

High School Biology
 Quarter 1 Priority Standards and Skills

Standards _____Biology/High School_____	Skills	Notes
<p>Living Systems LS1-2, LS1-3, ETS1-2, ETS1-3 Lesson 1: Life in the Earth System Lesson 2: Organisms: Cells to Body Systems Lesson 3: Mechanisms of Homeostasis Lesson 4: Bioengineering <i>Thing Explainer: Bags of Stuff Inside You</i></p>		
<p>Chemistry in Living Systems LS1-6 Lesson 1: Chemical Bonds and Reactions Lesson 2: Carbon-Based Molecules</p>		
<p>Matter and Energy in Living Systems LS1-5, LS1-7, LS2-3, LS2-4, LS2-5, ETS1-1, ETS1-3 Lesson 1: Photosynthesis Lesson 2: Cellular Respiration Lesson 3: Modeling Matter and Energy in Ecosystems Lesson 4: Cycling of Matter and Energy in Ecosystems <i>Thing Explainer: Tree</i></p>		

Quarter 2 Priority Standards and Skills

Standards _Biology/High School_____	Skills	Notes
<p>Ecosystems: Stability and Change LS2-1, LS2-2, LS2-6 Lesson 1: Population Dynamics Lesson 2: Ecosystem Dynamics <i>Thing Explainer: How Forests Come Back</i></p>		
<p>Cells: Stability and Change LS1-4 Lesson 1: The Cell Cycle</p>		

Lesson 2: Mitosis and Differentiation <i>Thing Explainer: Tiny Bags of Water</i>		
---	--	--

Quarter 3 Priority Standards and Skills

Standards __Biology/High School_____	Skills	Notes
Structure and Function of DNA LS1-1 Lesson 1: DNA Structure and Replication Lesson 2: Protein Synthesis Lesson 3: Gene Expression and Regulation		
Genetics and Heredity LS3-1, LS3-2, LS3-3, ETS1-3 Lesson 1: Meiosis Lesson 2: Mendel and Heredity Lesson 3: Traits and Probability Lesson 4: Mutations and Genetic Diversity Lesson 5: Genetic Engineering <i>Thing Explainer: Books Inside Us</i>		

Quarter 4 Priority Standards and Skills

Standards __Biology/High School_____	Skills	Notes
Evidence for Evolution LS4-1, LS4-2 Lesson 1: Lines of Evidence for Evolution Lesson 2: Theory of Natural Selection		
Patterns of Evolution LS2-8, LS3-3, LS4-3, LS4-4, LS4-5 Lesson 1: Evolution of Populations Lesson 2: Changes in Species Lesson 3: Adaptive Value of Behavior		

Patterns of Evolution		
------------------------------	--	--

LS2-2, LS2-7, LS4-6, ETS1-1, ETS1-4

Lesson 1: Human Population Growth
and the Environment

Lesson 2: Human Impacts on Biodiversity

Lesson 3: Engineering Solutions to
Environmental Impacts

Supporting Standards:

Standards that are not highly assessed but should be presented if not mastered over the course of a year (or the course)