



## Animal Science *Statewide Program of Study*



The Animal Science program of study focuses on the science, research, and business of animals and other living organisms. It teaches CTE learners how to apply biology and life science to real-world life process of animals and wildlife, wither in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life. Students may also research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.

### Gladewater Pathway Courses

#### Level 1 (9th grade)

- PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES

#### Level 2 (10th grade)

- LIVESTOCK PRODUCTION/LAB

#### Level 3 (11th grade)

- VETERINARY MEDICAL APPLICATIONS/LAB

#### Level 4 (12th grade)

- ADVANCED ANIMAL SCIENCE

### Industry-Based Certification

- ELANCO FUNDAMENTALS OF ANIMAL SCIENCE CERTIFICATION

# Animal Science

## Course Information



### Principles of Agriculture, Food, and Natural Resources Credit: 1

- **TSDS PEIMS Code:** 13000200 (PRINAFNR )
- **Grade Placement:** 9-12
- **Prerequisite:** None.
- **Course Description:** Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations.

### Livestock Production Credit: 1

- **TSDS PEIMS Code:** 13000300 (LIVEPROD )
- **Grade Placement:** 10-12
- **Prerequisite:** None.
- **Course Description:** In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry.

### Veterinary Medical Applications Credit: 1

- **TSDS PEIMS Code:** 13000600 (VETMEDAP )
- **Grade Placement:** 11-12
- **Prerequisites:** Equine Science, Small Animal Management, or Livestock Production.
- **Course Description:** Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species.

### Advanced Animal Science Credit: 1

- **TSDS PEIMS Code:** 13000700 (ADVANSCI )
- **Grade Placement:** 11-12
- **Prerequisites:** Biology and Chemistry or Integrated Physics and Chemistry (IPC ) Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production. Recommended Prerequisite: Veterinary Medical Applications.
- **Course Description:** Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.
- **Note:** This course satisfies a science credit requirement for students on the Foundation High School Program.

