (SAE) Program that related to agriculture, food or natural resources. These can come in the form of a job placement, entrepreneurship, research or exploratory type program. We work to create a program that the student is passionate about by relating it to a future career choice they have or an interest or hobby that they may have. We relate their programs back to these things because the student is more likely to gain something from their program that will benefit them in their future. We have students doing everything from raising livestock, working for agricultural businesses, running their own business, running their own garden, job shadowing and much more.



NATIONAL FFA ORGANIZATION

Overview

FFA is an intracurricular student organization focused on agriculture and leadership. FFA meetings, community service projects, leadership opportunities, camps, trips, recognition programs, contests and much more can all be expected.



NATIONAL FFA ORGANIZATION

Activities

National FFA Convention (Indianapolis, Indiana)

Ohio FFA State Convention

Ohio FFA Camp Muskingum

Washington Leadership Conference

Community Service Projects

National FFA Week

Career Development Events (CDE) (contests)

Leadership Nights

FFA Meetings

Ag Day

Ohio FFA Greenhand Camp

Ohio FFA Day with Ohio State Hockey

Farm Science Review

Bradford Pumpkin Show

And much more!



LEADERSHIP

2020-2021 Bradford FFA Officer Team

President, Alexis Barhorst

Vice President, Isabella Hamilton

Secretary, Molly Clark

Treasurer, Dalton Reck

Reporter, Isabella Brewer

Sentinel, Courtney Riffell

Parliamentarian, Justin Bryan

Historian, Jayden Dues



BEYOND HIGH SCHOOL

What comes next?

Students enrolled in Agricultural Education have the opportunity to take advantage of several opportunities that could be beneficial to them after high school.

Students in FFA have access to over \$2 million dollars in scholarship money every year through the National FFA Foundation and the agricultural industry.

For those interested in pursuing a career in agriculture whether joining the industry right after high school or pursuing a degree in an agricultural, food or natural resources degree at a university or college, there are opportunities to earn industry credentials and college credit.

If you are interested in any of these opportunities, contact Mr. Baumer.





Aidan Beachler, FFA Member

"FFA is a great experience for any high schooler whether you are involved in agriculture or not. I enjoy FFA because of all the fun things we do such as going on trips or making things in the shop. FFA will teach you how to be a leader and many other useful qualities. This is why I'm in FFA and hopefully why you should join too!"



Joe Hurst, Superintendent

"FFA is an organization that is near and dear to my heart. It has taught me valuable skills in leadership and organization while developing a lifelong network of friends."



Wendy Ray, Guidance Counselor

"It has had the biggest impact to Bradford curriculum in over 10 years!"

UPPER VALLEY
CAREER CENTER
SATELLITE PROGRAM

**Bradford Agricultural Education Instructor
and FFA Advisor: Mr. Nic Baumer**

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