

Agricultural Science

Animal Science and Natural Resources



For Students Who Enjoy

- working with their hands
- the outdoors
- interacting with animals

Possible Careers

Game Warden Food Nutritionist

Soil Scientist Veterinary Technician

Farrier Teacher

Veterinarian Entomologist Geneticist

Geologist Biologist Greenhouse Manager

Meat Inspector Landscape Designer

Farm Manager Auctioneer



Student Organization

FFA is a dynamic youth organization that changes lives and prepares members for premier leadership, personal growth, and career success through agricultural education. In FFA students have the opportunity to participate in competitions such as Horse Judging, Poultry Judging, and Forestry, along with many more at both the State and National level. Students also have the chance to be part of our annual Farm to Table Supper, Farm Day, Swine Project, and Greenhouse Sales. We serve the community through Petting Zoos, Operation Christmas Child, Angel Tree and more. Meetings are held monthly.

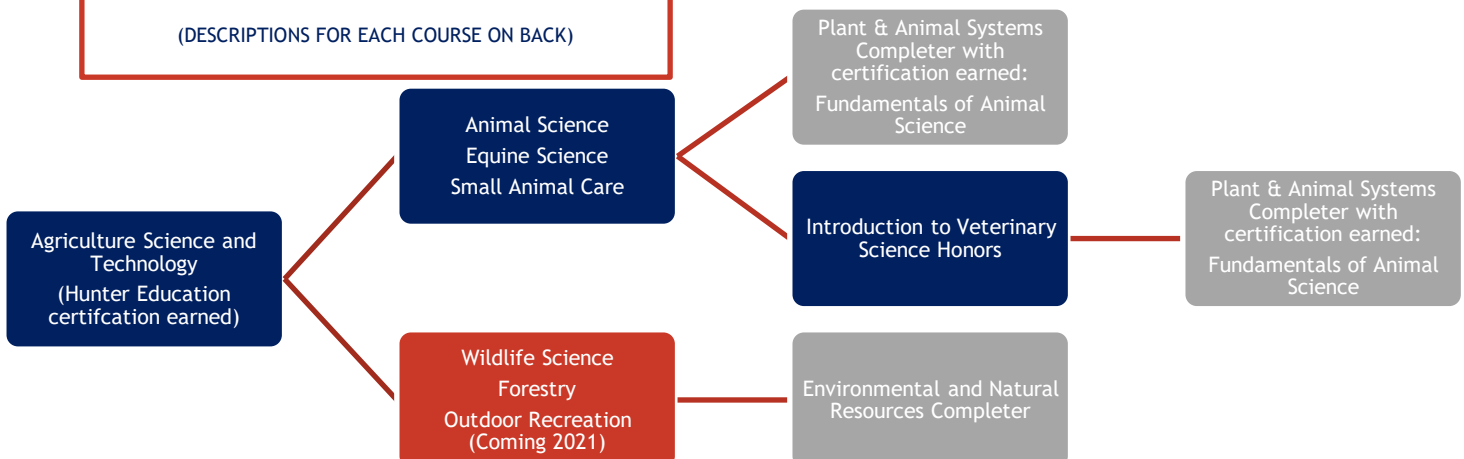
Certifications Earned

Fundamentals of Animal Science

Hunter Education

Courses Offered at Clover High School

(DESCRIPTIONS FOR EACH COURSE ON BACK)



Course Descriptions

Agricultural Science and Technology – 1 Unit – Grades 9–10

College Preparatory Prerequisites: none

The Agricultural Science and Technology course is designed to teach essential concepts and understanding related to plant and animal life including biotechnology, conservation of natural resources, and the impact of agriculture and natural resource utilization on the environment. Emphasis is placed on the role of agriculture in our society and the importance of agriculture to the welfare of the world. Basic personal and community leadership and safety, and agricultural mechanical technology are included as a part of the instructional program. Learning activities include hands-on experiences performing basic principles of plant, soil and animal science; studying and modeling the significance of humankind's inter-relationship with soil, water, and air; and participating in FFA activities. **[562400CW]**

Animal Science – 1 Unit – Grades 10–12

College Preparatory Prerequisite: Agriculture Science and Technology

The Animal Science course is designed to provide an overview of the Animal Science industry. It provides information on the biological make-up of various species of agricultural livestock. It also provides students with information on animal behavior that would be beneficial before embarking on a career in Animal Science. This course is a good prerequisite for other courses in Animal Science. Typical instructional activities include hands-on experiences with the principles and practices essential in the production and management of farm animals and farm animal products for economic, recreational and therapeutic uses; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities. **[560300CW]**

Small Animal Care – College Preparatory – 1 Unit – Grades 10-12

College Preparatory Prerequisite: Agricultural Science and Technology

The Small Animal Care course is designed to teach technical knowledge and skills for occupations in the pet industry or the companion animal industry. Skills also relate to the veterinarian or the veterinarian technician career field. Typical instructional activities include hands-on experiences with cats, dogs, rabbits, fish, etc., participating in personal and community leadership activities, planning relevant school-to-work transition experiences and participating in FFA activities. **[561200CW]**

Equine Science – 1 Unit – Grades 11–12

College Preparatory Prerequisite: Agricultural Science and Technology

The Equine Science course is designed to teach essential concepts and practical experience related to the care taking and production of horses. Instruction emphasizes knowledge and understanding of the importance of maintaining, selecting, and managing horses. Basic methods and safety techniques are included in the program. Typical instruction activities include hands-on experiences in saddling, bridling, grooming, and judging horses; feeding and health techniques; housing design and participating in FFA activities. **[567900CW]**

Introduction to Veterinary Science – 1 Unit – Grades 11-12

Honors Prerequisite Agricultural Science with at least 1 from the following: Animal Science / Small Animal Care / Equine Science

In this advanced animal science course, students will explore the field of veterinary medicine. Students will study the role of a veterinarian and veterinary technician in the diagnosis and treatment of animal diseases. Topics to be discussed include: veterinary terminology, anatomy and physiology, pathology, genetics, handling and restraint and physical examinations along with common surgical skills. Students will engage in a variety of laboratory activities, participate in shadowing and/or other school-to-work experiences and participate in FFA activities. **[561301HW]**

Wildlife Science – 1 Unit – Grades 10–12

College Preparatory Prerequisite: Agriculture Science and Technology

The Wildlife Science course is designed to teach technical knowledge and skills for entry-level positions in the conservation and/or management of wildlife enterprises. Typical instructional activities include hands-on experiences with analyzing problems and developing site plans including the essential elements, concepts, and skills related to wildlife management; understanding basic ecological concepts; implementing habitat management practices; identifying wildlife and fish species; analyzing policies, laws, and regulations, and using natural resources for outdoor recreation; participation in personal and community leadership development activities and planning and implementing a relevant supervised agricultural experience; and participating in FFA activities. **[567400CW]**

Forestry – 1 Unit – Grades 10–12

College Preparatory Prerequisite: Wildlife Science

The Forestry course is designed to teach technical knowledge and skills for entry-level positions in the production, protection, and management of timber and specialty forest resources. Typical instructional activities include hands-on experiences with assessing environmental factors affecting forest growth; cruising timber; planting trees; managing an established forest; selecting grading and marketing forest raw materials for converting into a variety of consumer goods; harvesting timber or pulpwood; operating and maintaining equipment; managing forests for multiple purpose uses such as game preserves and recreation; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities. **[564200CW]**