

Anatomy & Physiology (10th Grade)				
Click HERE for standards (coming soon)				
Curriculum Resource - TPT It's Not Rocket Science - A&P (General and Honors Courses)				
Textbook: <i>Essentials of Human Anatomy & Physiology</i> , 13th Edition by Marieb & Keller, Pearson/Savvas Learning Company				
1st quarter	2nd quarter	3rd quarter	4th quarter	
Unit 1 - Introduction to Anatomy	Unit 2 - Support and Motion	Unit 4 - Transport	Unit 6 - Protection	
Big Picture	Big Picture	Big Picture	Big Picture	
-Biology Review	-The Skeletal System	-Blood	-The Integumentary System	
-Homeostasis and Regulation	-Movement	-The Cardiovascular System	-The Lymphatic System	
-Anatomy Basics	-The Muscular System	-The Respiratory System	-The Immune System	
Essential Question	Essential Question	Essential Question	Essential Question	
How is the human body organized to accomplish all of life's processes, all while maintaining homeostasis at an organ level, all the way down to a cellular level?	How do the skeletal and muscular systems work together to provide movement and support for the rest of the human body, while also contributing to the maintenance of homeostasis?	How is the body designed to utilize blood as the main transport mechanism of resources to all of the body systems in order to maintain homeostasis?	How does the body defend itself from environmental harm and detect, deflect, and destroy foreign invaders in order to maintain homeostasis?	
Unit Projects: Problem-Based Learning	Unit Projects: Problem-Based Learning	Unit Projects: Problem-Based Learning	Unit Projects: Problem-Based Learning	
-Feedback Mechanisms	-Movement Video	-Blood Flow Modeling	-The Skin	
-Cell Communication Breakdown	-Skeletal Muscle Model	-Defects and Diseases of the Cardiovascular System	-The Effectiveness of Sunscreen	
-Organs of the Human Body	-Musculoskeletal Disease Research Poster	-Journey of an Oxygen Molecule	-A Case for the Lymphatic System	
		-Lung Capacity	-A Look at Vaccines	
			-Infectious Diseases	
	Unit 3 - Control and Coordination	Unit 5 - Absorption and Secretion	Unit 7 - Reproduction	
	Big Picture	Big Picture	Big Picture	
	-The Nervous System	-The Digestive System	-The Reproductive System	
	-Senses	-Nutrition and Metabolism	-Fertilization	
	-The Endocrine System	-The Urinary System	-Pregnancy and Development	
	Essential Question	Essential Question	Essential Question	
	How does the body take in, process, and respond to stimuli in order to maintain homeostatic control and coordinate communication among the body systems?	How does the body effectively and efficiently absorb nutrients and excrete wastes from the food we eat in order to acquire necessary substances for maintaining homeostasis?	How is the body designed in order to create cells that allow for sexual reproduction to create offspring?	
	Unit Projects: Problem-Based Learning	Unit Projects: Problem-Based Learning	Unit Projects: Problem-Based Learning	
	-Neuron Communication and Signal Transmission	-Digestive System Children's Book	-Understanding the Female Cycle	
	-The Central Nervous System	-The Science Behind Fad Diets	-Path of a Sperm	
	-Hormone Ad	-A Can of Bull	-Fertilization Fairy Tale	
	-Disease Article		-Pregnancy	
	MidTerm - Muscle Fatigue		Final - Dissections	

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