

CFISD Advanced Animal Science K

Scope and Sequence

Endorsement: Business & Industry**Cluster:** Agriculture, Food, and Natural Resources**Meets advanced course requirement?** YES ▾**Program of Study:** Animal Science**Meets foundation requirement for math, science, fine arts, English, LOTE?** YES ▾**Course Description:**

This course is designed for students preparing for careers in the field of animal science. Emphasis will be placed on 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.

TEKS link

- 1 credit
- Grades 11-12
- Lab supplies or fee may be required
- Required prerequisites: Biology, Chemistry, **and** 1 credit of Animal Science courses
- Recommended prerequisites: Vet Med Apps

Industry Certification/Credential: CVA Level 1 (if not earned in Vet Med Apps)**TEA recognized IBC (to count toward program of study completion)?** YES ▾

Instructional Units	Grading Period
Introduction to Agriculture Education, Animal Science, and Careers Domestication Classification Livestock Production Centers Animal Welfare and Rights Animal Behavior Animal Facilities	N1 (fall)
Animal Cells and Tissues Respiratory & Circulatory Systems Nervous, Endocrine, & Renal Systems Digestive Systems Nutritional Requirements and Disorders	N2 (fall)
Reproductive Systems, Breeding Systems Fundamentals of Genetics Predicting Inheritance Diseases, Parasites, and Prevention	N3 (spring)
Products Selection Marketing Animal Evaluation Livestock Across the United States	N4 (spring)

Primary Instructional Materials: iCEV Agricultural Science Site by CEV Multimedia Ltd.**Supplementary Instructional Materials:** CASE Principles of Agricultural Science-Animal