Miss Rosemary Grade 9 Biology Yearly Plan 2025-2026

August 26, 2025–November 2, 2025	November 3, 2025--January 14, 2026	January 18, 2026--March 18, 2026	March 29, 2026--June 9, 2026
Biology Grade 9			
Chapter 1 Biology in the 21st Century Section 1.1 The study of life (HS-LS1-3) Section 1.2 Unifying themes of Biology (HS-LS1-3) Section 1.3 Scientific Thinking and Processes (HS-LS3-1) Section 1.4 Biologists Tools and Technology (HS-ETS1-1) Section 1.5 Biology and your future (HS-ETS1-2,HS-ETS1-3) **Chapter 2 Chemistry of Life** Section 2.3 Carbon based Molecules (HS-LS1-3) Section 2.5 Enzymes (HS-LS1-6) **Chapter 3: Cell Structure and Function** Section 3.1 Cell Theory (HS-LS1-1) Section 3.2 Cell Organelles (HS-LS1-1) Section 3.3 Cell membrane (HS-LS1-1) Section 3.4 Diffusion and Osmosis (HS-LS1-7) Section 3.5 Active Transport, Endocytosis, and Exocytosis (HS-LS1-7)	**Chapter 4 Cells and Energy** Section 4.1 Chemical Energy and ATP (HS-LS1-7) Section 4.2 Overview of Photosynthesis (HS-LS1-5) Section 4.4 Overview of Cellular Respiration (HS-LS2-3) Section 4.6 Fermentation (HS-LS2-3) **Chapter 5 Cell growth & Division** Section 5.1 Cell Cycle and mitosis (HS-LS1-4) Section 5.2 Mitosis and Cytokinesis (HS-LS1-4) Section 5.3 Cell cycle and regulation (HS-LS1-4) Section 5.4 Asexual Reproduction (HS-LS1-2) Section 5.5 Multicellular Life (HS-LS1-2) **Chapter 6 Human Systems and Homeostasis** **(Textbook correlation—Chapter 24 and Chapter 30 Human Systems)** Section Digestive System (HS-LS1-2) Section Excretory System (HS-LS1-2)	**Chapter 6 Human Systems and Homeostasis (continued)** **(Textbook correlation—Chapter 24 and Chapter 30, Human Systems)** Section 30.1 Respiratory & Circulatory functions(HS-LS1-2) Section 30.2 Respiration & Gas exchange (HS-LS1-2) Section 30.3 The Heart & Circulation(HS-LS1-2) Section 30.4 (HS-LS1-2) Section 24.3 Interactions among systems (HS-LS1-2) **Chapter 7: Meiosis & Mendel** **(Textbook correlation—Chapter 6: Meiosis and Mendel)** Section 6.1 Chromosomes and Meiosis? (HS-LS3-2) Section 6.2 Process of meiosis ? (HS-LS3-2) Section 6.3: Mendel And Heredity (HS-LS3-1) Section 6.4: Traits, Genes, and Alleles (HS-LS3-3) Section 6.5 Traits and Probability (HS-LS3-3) Section 6.6: Meiosis and genetic variation (HS-LS3-3)	**Chapter 8 DNA** Section 8.2 Structure of DNA (HS-LS1-1) Section 8.3 Replication of DNA (HS-LS3-1) **Chapter 9 Ecology** **(Textbook correlation Chapter 13 Principles of Ecology)** Section 13.2 Biotic and abiotic factors (HS-LS2-6) Section 13.3 Energy in Ecosystems (HS-LS2-6) Section 13.4 Food chains and food webs (HS-LS2-6) Section 13.5 Cycling of matter (HS-LS2-3) Section 13.6 Pyramid Models (HS-LS2-5)