

Biology Pacing Guide 2021-2022

Dates	Topics of Study	Standards	Unit Title & Unit Assessments	Textbook Correlation
1st Semester				
Aug 11-20 (8 days)	Classroom Procedures and Expectations Properties of Life Investigate Life with a Microscope Safety & Classroom Procedures Animal Adaptations & Behavior	Habits of Mind SCSh1., SCSh2., SCSh3., SCSh4.	<u>It's Alive</u> Properties of Life Quiz Microscope Quiz Fungi Lab	Chapters 1, 21, and 28 Appendix B Appendix C Appendix D
Aug 23-24	<u>BENCHMARK 1</u>			
Aug 25-Sept 22	Macromolecules & Enzymes	SB1c. SCSh1-4, 6	<u>Chemistry of Life</u> Red Bag Test Washing Machines Lorenzo's Oil	Chapter 2
Sept 23-24	<u>BENCHMARK 2</u>			
Sept 27- Nov 3	Evolution Natural Selection Kingdoms	SB4b., SB6a., SB6b., SB6c. SB6d. SB4a., SB4b.	<u>Life Changes</u> Got Milk? Evolution Test <u>Organizing Life</u>	Chapters 15 and 17 Chapter 18
Nov 4-5	<u>BENCHMARK 3</u>			
Nov 8- Dec 8	Food Webs, Chains & Pyramids Symbiotic Relationships & Carrying Capacity Greenhouse Effect Natural Resources Measuring Soil, Air & Water Quality Human Effects	SB5a. SB5b. SB5a., SB5b., SB5c., SB5d. SB5e.	<u>Ecology</u> Ecology Test <u>The Human Effect</u> Biology in a Bottle	Chapters 3 and 4 Chapter 6
Dec 9-10	<u>BENCHMARK 4</u>			
Dec 13-15	Semester Review	Standards listed for weeks 1-16	Cumulative Semester Exam	
Dec 16-17	<u>MIDTERM</u>			
2nd Semester				
Jan 4- Feb 2	Photosynthesis & Cellular Respiration, ATP	SB1e.	<u>Cycling Carbon</u>	Chapters 8, 9, 24, and 25

		SB5b. SB1a.	Photosynthesis Test Cellular Respiration Test	
Feb 3-4	<u>BENCHMARK 5</u>			
Feb 7-Mar 2	Cell Classification & Cell Anatomy Passive & Active Cell Transport Osmosis Viruses	SB1a. SB1d.	<u>Organelles</u> Scavenger Hunt Cell Organelle Test Protists <u>Cell Transport</u> Transport Test	Chapters 7 and 20 Chapter 7
Mar 3-4	<u>BENCHMARK 6</u>			
Mar 7- 29	Mitosis, Meiosis & Cell Cycle Punnett Squares & Gametes	SB1b., SB2b. SB3a., SB3b. SB3c.	<u>Cell Reproduction</u> Flower Dissection Cell Reproduction Test	Chapters 10 and 11
Mar 30-31	<u>BENCHMARK 7</u>			
April 11-27	DNA & RNA Protein Synthesis Mutations	SB6e., SB2a. SB2b., SB2c.	<u>Genetics</u> Genetics Test	Chapters 11-14
Apr 28-29	<u>BENCHMARK 8</u>			
May 2- 25	Review Semester 1 & 2 Biology End of Course Test 20% of Final Average (Window May 4-30)	All Biology Standards	2 nd Semester Final Exam 20 % Final Biology End of Course Exam (EOC)	