

## 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, Grade 11-12
- ◆ Required prerequisite: Biology, Chemistry; and Vet Med or at least 1 credit of Animal Science (Small Animal Mgmt, or Equine Science or Livestock Production)
- ◆ Fees may be required.

TEKS

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 (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 Domestication Classification Livestock Production Centers Animal Welfare Animal Behavior Animal Facilities	1 <sup>st</sup> Grading Period
Cells Tissues Respiratory & Circulatory Systems Nervous, Endocrine, & Renal Systems Digestive Systems Nutritional Requirement	2 <sup>nd</sup> Grading Period
<b>2<sup>nd</sup> Semester</b> Fundamentals of Genetics Predicting Inheritance Feedstuffs Nutritional Disorders Rations Reproductive Systems, Breeding Systems Stages of Reproduction	3 <sup>rd</sup> Grading Period
Infectious Disease Causing Agents Diseases, Parasites Disease Prevention Products Selection Marketing	4 <sup>th</sup> Grading Period

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