

## Curriculum Mapping

School Illini Bluffs High School

School Year 2009-2010

Course Physiology I

Grade Level 10-11-12

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Month	ILS	Content	Skills	Assessments	Resources
<b>August</b>	23A1	Basic plan	Identify fields of study Identify levels of structural organization of human body Understand directional terminology Identify nine body systems	Worksheets Vocabulary Quizes Tests	Handouts Textbook
<b>September</b>	12A4b 12A5A 12a4A 12a3A	Cellular Structure and Function Intercellular Organization	Identify basic cellular organization Identify functions of cellular organelles Identify four functions of cells Understand cellular metabolism Identify stages of mitosis Identify different types of tissues Understand functions of different types of tissues Identify common characteristics of four basic tissue types	Worksheet Microviewer Test	Handouts Worksheets Textbook
<b>October</b>	23A2	Skeleton – The Framework Muscle Tissue	Identify five functions of human skeleton Identify bones of axial and appendicular skeleton Identify three classes of joints Understand bone ossification Recognize bone disorders and types of fractures Identify three types of muscular tissue Identify anatomy of muscle tissue Understand action potential	Worksheet Vocabulary Microviewer Dissection of Owl Pellet Pellet Test	Handouts Worksheets Owl Pellets Textbook Video
<b>November</b>	23A3	The Skeletal Muscles Nervous Tissue	Identify parts of muscle and its attachments Identify different types of muscle movement	Worksheet Vocabulary Test	Handouts Worksheets Textbook Video

Month	ILS	Content	Skills	Assessments	Resources
			<p>Understand the relationship of agonist and antagonist muscles</p> <p>Recognize structures of neuron and glial cells</p> <p>Identify different types of neurons</p> <p>Understand nerve impulse</p>		
<b>December</b>	23A2	The Nervous System	<p>Identify two divisions of nervous system and their functions</p> <p>Understand structure and function of spinal cord</p> <p>Identify parts of human brain and their functions</p> <p>Understand CNS and PNS structures and functions</p> <p>Identify twelve cranial nerves</p>	<p>Brain Dissection</p> <p>Worksheets</p> <p>Microviewers</p> <p>Test</p> <p>Internet Project</p>	<p>Video</p> <p>Microviewer</p> <p>Textbook</p> <p>Brain specimen</p> <p>Internet</p>
<b>January</b>	23A1	The Eye and Vision The Ears: Hearing and Equilibrium	<p>Identify structures of the eye</p> <p>Understand function of the structures of the eye</p> <p>Understand the physiology of sight and identify structures necessary</p> <p>Identify visual defects</p> <p>Identify and understand the structures and functions of external, middle and inner ear</p> <p>Understand process of equilibrium as it pertains of the ear structures</p> <p>Identify physical properties of sound waves</p> <p>Understand how sound waves entering the ear are converted into nerve impulses</p> <p>Identify ear disorders and cause and treatment</p>	<p>Eye Dissection</p> <p>Vocabulary</p> <p>Worksheets</p> <p>Test</p> <p>Internet</p> <p>Project</p>	<p>Eye specimen</p> <p>Video</p> <p>Textbook</p> <p>Internet</p>
<b>February</b>	23A4	Food and Nutrition The Mouth, Pharynx, and Esophagus	<p>Identify basic aspects of nutrition</p> <p>Understand chemical aspects of enzymes</p>	<p>Outlines</p> <p>Internet Assignment</p>	<p>Textbook</p> <p>Internet</p> <p>Worksheets</p>

Month	ILS	Content	Skills	Assessments	Resources
			<p>Recognize diet and health factors that are important</p> <p>Identify nutritional deficiencies</p> <p>Identify parts of mouth, pharynx, and esophagus</p> <p>Identify two sets of teeth and their functions</p> <p>Understand swallowing</p> <p>Identify salivary glands and functions</p>		Video
<b>March</b>	23A3	The Stomach	<p>Identify gross anatomy of stomach</p> <p>Understand functions of digestion</p> <p>Identify gastric phases</p>	<p>Vocabulary</p> <p>Test</p> <p>Worksheet</p> <p>Dissection</p>	<p>Textbook</p> <p>Microviewer</p> <p>Stomach of pig</p>
<b>April</b>	23A3	The Intestines	<p>Identify gross anatomy of intestines</p> <p>Identify functions and anatomy of liver, pancreas, gall bladder</p> <p>Understand mechanics of digestion</p> <p>Understand mechanics of waste elimination</p>	<p>Vocabulary</p> <p>Test</p> <p>Worksheet</p> <p>Internet assignment</p>	<p>Textbook</p> <p>Microviewer</p> <p>Internet</p> <p>Video</p>
<b>May</b>	23A2	Fetal Pig	<p>Identify the structures of the fetal pig through dissection</p> <p>Understand the functions of the structures of the fetal pig</p>	Worksheets	<p>Fetal Pig</p> <p>Speciman</p> <p>Video</p>
<b>June</b>					