



AGRICULTURE & NATURAL RESOURCES SECTOR

Animal Science Pathway (103)

Offered at Orange High School

Vocational Education Level	Course Name	Course Number	Articulated	Voc. Ed Level Label
01	Animal Science (UC-G)	O700 *		Introductory
02	Animal Care II	O701		Concentrator
03	Veterinary Science (UC-G)	O703 *		Capstone
03	Professional Internship	O745		Capstone

ANIMAL SCIENCE

O700 *

This course provides students with classroom instruction in the animal care field. Essential employability skills include career opportunities in the animal care field, plus personal and interpersonal skills, career development and employment literacy. The class includes content area instruction in: animal handling and restraint, medical/scientific terminology, immunology/physiology, sanitation, safety, nutrition/health, domestic/exotic breeds and species, genetics, cellular biology, animal behavior, conservation/ecology, evolution and animal traits, scientific theory and general animal husbandry. Students may continue in Animal Care II for an internship experience. Course meets California science standards and affords students 10 credits of Life Science for graduation. Animal Science is UC approved as a "G" Elective.

ANIMAL CARE II

O701

Course combines classroom instruction and community classroom internship for those students who would like to enter or expand their skills in the animal care field. Students will select a focus area for internship training: zoo/nature center, veterinary, kennel, pet store, groomer or stable. Those students who obtain related employment are eligible for expanded CTE hours to attain higher level proficiencies. Students will concentrate on higher level thinking skills and expand their knowledge of: ecology and conservation, animal health and safety, animal behavioral concepts and operant condition techniques. Students will learn canine CPR and first aid, practice public speaking and develop a working portfolio. Students will explore further into career choices with field trips and in-classroom speakers. Students will be required to present a research presentation on an endangered species as a final project.

VETERINARY SCIENCE

O703 *

Students will acquire an understanding of advanced animal principles. The combination of science projects, lab experience and academic research enables students to become knowledgeable in the field of veterinary science. This course prepares students for post-secondary level education, leading to careers in animal science, biology, zoology, and/or veterinary science. Veterinary Science is UC approved as a "G" Elective.

PROFESSIONAL INTERNSHIP

O745

This practicum and internship course allows the students to apply academic and career readiness skills in a workplace environment. Instruction will combine standards-based classroom instruction with extended on-site industry experience. Students will learn all aspects of Professionalism, and apply 21st Century Skills of Communication, Collaboration, Critical Thinking, Creativity and Problem Solving in a real world setting. Interested students can prepare to take the WorkKeys National Career Readiness Certificate.



Canyon High School Pathways

<http://www.canyonhighschool.org/academics/CTE>

El Modena High School Pathways

http://www.elmodenahs.org/apps/pages/index.jsp?uREC_ID=382265&type=d&pREC_ID=879439

Orange High School Pathways

<http://www.orangeusd.org/ohs/docs/pathwaysflyer.pdf>

Villa Park High School Pathways

http://www.villaparkhigh.org/apps/pages/index.jsp?uREC_ID=419726&type=d&pREC_ID=917448

Richland High School Pathways

<http://www.orangeusd.org/CTE/index.asp>

