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First 4 ½ Weeks		
Lesson Title	**Pacing (blocks)**	**Standard**
Storyline 2: Ecology	0.25	BIO1.LS.4.3
Chapter 3: The Biosphere		
Anchoring Phenomenon	0.5	BIO1.LS.2.1 BIO1.LS.2.3 BIO1.LS.2.4
3.1: Introduction to Global Systems	0.5	
Lab: Effects of Greenhouse Gases	0.5	
3.2: Climate, Weather, and Life	0.5	
3.3 Biomes and Aquatic Ecosystems	1	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter+Storyline	**3.75**	
Chapter 4: Ecosystems		
Anchoring Phenomenon	0.5	BIO1.LS.2.2
4.1: Energy, Producers, and Consumers	0.5	
4.2: Energy Flow in Ecosystems	0.5	
4.3: Cycles of Matter	0.75	
Lab: The Effect of Fertilizer on Algae	0.5	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter Total	**3.25**	
Chapter 5: Populations		
Anchoring Phenomenon	0.5	BIO1.LS.2.1
5.1: How Populations Grow	0.5	
Lab: Estimating Population Size	0.25	
5.2: Limit to Growth	0.5	

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5.3 Human Population Growth	0.5	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter Total	**2.75**	
Chapter 6: Communities and Ecosystem Dynamics		
Anchoring Phenomenon	0.5	BIO1.LS2.3 BIO1.LS.2.4
6.1: Habitat, Niches, and Species Interactions	0.5	
6.2: Succession	0.5	
6.3 Biodiversity, Ecosystems, and Resilience	0.5	
Lab: Biodiversity on the Forest Floor	0.25	
24.4: Social Interactions and Group Behavior	0.5	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter Total	**3.25**	
Chapter 7: Humans and Global Change		
Anchoring Phenomenon	0.5	BIO1.LS2.4
7.1: Humanity, Global Systems, and Change	0.5	
Lab: Calculating Ecological Footprints	0.5	
7.2: Anthropogenic Global Change and its Effects	0.75	
7.3: Measuring and Responding to Climate Change	0.5	
7.4: Modeling Sustainability, Resilience, and Adaptation	0.5	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter Total	**3.75**	

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Chapter 2: The Chemistry of Life		
Anchoring Phenomenon	0.5	BIO1.LS 1.1 BIO1.LS1.5
2.1: The Nature of Matter	0.5	
2.2: Properties of Water	0.5	
2.3: Carbon Compounds	1	
2.4: Chemical Reactions and Enzymes	1	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter Total	**4**	
1st 4 ½ Weeks Total	**20.75 days**	

Second 4 ½ Weeks		
Lesson Title	**Pacing (blocks)**	**Standard**
Storyline 3: Cells	0.25	BIO1.LS1.4 BIO1.LS2.4
Chapter 8: Cell Structure and Function		
Anchoring Phenomemon	0.5	BIO1.LS1.2 BIO1.LS1.4 BIO1.LS1.6
8.1: Life is Cellular	1	
8.2: Cell Structure	1	
8.3 Cell Transport	1	
Lab: Detecting Diffusion	0.5	
8.4: Homeostasis and Cells/25.1: Feedback Mechanisms	1	
Revisit Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter+Storyline	**5.5**	
Chapter 9: Photosynthesis		
Anchoring Phenomenon	0.5	BIO1.LS1.4 BIO1.LS1.5
9.1: Energy and Life	0.5	
9.2: Photosynthesis: An Overview	1	

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Lab: Plant Pigments and Photosynthesis	0.5	
9.3: The Process of Photosynthesis	0.75	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter Total	**3.75**	
Chapter 10: Cellular Respiration		
Anchoring Phenomenon	0.5	BIO1.LS1.5
10.1: Cellular Respiration: An Overview	0.5	BIO1.LS1.6
10.2: The Process of Cellular Respiration	1.5	
Lab: Making a Model of Cellular Respiration	0.5	
10.3 Fermentation	0.5	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter Total	**4**	
Chapter 11: Cell Growth and Division		
Anchoring Phenomenon	0.5	BIO1.LS1.3
11.1: Cell Growth, Division, and Reproduction	0.75	BIO1.LS3.1 BIO1.LS1.7
11.2: The Process of Cell Division	1	
11.3: Regulating the Cell Cycle	0.5	
11.4 Cell Differentiation	1	
Lab: Regeneration in Planaria	0.5	
25.1/25.3: Response to Stimuli Quick lab and Human Systems II (Nervous Systems	0.5	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	

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Chapter Total	**5.25**	
2nd 4 ½ Weeks Total	**18.5 blocks**	

Third 4 ½ Weeks		
Lesson Title	**Pacing (blocks)**	**Standard**
Storyline 4: Genetics	0.25	BIO1.LS3.3, 3.4 BIO1.LS4.1,4.2,4.3,4.4, 4.5
Chapter 12: Introduction to Genetics		
Anchoring Phenomenon	0.5	BIO1.LS3.1 BIO1.LS3.2 BIO1.LS3.3 BIO1.LS3.4
12.1: The Work of Gregor Mendel	0.5	
12.2: Applying Mendel's Principles	0.75	
12.3: Other Patterns of Inheritance	0.5	
12.4: Meiosis	0.75	
Lab: A model of Meiosis	0.5	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter+Storyline	**4**	
Chapter 13: DNA		
Anchoring Phenomenon	0.5	BIO1.LS1.1
13.1: Identifying the Substance of the Gene	0.5	
Lab: Using DNA to Identify Species	0.5	
13.2: The Structure of DNA	1	
13.3: DNA Replication	0.5	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter Total	**3.5**	
Chapter 14: RNA and Protein Synthesis		
Anchoring Phenomenon	0.5	BIO1.LS1.1

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14.1: RNA	0.75	BIO1.LS1.3 BIO1.LS3.3 BIO1.LS3.4
14.2: Ribosomes and Protein Synthesis	0.5	
14.3: Gene Regulation and Expression	0.5	
14.4: Mutations	0.5	
Lab: The Effect of Mutations	0.25	
Revisit the Phenomenon	0.25	
Chapter Assessment	02.5	
Chapter Total	**3.5**	
Chapter 15: The Human Genome		
Anchoring Phenomenon	0.5	BIO1.LS1.1 BIO1.LS3.3 BIO1.LS3.4
15.1: Human Chromosomes	0.5	
15.2: Human Genetic Disorders	0.5	
15.3: Studying the Human Genome	0.75	
Lab: Gel Electrophoresis	0.5	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter Total	**3.25**	
Storyline 5: Evolution	0.25	BIO1.LS4.1
Chapter 17: Darwin's Theory of Evolution		
17.1: A Voyage of Discovery	0.5	BIO1.LS4.1 BIO1.LS4.2 BIO1.LS4.3 BIO1.LS4.4
17.2: Ideas the Influenced Darwin	0.75	
17.3 Darwin's Theory: Natural Selection	0.5	
17.4: Evidence of Evolution	0.75	
Lab: Evidence of Evolution	0.5	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter+Storyline	**4.25**	
3rd 4 ½ Weeks Total	**18.5 days**	

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Fourth 4 ½ Weeks		
Lesson Title	**Pacing (blocks)**	**Standard**
Chapter 18: Evolution of Populations		
Anchoring Phenomenon	0.5	BIO1.LS3.2 BIO1.LS3.4 BIO1.LS4.2 BIO1.LS4.4 BIO1.LS4.5
18.1: Genes and Variation	0.5	
18.2: Evolution as Genetic Change	0.5	
18.3: The Process of Speciation	0.5	
Lab: Competing for Resources	0.75	
18.4: Molecular Evolution	0.5	
20.3: Earth and Life Evolve Together	0.5	
Revisit the Phenomenon	0.25	
Chapter Assessment	0.25	
Chapter Total	**4.25**	
EOC Review		

*Note: Labs are optional and dependent on materials available. If you do not have the available materials, substitute for one of the other virtual or available labs via the curriculum.