

COURSE NAME: Anatomy & Physiology YEAR AT A GLANCE

GRADE LEVEL: 11-12

CREDITS: 1

	First Six Weeks	Second Six Weeks	Third Six Weeks	Fourth Six Weeks	Fifth Six Weeks	Sixth Six Weeks
TimeFrame	6 weeks	6 weeks	6 weeks	6 weeks	6 weeks	6 weeks
Essential Unit of Study	Introduction to A&P Histology Integumentary System	Skeletal System Muscular System - Physiology	Muscular System - Physiology Muscular System - Anatomy Nervous System - CNS	Nervous System - CNS Nervous System - PNS Endocrine System Lymphatic System	Lymphatic System Cardiovascular System Respiratory System	Digestive System Urinary System Reproductive System Emerging Technologies
Content Topics	Characteristics of Life Levels of Organization Directional Terms Body Cavities & Quadrants Body Planes Tissue Types Cell Arrangement Microscopy Layers of Skin Skin Color Tissue Repair	Skeletal System Functions Long Bone Anatomy Axial and Appendicular Bones Joint Types Bone Cells Growth, Fractures, and Repair Bone Diseases and Disorders Muscle Functions - Voluntary vs Involuntary Physiology of Contraction ROM Actions Muscle Diseases and Disorders	Muscle Types Muscle Fiber Anatomy Muscle Attachment - Ligaments and Tendons Name and Location of Skeletal Muscles Nervous System Functions Neurons Action Potentials Glial Cells Neurotransmitters Neurological Diseases and Disorders	Cranial and Spinal Nerves Divisions of PNS Special Senses Positive vs Negative Feedback Endocrine vs Exocrine Glands Hormone Functions Endocrine Diseases and Disorders Lymphatic Organs Structure and Function Immune Cells Active vs Passive Immunity Autoimmune Diseases Blood Cells & Types Antigens and Antibodies	Cardiovascular Functions Arteries vs Veins Systemic Circulation Blood Pressure EKG Cardiovascular Diseases Respiratory Functions Respiratory Tract Gas Exchange Factors Affecting Respiration Respiratory Diseases	Mechanical vs Chemical Digestion Biomolecules and Enzymes Structure and Function of Alimentary Canal and Accessory Organs Digestive Diseases and Disorders Structure and Function of Urinary Organs Nephrons Structure and Function Urine Formation & Urinalysis Urinary Diseases and Disorders Embryological Development Male vs Female Anatomy Oogenesis vs Spermatogenesis Hormones and Menstrual Cycle Hormones and Development Reproductive Diseases Advances in Science and Medicine
TEKS	(1) A-C (2) A-H (3) A-D (4) A-C (5) A-C (6) A-E (7) A-C (8) C-D (9) A-D	(1) A-C (2) A-H (3) A-D (4) A-C (5) A-C (8) A-B, E-G (10) A-F, H-I	(1) A-C (2) A-H (3) A-D (4) A-C (5) A-C (10) A-E, G (11) A-B, E-J	(1) A-C (2) A-H (3) A-D (4) A-C (5) A-C (11) C-G (12) A-F (14) A (15) A-G	(1) A-C (2) A-H (3) A-D (4) A-C (5) A-C (7) D (14) A-H (16) A-C (17) A-F	(1) A-C (2) A-H (3) A-D (4) A-C (5) A-C (7) D (13) A-G (16) A-D (18) A-F (19) A & B
Resources	Hole's Essentials of Human Anatomy and Physiology HS 2nd Ed w/ Smartbook					

