

## Career Success

Farmers represent a vital, but small, segment of the agriculture industry.

Yet, agriculture is the nation's largest employer with more than 22 million workers. Agriculture education prepares students for more than 300 careers that help provide the renewable food, fuel and fiber staples of life:

- Engineer
- Veterinarian
- Dietitian
- Environmental Specialist
- Biologist
- Chemist
- Plant Breeder
- Entrepreneur
- Floral Designer
- Landscape Architect
- Food Scientist



## FFA Motto

**Learning to Do, Doing to Learn, Earning to Live, Living to Serve.**

Students enrolled in agriculture education may join the Edwardsville FFA Chapter. Students who participate in FFA have many opportunities to advance their interest in specific career paths through meaningful and relevant activities:

- State and national FFA conventions
- Career Development Events (CDEs)
- Supervised Agricultural Experiences (SAEs)
- Alumni-sponsored college scholarships



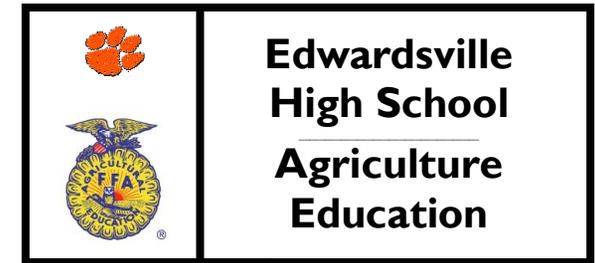
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## Premier Leadership



## Personal Growth



## Career Success



## Coursework for Personal Growth



### **Introduction to the Ag Industry**

**Grades: 9 & 10**

Introduction to the Agricultural Industry provides an opportunity for students to learn how the industry is organized, its major components, economic influence and scope and types of jobs.

Basic concepts in animal, plant, environmental and soil science, horticulture, natural resources, agribusiness management, mechanics, biotechnology, food science technology and aquaculture are taught.

### **Horticultural Production & Management**

**Grades: 11 & 12**

This advanced course covers floriculture and landscape. Study includes plant identification, greenhouse management and culture, care and handling of cut flowers and floral design. Also included are landscape design, installation and maintenance; horticulture mechanics, nursery management and turf production. Agribusiness units cover operating a horticultural business from sales to advertising.

### **Biological Science Applications in Agriculture – Animal Biology**

**Grades: 10 - 12**

This course is designed to reinforce and extend understanding of animal biology by associating scientific principles and concepts

with relevant applications in agriculture. Students examine major phases of animal agriculture and biological science concepts that govern management decisions. Topics include growth and development of animals and processing animal products. The course prepares students to continue their education in animal biology or veterinary science.

### **Biological Science Applications in Agriculture – Plant Biology**

**Grades: 10 - 12**

This course fulfills college lab science entrance requirements. Students examine major phases of plant growth and management in agriculture and biological concepts that govern management decisions, including initiating and managing plant growth. The course increases knowledge and understanding of plant parts and systems and prepares students to continue their education in plant biology.

### **Veterinary Science**

**Grades: 11 & 12**

This course will develop understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices and animal services to humans. Career exploration



includes veterinarian, lab and nutrition technicians and assistants and small animal production.



### **Agricultural Business Management**

**Grades: 11 & 12**

This course provides students with basic knowledge and skills to manage personal finances and develop into a successful entrepreneur and/or businessperson. Study includes business ownership types, starting, managing, financing and operating an agribusiness, recordkeeping and financial management, taxes, sales and marketing and more. Student skills are enhanced in math, reading comprehension and writing. Improving computer and workplace skills are a focus, along with FFA and Supervised Agricultural Experience (SAE) projects.

## Premier Leadership

Students in the EHS agricultural education program get involved with community outreach and education activities:

- Kindergarten barnyard tours
- First grade EHS greenhouse tours
- Second grade global agriculture learning
- District 7 middle school after-school agriculture science activity program
- Annual plant sale

