

**CUMBERLAND COUNTY SCHOOL DISTRICT
BENCHMARK ASSESSMENT CURRICULUM PACING GUIDE**

School: Cumberland County High School	Subject: Anatomy & Physiology	Grade: 11-12
Benchmark Assessment 1		
Instructional Timeline: 8 weeks		
Topic(s): Introduction, Tissues, Integumentary System		
Kentucky Core Academic Standards	Learning Targets (I Can Statements)	Key Vocabulary
<p>Quality Core E.1.B Describe the major components and functions of physiological systems, including skeletal, muscle, circulatory, respiratory, digestive, urinary, endocrine, nervous, reproductive, and immune</p> <p>Quality Core E.1.A Identify major types of animal cells and tissues</p>	<p>1.1 I can describe the study of anatomy and physiology</p> <p>1.3 I can explain the levels of organization within living organisms</p> <p>1.4 I can correctly use anatomical terminology in terms of relative position</p> <p>1.5 I can correctly utilize medical language that relates to the study of human anatomy & physiology</p> <p>1.6 I can describe the function of the body systems under study in this class.</p> <p>2.1 I can identify the types of tissues</p> <p>2.2 I can describe the functions of different tissues</p> <p>2.3 I can explain what areas of the body different tissues can be found</p> <p>3.1 I can explain the functions and characteristics of skin and its tissues</p> <p>3.2 I can identify the accessory organs of the skin</p> <p>3.3 I can explain the regulation of body temperature</p> <p>3.4 I can describe the determinates of skin color</p> <p>3.5 I can describe the healing of wounds and burns</p>	<p>Anatomy</p> <p>Physiology</p> <p>Atom</p> <p>Molecule</p> <p>Macromolecule</p> <p>Organelle</p> <p>Cell</p> <p>Tissue</p> <p>Organ</p> <p>Organ System</p> <p>Organism</p> <p>Superior</p> <p>Inferior</p> <p>Medial</p> <p>Lateral</p> <p>Deep</p> <p>Superficial</p> <p>Distal</p> <p>Proximal</p> <p>Anterior</p> <p>Posterior</p> <p>Epidermis</p> <p>Dermis</p> <p>Melanin</p>

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Benchmark Assessment 2

Instructional Timeline: 9 weeks

Topic(s): Skeletal system, muscular system, nervous system

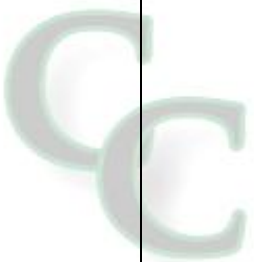

Kentucky Core Academic Standards	Learning Targets (I Can Statements)	Key Vocabulary
Quality Core E.1.B Describe the major components and functions of physiological systems, including skeletal, muscle, circulatory, respiratory, digestive, urinary, endocrine, nervous, reproductive, and immune	4.1 I can describe bone structure and function 4.2 I can describe the organization of the skeleton 4.3 I can identify the major bones of the axial and appendicular skeletons 5.1 I can describe the structure of a skeletal muscle 5.2 I can explain skeletal muscle contraction 5.3 I can differentiate smooth, skeletal, and cardiac muscles and give an example of where they can be found 5.4 I can identify the major skeletal muscles 6.1 I can describe the classifications of the nervous system 6.2 I can describe the structure and function of neurons & neuroglia 6.4 I can create a model of a synapse and describe the effects of drugs on the synapse 6.5 I can identify the major parts of the brain and their functions	Osteon Osteoblast Hematopoetic Haversian Canal Canaliculi Lamellae Osteoclast Osteocyte Axial Skeleton Appendicular Skeleton Myosin Actin Sarcomere Smooth muscle Skeletal muscle Cardiac muscle Central Nervous System Peripheral nervous system Neuron Glial cell Neurotransmitter Synapse Cerebrum Cerebellum Medulla Oblongata Hypothalamus

		Pituitary Gland
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School: Cumberland County High School	Subject: Anatomy & Physiology	Grade: 11-12
Benchmark Assessment 3		
Instructional Timeline: 9 weeks		
Topic(s): Blood, Cardiovascular System, Respiratory System		
Kentucky Core Academic Standards	Learning Targets (I Can Statements)	Key Vocabulary
Quality Core E.1.A Identify major types of animal cells and tissues Quality Core E.1.B Describe the major components and functions of physiological systems, including skeletal, muscle, circulatory, respiratory, digestive, urinary, endocrine, nervous, reproductive, and immune	7.1 I can describe the make-up of blood and describe the different blood cells. 7.2 I can explain hemostasis 7.3 I can explain blood groups and predict which blood groups are interchangeable during transfusions. 7.4 I can perform a blood typing. 8.1 I can describe the structure of the heart and its development 8.2 I can explain heart actions 8.3 I can draw the paths of circulation through the heart 8.4 I can identify the main arteries of the body 8.5 I can identify the main veins of the body 9.1 I can identify the main and accessory organs of the respiratory system 9.2 I can explain the muscles and gas laws involved in the breathing mechanism 9.3 I can describe the body's control of breathing 9.4 I can explain alveolar gas exchange	Erythrocyte Leukocyte Thrombocyte Hematopoiesis Hemostasis Blood Groups Plasma Antigens Antibodies Aorta Atrium Ventricle Bicuspid valve Tricuspid valve Vena cava Mouth Pharynx Nasal conchae Larynx Bronchioles Bronchi

		Trachea Alveoli Henrys Law Daltons Law Diaphragm
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School: Cumberland County High School	Subject: Anatomy & Physiology	Grade: 11-12
Benchmark Assessment 4		
Instructional Timeline: 9 weeks		
Topic(s): Digestive System, Reproductive System, Immune System		
Kentucky Core Academic Standards	Learning Targets (I Can Statements)	Key Vocabulary
Quality Core E.1.B Describe the major components and functions of physiological systems, including skeletal, muscle, circulatory, respiratory, digestive, urinary, endocrine, nervous, reproductive, and immune	10.1 I can explain the location and function of the main and accessory organs of the digestive system 10.2 I can describe the location, structure, and function of the kidneys. 10.3 I can explain the formation and elimination of urine 10.4 I can perform a urinalysis 11.1 I can describe the location and function of the organs of the male/female reproductive system 11.2 I can explain how various methods of birth control prevent pregnancy 11.3 I can describe symptoms of common sexually transmitted diseases 12.1 I can explain the function and locations of the immune system organs 12.2 I can describe the nonspecific and specific defense of the body against infection	Mouth Pharynx Epiglottis Esophagus Stomach Small Intestine Large Intestine Rectum Anus Kidneys Nephron Urine Uterus Fallopian Tubes (uterine) Vagina Cervix Clitoris Seminal vesicles Penis

		<ul style="list-style-type: none"> Scrotum Testes Vas deferens Bulbourethral gland Prostate gland Urethra Ovary Estrogen Testosterone Fever Phagocyte T-cells Lymph Lymphocyte Leukocyte Fever Spleen Lymph nodes Antibodies Specific defense Non-specific defense
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CUMBERLAND COUNTY
PANTHERS