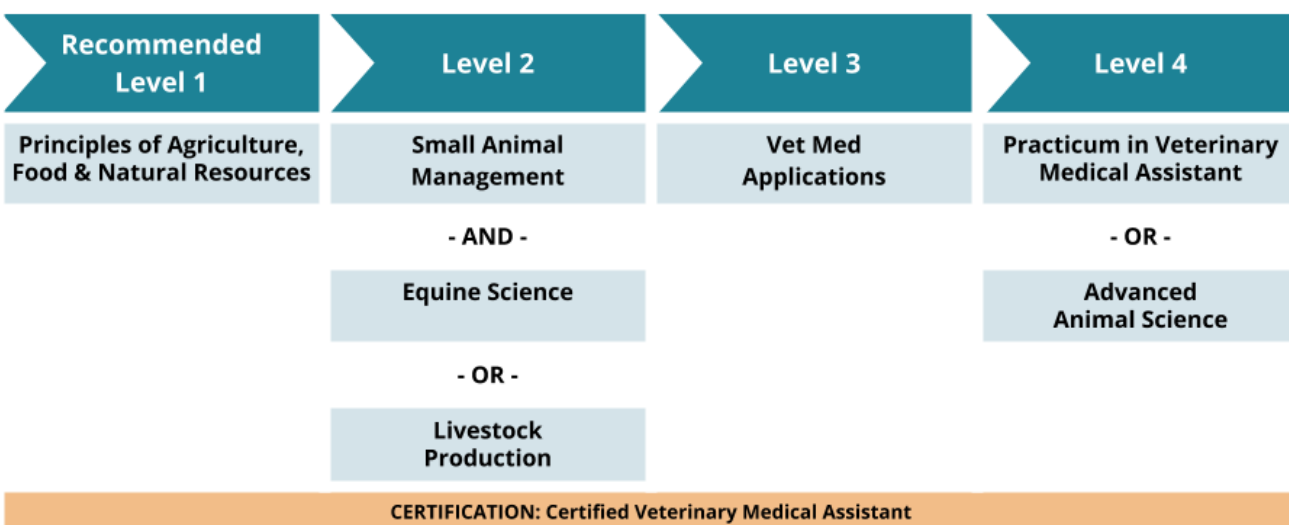


Animal Science / Veterinary Medical Assistant Pathway



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**

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 Grade Points: Yes

ADVANCED ANIMAL SCIENCE

KISD #: 907018

PEIMS: 13000700

Grades: 11-12

1.0 Credit/4th 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**

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: 12

2.0 Credits

Prerequisite:

**Veterinary Medical Applications
and Approval Process**

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

Advanced Grade Points: Yes

Hybrid: Yes

Industry Certification: Certified Veterinary Assistant (CVA)

Transportation Needed: Yes

Approval Process: Yes