

## CFISD Advanced Animal Science K

### Scope and Sequence

**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.

- ♥ 1 credit, Grades 11-12
- ♥ Required prerequisite: Biology, Chemistry; and Vet Med or at least 1 credit of Animal Science (Small Animal Mgmt and Equine Science or Livestock Production)
- ♥ Lab supplies or fee may be required.

[TEKS](#)

Program of Study: Animal Science

Cluster: Agriculture, Food, and Natural Resources

Endorsement: Business & Industry

- Meets advanced course requirement (Y/N): Y
- Meets foundation requirement for math, science, fine arts, English, LOTE (Y/N-area): Y - science

Industry Certification/Credentials: Complete CVA Level 1 (if not obtained while in Vet Med)

Instructional Units	Pacing
<b>1<sup>st</sup> Semester</b> Introduction to Agriculture Education Introduction to Animal Science Careers Domestication Classification Livestock Production Centers Animal Welfare and Rights Animal Behavior Animal Facilities	1 <sup>st</sup> Grading Period
Animal Cells Animal Tissues Respiratory & Circulatory Systems Nervous, Endocrine, & Renal Systems Digestive Systems Nutritional Requirements and Disorders	2 <sup>nd</sup> Grading Period
<b>2<sup>nd</sup> Semester</b> Reproductive Systems, Breeding Systems Fundamentals of Genetics Predicting Inheritance Diseases, Parasites Disease Prevention Infectious Disease-Causing Agents	3 <sup>rd</sup> Grading Period
Products Selection Marketing Animal Evaluation Livestock Across the US	4 <sup>th</sup> Grading Period

Primary Instructional Materials: iCEV Agricultural Science Site by CEV Multimedia Ltd.

Supplementary Instructional Materials: CASE Principles of Agricultural Science-Animal