

## CFISD Veterinary Medical Applications

### Scope and Sequence

**Course Description:**

This course is designed for students preparing for careers in the field of animal science. Topics covered include, but are not limited to career opportunities, entry requirements, industry expectations, animal systems, and veterinary practices as they relate to both large and small animal species.

- ◆ 1 credit, Grades 11-12
- ◆ Required prerequisites: Principles of Agriculture, Food, and Natural Resources and either Livestock Production, Small Animal Management, or Equine Science
- ◆ **CVA certification satisfies the requirement to earn a performance acknowledgement.**
- ◆ 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): N

Industry Certification/Credentials: **Certified Veterinary Assistant-Level I**

Instructional Units	Pacing
<b>1<sup>st</sup> Semester</b> Course Overview/Get to Know You Employability characteristics of a successful employee Safety Zoonotic Diseases Animal Behavior Animal Welfare	1 <sup>st</sup> Grading Period
Medical Terminology Prefixes, suffixes & roots Anatomical terms Body Systems using medical terminology Breeds	2 <sup>nd</sup> Grading Period
<b>2<sup>nd</sup> Semester</b> Anatomical Sites for injections Vital signs Mathematical Calculations Animal Disease Health Pathogens Treatment Immunity & Disease Transmission Surgical Tools Hematology	3 <sup>rd</sup> Grading Period
Internal & External Parasites Clinical Examination Hospital Procedures Imaging Equipment Surgical Procedures Pharmacology Procedures <b>Certified Veterinary Assistant-Level I</b>	4 <sup>th</sup> Grading Period