

Biology

Time Frame	Lessons/Chapters/Units	Standards Covered	Assessments, Projects, Activities
Aug. 10-18	Chapter 1: Biology in the 21 st Century	Bio. 1A Students will demonstrate an understanding of the characteristics of life and biological organization (1, 3)	
Aug. 19 – Sept. 2	Chapter 2: Chemistry of Life	Bio. 1B Students will analyze the structure and function of the macromolecules that make up cells (1,2)	
Sept. 3 - 17	Chapter 3A: Cell Theory and Structure	Bio. 1A Students will demonstrate an understanding of the characteristics of life and biological organization (2,4) Bio. 1C Students will relate the diversity of organelles to a variety of specialized cellular functions (1-3)	
Sept. 18 – Oct. 2	Chapter 3B: Cell Membrane and Transport	Bio. 1D Students will describe the structure of the cell membrane and analyze how the structure is related to its primary function in regulating transport in and out of cells to maintain homeostasis	
Oct. 5 - 9	1 st 9 Weeks Test		
Oct. 13 – 23	Chapter 4: Cells and Energy	Bio.2 Students will explain that cells transform energy through the processes of photosynthesis and cellular respiration to drive cellular functions. (1-4)	

Oct. 26 – Nov. 4	Chapter 5: Cell Growth and Division	Bio. 1E Students will develop and use models to explain the role of the cell cycle during growth, development, and maintenance in multicellular organisms (1-4)	
Nov. 5 - 17	Chapter 6: Meiosis & Mendel	Bio. 3A Students will develop and use models to explain the role of meiosis in the production of haploid gametes required for sexual reproduction (1-3) Bio. 3B Students will analyze and interpret data collected from probability calculations to explain the variation of expressed traits within a population. (1,2)	
Nov. 18 - 20, Nov. 30 – Dec. 8	Chapter 7: Extending Mendelian Genetics	Bio. 3B Students will analyze and interpret data collected from probability calculations to explain the variation of expressed traits within a population. (3,4)	
Dec. 9 – 15	May be ahead or behind at this point, wiggle room for reteaching, remediation, or review.		
Dec. 16-22	2 nd 9 Weeks Test		
Jan. 8 – 21	Chapter 8: DNA to Proteins	Bio. 3C Students will construct an explanation based on evidence to describe how the structure and nucleotide base sequence of DNA determines the structure of proteins or RNA that carry out essential functions of life (1-4)	
Jan. 22 – Feb. 3	Chapter 10: Principles of Evolution	Bio. 4 Students will analyze and interpret evidence to explain the	

		unity and diversity of life. (1,2,5,7)	
Feb. 4 – 17	Chapter 11: The Evolution of Populations	Bio. 4 Students will analyze and interpret evidence to explain the unity and diversity of life. (3,4,6)	
Feb. 18 – Mar 2	Chapter 13: Principles of Ecology	Bio. 5 Students will investigate and evaluate the interdependence of living organisms and their environment (1-4)	
Mar. 3 - 5	Nine weeks Review or Catch up		
Mar. 8 – 12	3 rd 9 Weeks Test		
Mar. 22 – 31	Chapter 14: Interactions in Ecosystems	Bio. 5 Students will investigate and evaluate the interdependence of living organisms and their environment. (5-7)	
April 1 – 13	Chapter 18: The Tree of Life		
April 14 – 24	Review for State Test and Take State Test		
After	Animal Behavior/Insects		
May 19 – 25	FINAL EXAMS		