



Animal Systems: Veterinarian, Veterinarian Technician, Veterinarian Assistant, Animal Nutrition

Cluster Overview: Focuses on careers in the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources.

Student Name _____

ID _____ **Grade:** 9 10 11 12

Entered 9th grade: 20____ - 20____

Diploma Plan: RHSP DAP* MHSP TEXAS SCHOLAR

Note 1: Health and technology Applications locally required Note 2: Entered 9th grade in 2010 - 2011 and thereafter must include Fine Arts

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:						
High School	9th	Core Courses:	English I / PAP Algebra I / Geometry / PAP Biology / PAP	World Geography / PAP Spanish I P. E. Fine Arts / Tech App (BIM)				
		Career-Related Electives:	Principles of Agriculture, Food and Natural Resources / Livestock Production or (BIM)					
	10th	Core Courses:	English II / PAP Geometry / Algebra II / PAP Chemistry / PAP IPC	World History / PAP Spanish II (BIM)Tech App / Fine Arts	Elective: Elective:			
		Career-Related Electives:	Principles of Agriculture, Food and Natural Resources/ Livestock Production or / Equine Science or Small Animal Management or Veterinary Medical Applications					
	11th	Core Courses:	English III / AP Algebra II* / MMA / Pre-Cal / PAP / DC Physics* PTI Chemistry / PAP	Adv. Math IV United States History / AP / DC Professional Communications / Comm Appl / Health Spanish III / DC				
		Career-Related Electives:	Veterinary Medical Applications					
	12th	Core Courses:	English IV / AP / DC Math IV / Pre-Cal / PAP Calculus AP / Math DC	Algebra II / Adv Physics / PTI Government / AP / DC Economics / AP / DC Electives:	Fourth Science:			
		Career-Related Electives:	Advanced Animal Science Anatomy and Physiology					
On-the-Job Training		Agricultural Research Service Employee	Ranch or Stable Employee Pet Store Employee	Veterinary Clinic Employee Wildlife Center Employee				
		NOTE: These experiences may be started and/or completed as part of the high school experience.						
Certificates		Artificial Insemination Quality Beef Producer	Veterinary Assistant	OSHA CareerSafe				
		NOTE: Students may earn all or part of these certificates as part of the high school experience.						
Postsecondary	Associate Degrees	Biochemistry Technician Agricultural Technician	Registered Veterinary Technician Tissue Culture Technician	Veterinary Laboratory Technician Ranch and Feedlot Operations				
	Bachelor Degrees	Animal Science Biochemistry Management	Biomedical Science Range Equine Studies Physiology of Reproduction	Histotechnologist Microbiology				
	Graduate Degrees	Veterinary Anatomy Veterinary Pathology	Doctor of Veterinary Medicine with a specialization in: Companion Animal, Laboratory Animal	Range Animal Science Equine Practitioner Cattle Management	Beef			

Curricular Experiences:
[Health Occupation Student Association](#)
[Texas FFA Association](#)

Career Learning Experiences:
 Apprenticeship
 Career Preparation
 Internship
 Job Shadowing

Extracurricular Experiences:
 Agriscience Fair
 College of Veterinary Medicine Open House
 Farm Bureau Exchange Programs
 School Newspaper
 Student Government
 UIL Academic Competitions
 Yearbook
 Livestock Exhibition

Service Learning Experiences:
 Animal Emergency Response
 Animal Rescue
 Boy/Girl Scouts
 Children's Barnyard
 Community Service Volunteer
 Petting Zoos

COLLEGE CREDIT OPPORTUNITIES -- High School

Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses (Tech Prep), if possible. List those courses that count for college credit on your campus.

Students may select other elective courses for personal enrichment purposes.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2010. All plans meet high school graduation requirements as well as college entrance requirements.