Georgia Science

Human Anatomy & Physiology

Adopted 2019

Obtain, evaluate, and communicate information to analyze anatomical structures of the human body. SAP1	**a.** **Develop and use models to demonstrate the orientation of structures and regions of the human body.** SAP1.A
	b. **Construct an explanation about the relationship between a body structure (i.e., cells, tissues, organs, and organ systems) and its function within the human body.** SAP1.B
Obtain, evaluate, and communicate information to analyze the structure and function of the integumentary, skeletal, and muscular systems. SAP2	**a.** **Construct an explanation about the relationship between the structures of the integumentary system and their role in protection, eliminating waste products, and regulating body temperature.** SAP2.A
	b. **Develop and use models to relate the structure of the skeletal system to its functional role in movement, protection, and support.** SAP2.B
	c. **Develop and use models to determine the relationship between structures of the muscular system and their role in movement and support.** SAP2.C
	d. **Ask questions about how the interdependence of the integumentary, skeletal, and muscular systems makes support, protection, and movement possible.** SAP2.D
Obtain, evaluate, and communicate information to explain the coordination of information processing in the endocrine and nervous systems. SAP3	**a.** **Ask questions to investigate how the structures of the nervous system support the function of information processing (detection, interpretation, and response).** SAP3.A
	b. **Analyze and interpret data to explain how the hormones of the endocrine system regulate physical and chemical processes to maintain a stable internal environment.** SAP3.B
	c. **Ask questions about how the interdependence of the endocrine and nervous systems makes information processing (detection, interpretation and response) possible.** SAP3.C
Obtain, evaluate, and communicate information to analyze the an cardiovascular,	**a.** **Plan and carry out an investigation to explore the structures and role of the cardiovascular and respiratory systems in obtaining oxygen, transporting nutrients, and removing waste.** SAP4.A
	Develop and use models to explain the relationship between the structure and function of the digestive and urinary systems as they utilize matter to derive

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respiratory, digestive and urinary systems. SAP4	**energy and eliminate waste.** SAP4.B
	c. Ask questions about the interdependence of the cardiovascular, respiratory, urinary and digestive systems. SAP4.C
Obtain, evaluate, and communicate information to analyze the role of the reproductive system as it pertains to the growth and development of humans. SAP5	**a. Ask questions to gather and communicate information about how the structures of the reproductive system allow for production of egg and sperm, fertilization, and the development of offspring.** SAP5.A
	b. Develop and use models to describe the stages of human embryology and gestation. SAP5.B
	c. Ask questions about how the reproductive system makes growth and development possible. SAP5.C