

JASPER HIGH SCHOOL

Human Anatomy and Physiology

Pacing Guide

Week	Unit	Priority Standards	Supporting Standards
1	Unit 1 Anatomical Terminology, Organization & Tissues	HAP 1; embedded SEPs	Directional terms, regions, planes, cavities; cell structures; four tissue types
2	Unit 2 Integumentary System	HAP 2, 2a	Skin layers; accessory organs; thermoregulation; barrier defense
3	Unit 3 Skeletal System: Bones & Joints	HAP 3, 3a	Bone structure, axial/appendicular skeleton, joint types, growth and development
4	Unit 3 Skeletal System: Homeostasis	HAP 3b	Mineral storage; hematopoiesis/leukopoiesis; system interactions
5	Unit 4 Muscular System: Structure & Movement	HAP 4	Major muscles, origins/insertions, levers, movement and support
6	Unit 4 Muscular System: Muscle Physiology	HAP 4a, 4b	Sarcomere model; contraction/relaxation; fatigue and muscle tone
7	Unit 5 Nervous System: Organization & Transmission	HAP 5, 5a	CNS/PNS organization; neurons; action potentials; neural transmission
8	Unit 5 Nervous System: Response & Behavior	HAP 5b, 5c, 5d	Reflex arcs, special senses overview, neurotransmitters, emotions and memory
9	Unit 6 Endocrine System & Homeostasis	HAP 6, 6a, 6b	Hormones, glands, feedback loops, thyroid and gonadal axes
10	Unit 7 Immune & Lymphatic Systems	HAP 7, 7a, 7b	Immune cells, inflammation, vaccines, lymphatic/circulatory interactions
11	Unit 8 Cardiovascular System: Blood & Heart	HAP 8	Heart structure, blood components, circulation pathways, structure/function
12	Unit 8 Cardiovascular System: Pressure & Regulation	HAP 8a, 8b, 8c	Pressure gradients, heart rate, blood pressure, baroreceptors/chemoreceptors
13	Unit 9 Respiratory System	HAP 9, 9a, 9b, 9c	Gas exchange, ventilation pressure gradients, respiratory/circulatory interactions
14	Unit 10 Digestive System	HAP 10, 10a	Mechanical and chemical digestion, absorption, accessory organs
15	Unit 10 Digestive System & Homeostasis	HAP 10b	Nutrient use, waste removal, digestive-immune interactions
16	Unit 11 Excretory System	HAP 11, 11a	Kidney/excretory structures, blood pressure regulation, pH balance
17	Unit 12 Reproductive System & Course Synthesis	HAP 12, 12a; all HAP standards	Male/female reproductive structures, gamete production, endocrine control, body system integration
18	Review and Final Proficiency	All HAP Standards	Comprehensive review, lab analysis, modeling, CER, and final assessment
*This is a tentative schedule and faculty reserve the right to alter this schedule at their discretion based upon the needs of the students.			