

ANIMAL SCIENCE PATHWAY



Program Description

Students trained in the Animal Science Pathway will develop an overview of animal science fundamentals and applications. Our program uses an animal farm and local veterinary hospitals as an extension of the classroom. Upon completion of the pathway requirements, students will have the basic working knowledge and skills needed to be competitive and highly marketable. Students successfully completing the program requirements will be able to explain the general organization and functions of animal agriculture, breeds of livestock, the animal industry, animal nutrition and reproduction, and veterinary assistant procedures. Students will be able to demonstrate knowledge and application of the fundamentals of medical terminology, equipment, and safety in the workplace. The students will have the capability to pursue an animal science career with continued specialized training. Further post-secondary education is highly recommended.

For more information go to:

- www.onetonline.org
- www.bls.gov/ooh/
- www.careeronestop.org
- www.virtualjobshadow.com
- www.collegegrad.com
- www.cacareerzone.org

Interview Ready Portfolio

- Job Application
- Resume
- Cover Letter & Thank You Letter
- Letters of Recommendation
- Certificates of Achievement / Awards



CTE PATHWAY CORD REQUIREMENTS

Introductory Course (optional):

- Biology and Agriculture

The following courses and program components are required for the pathway graduation cord and require a grade of “C-” or better:

Concentrator Course:

- Animal Science

Capstone Course:

- *Veterinary Technician

* course offered at RVHS campus

Experiential Learning (20 hours):

- Projects require prior approval from instructor and instructor grade upon completion

Interview Ready Portfolio:

- Complete the Interview Ready Portfolio; including a final interview with a business partner

Upon completion of the program requirements, a certificate and graduation cord will be awarded.



CTE Pathways to the Future

ANIMAL SCIENCE PATHWAY



TECHNICAL SKILLS

Students learn to apply industry standard equipment and medical practices

REAL WORLD LEARNING

In Vet Tech, students will apply their learning in real life simulations by completing a 20-hour internship at veterinary facilities.



CAREER EXPLORATION

Students will explore career options and post high school requirements needed to transition to employment or additional education and training



STUDENT LEADERSHIP

Leadership training is an integrated component of the Animal Science Pathway

Careers in this Pathway include:

- Veterinarian
- Animal Nutrition Specialist
- Registered Veterinary Tech
- Fish and Game Warden
- Animal Welfare Specialist
- Breed Analyst

Veterinarians

2016 Employment
7,400

2026 Employment
8,900

Percent Change
(2016-2026)
20.3%

**Annual Projected
job openings**
430

Median Hourly Wage
\$52.52

Median Annual Wage
\$109,244

Entry Level Education
Doctoral or Professional
Degree

Source: EDD/LMID, California
Projections 2016-2026