

COURSE AT A GLANCE - Anatomy & Physiology

There are 11 components of our Anatomy & Physiology curriculum. They are numbered below (and in no particular order).

Semester 1		Semester 2	
Unit 1: Intro to Anatomy and Physiology	Standards	Unit 6: Nervous System	Standards
In this introductory unit, students will learn basic terminology to describe relationships and relative positions in the body.	HS-LS1-2 HS-LS1-3	Students will be able to label the structures of the neuron and describe the function. Students will identify the steps of an action potential for a nerve impulse action.	HS-LS1-2
Unit 2: Tissue	Standards	Unit 7: Cardiovascular System	Standards
Students will be able to identify the structure, function, and location of each of the epithelial, connective, nervous, and muscle tissues.	HS-LS1-2	Students will identify the major parts of the heart and describe the pathway blood flows through the heart. They will identify the major blood vessels and compare the structures and functions.	HS-LS1-2
Unit 3: Integumentary System	Standards	Unit 8: Digestive System	Standards
In this unit, students will learn to identify and distinguish between the 5 layers of the epidermis and list various skin functions.	HS-LS1-2	Students will identify the structures and explain the function of the organs of the digestive system. Students will determine the nutritional content of various foods.	HS-LS1-2
Unit 4: Skeletal System	Standards	Unit 9: Respiratory System	Standards
Students will be able to identify and label the structures of a long bone and distinguish between long, short, sesamoid, flat, and irregular bone types. Students will also learn how bones grow and repair.	HS-LS1-2	In this unit, students will identify the structures of the respiratory and describe the function of each.	HS-LS1-2
Unit 5: Muscular System	Standards	Unit 10: Excretory System	Standards
Students will compare and distinguish the differences between smooth, cardiac, and skeletal muscle, and be able to identify and locate the major skeletal muscles along with their actions.	HS-LS1-2	Students will identify the key structures within the urinary system and describe urine formation.	HS-LS1-2
		Unit 11: Reproductive System	Standards

		Students will identify the key structures of the male and female reproductive system, and explain the formation of egg and sperm.	HS-LS1-2
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