Anatomy and Physiology Curriculum Map

Month	Topics/Systems	Chapter
August	*Overview of the anatomy and physiology of the 12 body systems *Levels of structural organization *Maintaining life and homeostasis *Language of anatomy	1
August	*Basic chemistry: matter, energy, chemical bonds and reactions, biochemistry	2
September	*Anatomy and physiology of a cell *4 body tissues: epithelial, connective, muscle, nervous *Tissue repair	3
September	*Classification of body membranes *Anatomy and physiology of the integumentary system: skin, hair, nails	4
October	*Skeletal system anatomy and physiology *Bone function, classification, structure, growth and remodeling *Axial skeleton and appendicular skeleton and joints	5
October	*Muscle types and functions *Microscopic anatomy of muscles *Skeletal muscle stimulation and contraction *Muscle movements, types, and names *Gross anatomy of skeletal muscles	6
November	*Nervous system organization *Structure and function of the nervous system *Central nervous system and peripheral nervous system	7
December	*Anatomy and physiology of the eye: vision *Anatomy and physiology of the ear: hearing and equilibrium *Chemical senses: smell and taste	8
January	*Hormone structure and function *Endocrine organs, their specific hormones, and the actions of those hormones	9
February	*Anatomy and physiology of the heart *Anatomy and physiology of blood vessels	11
February	*Composition and functions of blood *Hematopoiesis and Hemostasis *Blood groups and transfusions	10
March	*Lymph vessels, nodes, and organs *Body defenses: innate and adaptive	12
March	*Anatomy and physiology of the respiratory organs *Respiratory physiology	13
April	*Anatomy and functions of the digestive system organs *Nutrition and metabolism	14
April	*Anatomy and physiology of the urinary system organs *Fluid, electrolyte, and acid-base balance	15
May	*Anatomy and physiology o f male and female reproductive systems *Spermatogenesis, oogenesis, and endocrine functions *Pregnancy and embryonic development	16