

Course Title:	Veterinary Science I (H)
Grade(s):	11th/12th

Course Description
This introductory level course will focus on animal care in the home, laboratory, veterinary practice, and on the farm. Health terminology, equipment operation, methods of identification, and important veterinary body systems will be covered. Students will investigate the different careers in the veterinary industry and participate in hands-on labs that enrich the unit topics. Students enrolled in the Honors class will complete differentiated assessments and showcase knowledge of 25 parasites that can affect animal species.
Approved Curricular Materials/Textbook(s)

Unit Title	Unit Description (Include Unit Objectives)	Unit Pacing
Unit 1: Industry, Directional Terms, & First Aid	The focus of this unit is to investigate the veterinary industry, the roles of various professionals, career opportunities, educational backgrounds, basic veterinary terms, and first aid care practices. Students will: • Differentiate animal anatomical positions using directional terminology • Classify career opportunities and educational requirements of each • Determine the roles and responsibilities of those working in the industry • Evaluate educational opportunities for further education in the field	5 weeks
Unit 2: Skin, Cells, Tissues, & Parasites	This unit revolves around the components of the skin, cells that create different tissues, functions of each type of tissue, and the parasites that can negatively affect animals' health. Students will:	5 weeks

	● Investigate the components of the skin ● Classify the types of tissues in the animal's body and determine where they are located ● Identify parasites, classify them into types, and determine how they can negatively affect animal health	
Unit 3: Skeletal, Muscular, & Diagnostics	In this unit, students will investigate how animals move. Students will learn, label, and classify bones and describe how muscles and bones work together to allow animals to move effectively. Students will learn about the diagnostics available that can help indicate issues in an animal's health and/or movement abilities. Students will: ● Create a bone model of an animal's species ● Conduct a dissection resembling animal muscles, indicating contraction and relaxation ● Evaluate how diagnostics work, including different types of imaging	5 weeks
Unit 4: Blood, Cardiovascular, & Respiratory	This unit focuses on how animals breathe, live, and how blood circulates around an animal's body. Students will: ● Differentiate between components of blood and blood cells ● Create a path of oxygenated and deoxygenated blood ● Follow the path of blood flow throughout the animal's body ● Demonstrate how animals breathe (inhale and exhale)	4 weeks