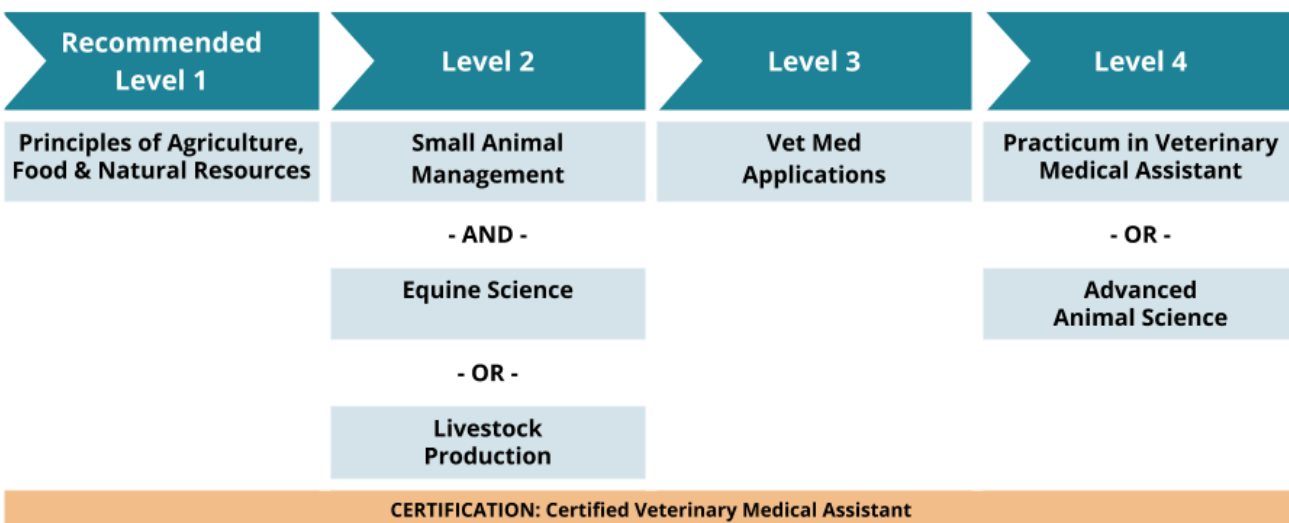


# Animal Science / Veterinary Medical Assistant Pathway



## BUSINESS & INDUSTRY ENDORSEMENT



### PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD #: 904018 PEIMS: 13000200  
 Grades: 9-10 1.0 Credit  
 Prerequisite: None

Student will be gain introductory knowledge of all aspects in agriculture including agricultural career development, leadership, communications, personal finance, mechanized agriculture, soils, plants, animals, agricultural construction, food science, and supervised agricultural experience programs.

### EQUINE SCIENCE

KISD #: 907218 PEIMS: 13000500  
 Grades: 10-12 0.5 Credit  
 Prerequisite: None

Students will identify career opportunities, industry expectation, and attain general knowledge of horses, mules and donkeys. Areas of study shall include but are not limited to: breed identification, anatomy and physiology, nutrition, reproduction, diseases, parasites, proper handling, training, confirmation, and selection of horses.

### SMALL ANIMAL MANAGEMENT

KISD #: 907718 PEIMS: 13000400  
 Grades: 10-12 0.5 Credit  
 Prerequisite: None

Students will be provided with opportunities to learn, reinforce, and apply information in a variety of settings in the areas of small animal, systems/business and associations. Subject areas in this course to be covered are but not limited to: small mammals, amphibians, reptiles, birds, dogs, cats and species specific information. Study will also highlight ownership, hazards, and welfare of small animals.

### LIVESTOCK PRODUCTION

KISD #: 906918 PEIMS: 13000300  
 Grades: 10-12 1.0 Credit  
 Prerequisite: None

Students will develop knowledge and skills pertaining to the nutrition, reproduction, health and management of domestic livestock. Study of animal systems, animal restraint, business management, and careers are included.

### **VETERINARY MEDICAL APPLICATIONS**

**KISD #:** 907418      **PEIMS:** 13000600  
**Grades:** 11-12      **1.0 Credit**  
**Prerequisite:**      **Small Animal and Equine Science or**  
                                 **Livestock Production**

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Students will be provided opportunities to demonstrate proper knowledge and skills in the veterinary medicine industry. Topics to be covered in this course are, but not limited to veterinary practices and knowledge as they relate to both large and small animal species. Subject areas include: animal behavior, communication, species/breed information, diseases/disorders, parasites, clinical examinations, imaging equipment, hematology, hospital procedures, and surgical assisting procedures.

### **ADVANCED ANIMAL SCIENCE**

**KISD #:** 907018      **PEIMS:** 13000700  
**Grades:** 11-12      **1.0 Credit/4<sup>th</sup> Science Credit Option**  
**Prerequisite:**      **Biology and Chemistry or**  
                                 **Integrated Physics and Chemistry**  
                                 **(IPC); Algebra I and Geometry and**  
                                 **Small Animal and Equine Science or**  
                                 **Livestock Production or Vet Med**  
                                 **Applications**

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Students will gain an advanced understanding of animal science. Included in the course are experiments, laboratory explorations, and the study of reproduction, breeding, genetics, anatomy, physiology, nutrition, health, and the marketing and harvesting of domestic livestock.

**Required Fee/Materials:**      Yes  
**Advanced Grade Points:**      Yes

### **PRACTICUM VETERINARY MEDICAL ASSISTING**

**KISD #:** 907618      **PEIMS:** 13002500  
**Grades:** 11-12      **2.0 Credits**  
**Prerequisite:**      **Veterinary Medical Applications**  
                                 **and Approval Process**

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Students will participate in a continuation of the Veterinary Medical Applications course gaining more in-depth knowledge in animal anatomy, animal disease, treatment techniques, lab procedures, emergency procedures, and clinical operations. Students will be required to participate in clinical rotations, gaining hands-on experiences working in various veterinary assistant positions.

**Required Fee/Materials:**      Yes  
**Industry Certification:**      Certified Veterinary Assistant (CVA)  
**Transportation Needed:**      Yes  
**Approval Process:**      Yes