

## 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 requirement to earn a performance acknowledgement.
- ◆ Lab supplies or fee 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): N

Industry Certification/Credentials: OSHA 10-Hour Certification (Optional), Certified Veterinary Assistant-Level I

Instructional Units	Pacing
<p><b>1<sup>st</sup> Semester</b></p> <p>Course Overview/Get to Know You</p> <p>Employability characteristics of a successful employee</p> <p>Hospital Management &amp; Marketing of Veterinary Clinics &amp; Hospitals</p> <p>Effective Communication</p> <p>Develops an SAE as it relates to Agriculture – Record Book</p> <p>Ethics &amp; Laws</p> <p>Human Bond</p> <p>Animal Interaction</p> <p>Animal Rights vs Animal Welfare</p> <p>Safety</p> <p>Animal Identification, Characteristics &amp; Behavior</p> <p>Common Breeds</p> <p>Handling/Restraining</p> <p>Animals in Society</p> <p>Historical events that have influences animal use</p> <p>Legal aspects of welfare and rights</p> <p>Domestication</p> <p>Policies &amp; Procedures/Local, State &amp; Federal Laws</p>	<p><b>1<sup>st</sup> Grading Period</b></p>
<p>Medical Terminology</p> <p>Prefixes, suffixes &amp; roots</p> <p>Anatomical terms</p> <p>Body Systems using medical terminology</p> <p>Body Systems</p> <p>Skeletal, Muscular, Respiratory, Circulatory, Digestive, Endocrine, &amp; Nervous Systems</p> <p>Review &amp; Testing</p>	<p><b>2<sup>nd</sup> Grading Period</b></p>

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<p>2<sup>nd</sup> Semester</p> <ul style="list-style-type: none"><li>Anatomical Sites for injections</li><li>Vital signs</li><li>Mathematical Calculations</li><li>Animal Disease<ul style="list-style-type: none"><li>Health</li><li>Pathogens</li><li>Treatment</li><li>Immunity &amp; Disease Transmission</li></ul></li><li>Internal &amp; External Parasites</li><li>Clinical Hematology and Pathology</li></ul>	<p>3<sup>rd</sup> Grading Period</p>
<ul style="list-style-type: none"><li>Clinical Examination</li><li>Hospital Procedures<ul style="list-style-type: none"><li>Imaging Equipment</li></ul></li><li>Surgical Procedures</li><li>Pharmacology Procedures</li><li>Review &amp; Finals</li></ul>	<p>4<sup>th</sup> Grading Period</p>

Primary Instructional Materials: iCEV Agricultural Science Site by CEV Multimedia Ltd., ACT certification prep materials