



Agriculture, Food, and Natural Resources Career Cluster

The Agriculture, Food, and Natural Resources (AFNR) career cluster focuses on the essential elements of life, food, water, land, and air. This career cluster includes occupations ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist.

Program of Study: *Veterinary Studies*

The Veterinary Studies program of study focuses on occupational and educational opportunities associated with the science, research, and business of animals and other living organisms. This program of study includes applying biology and life science to real-world life processes of animals and wildlife, either in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life. Students will research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.

Secondary Courses for High School Credit

9th Grade	Principle of Agriculture, Food, and Natural Resources
10th Grade	Veterinary Science
11th Grade	- Scientific Research & Design: Veterinary Clinical Skills - Advanced Animal Science - Advanced Animal Science (Dual Credit)
12th Grade	- Practicum in Agriculture (Ag Center) - Practicum in Agriculture (Veterinary)
Optional Electives	- Wildlife, Fisheries, and Ecology Management - Small Animal Management - Equine Science - Livestock and Poultry Production - Agribusiness Marketing & Management - Career Prep 1

Internship and Practicum Opportunities

Students have the opportunity to gain hands-on experience in a variety of different businesses. There are numerous internships opportunities including the following: **Woodland Springs, VO Vets, PetVet365, City Vet Keller, and more.**

Career and Technical Student Organization (CTSO)

FFA

National FFA Organization

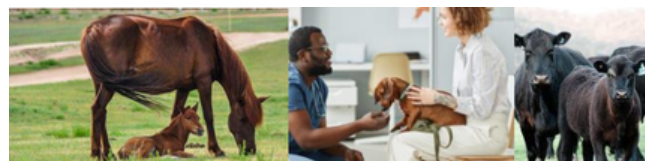
Career & Technical Student Organizations (CTSOs) are student-led organizations that build leadership, career skills, and real-world experience through competitions, networking, and hands-on learning.

Aligned Industry-Based Certifications

- Certified Veterinary Assistant (CVA)
- Equine Specialist (iCEV) Management & Evaluation
- Elanco Veterinary Medical Applications (iCEV)
- Elanco Animal Science (iCEV)



Successful completion of the Veterinary Studies program of study will fulfill requirements of the **Business and Industry endorsement.**



Example Postsecondary Opportunities

Apprenticeships

- Reproduction Technician

Associate Degrees

- Biological and Physical Sciences
- Entomology

Bachelor's Degrees

- Animal Science
- Zoology/Animal Biology

Master's, Doctoral, and Professional Degrees

- Marine Sciences
- Biotechnology

Additional Stackable IBCs/License

- Veterinarian
- Certified Veterinary Technician



Example Aligned Occupations

Veterinary Assistants and Laboratory Animal Caretakers

Median Wage: \$29,906
Annual Openings: 1,348
10-Year Growth: 24%

Veterinary Technologists and Technicians

Median Wage: \$33,679
Annual Openings: 1,217
10-Year Growth: 24%

Veterinarian

Median Wage: \$103,160
Annual Openings: 347
10-Year Growth: 26%

For more information, visit
the KISD Course Guide
<https://tinyurl.com/464uxm25>

