

Curriculum at a Glance

Biology

<u>Time Frame</u>	<u>Content (Nouns)</u>	<u>Skills (Verbs)</u>
Q1 – 1 & ½ weeks	Scientific Method Experiment Design Microscopes	Utilize scientific method to design experiments. Use a microscope to look at cells.
Q1 – 2 weeks	Kingdoms of Life Levels of Organization	Recognize the 6 kingdoms of life. Interpret the levels of organization.
Q1 – 1 week	Body Systems Germ Theory	Identify the major systems in the body and their functions. Define the germ theory of disease.
Q1 – 2 & ½ weeks	Chemistry of Life Properties of water Photosynthesis/ Respiration	Identify the major components of life. Analyze the unique composition of water. Compare the processes of photosynthesis & respiration.

Q1 – 1 week	Cell Organelles	Compare unique features of cells. Identify the structure and function of cell organelles.
Q1 – 1 & ½ weeks	Cell processes Diffusion Mitosis	Explain cell membrane structure and function. Identify the major types of cell transport. Interpret the steps involved in cell division.
Q2 – 2 weeks	DNA Mutations Meiosis	Identify the steps in replication, translation and transcription. Recognize the steps of meiosis.
Q2 – 2 weeks	Genetics Punnett Square Genetic Engineering	Understand principals of genetics. Analyze genetic problems using a Punnett square. Explain concepts involved with genetic engineering.
Q2 – 1 week	Ecology Food Web Energy Pyramid	Identify the major elements of ecology. Interpret a food web. Analyze an energy pyramid.
Q2- 1 week	Classification of Life Evolution	Recognize the system of classifying life.

Q2 – 1 week	SOL review	
Q2 – 2 weeks	SOL remediation Dissection	Review major concepts. Use proper technique for simple dissection.