

Miss Rosemary Biology Yearly Plan 2022-2023

August 30, 2021--November 3, 2022	November 6, 2022--January 19, 2023	January 22, 2023--March 20, 2023	March 21, 2023--June 13, 2023
Biology Grade 10			
<p>List units of study/ topics, projects, presentation etc. students will have during the quarter.</p> <p><u>Introduction</u></p> <p>Classroom expectations</p> <p>Course Expectations</p> <p>Unit 1: Introducing Biology</p> <p>Chapter 1 Biology in the 21st century</p> <p>Section 1.1 The study of life</p> <p>Section 1.2 Unifying themes of Biology</p> <p>Unit 2: Introducing Biology</p> <p>Section 1.4 Biologists Tools and Technology</p> <p>Section 1.5 Biology and your future</p> <p>Chapter 3 Cell Structure and Function (scaffolding/reteach if required)</p> <p>Section 3.1 Cell Theory</p> <p>Section 3.2 Cell Organelles</p> <p>Section 3.3 Cell membrane</p> <p>Section 3.4 Diffusion and Osmosis</p> <p>Section 3.5 Active Transport, Endocytosis, Exocytosis</p>	<p>Unit 3: Chemistry of Life</p> <p>Section 2.1 Atoms, Ions and molecules</p> <p>Section 2.3 Carbon Based Molecules</p> <p>Section 2.4 Chemical reactions</p> <p>Section 2.5 Enzymes</p> <p>Unit 4 Cells and energy -Living Systems</p> <p>(scaffolding/reteach if required)</p> <p>Section 4.2 Overview of Photosynthesis</p> <p>Section 4.4 Overview of Cellular Respiration</p> <p>Section 4.6 Fermentation</p>	<p>Unit 5: Human Systems and Homeostasis</p> <p>Section 1 Digestive System</p> <p>Section 2 Excretory System</p> <p>Unit 6: Cells: Stability and Change</p> <p>Section 5.1 Cell Cycle</p> <p>Section 5.2 Mitosis and Differentiation</p> <p>Genetics and Heredity</p> <p>Section 7.1 Meiosis (overview only)</p> <p>Section 7.2 Mendel and Heredity</p> <p>Section 7.3 Traits and Probability</p> <p>Section 7.4 Mutations and Genetic Diversity</p> <p>Section 7.5 Genetic Engineering -overview</p>	<p>Unit 7: Matter and Energy in Living Systems</p> <p>Section 3.3 Modeling Matter and Energy in Ecosystems</p> <p>Section 3.4 Cycling of Matter and Energy in Ecosystems</p> <p>Unit 8: Ecosystems: Stability and Change</p> <p>Section 4.1 Population Dynamics</p> <p>Section 4.2 Ecosystem Dynamics</p> <p>Unit 9: Structure and Function of DNA</p> <p>Section 6.1 DNA Structure and Replication</p> <p>Section 6.2 Protein Synthesis</p> <p>Section 6.3 Gene Expression and Regulation</p>