

6th Grade Science			
	Unit 1	Unit 2	Unit 3
	Systems & Subsystems in Earth and Life Science	Earth's System Interactions Cause Weather	Effects of Global Warming on Living Things
	How do Earth's systems affect life?	How do changes in temperature impact systems on Earth?	How does human activity impact global warming?
Focus Topics	<ul style="list-style-type: none"> • Cells • Anatomy of a Cell • Bodies and Systems • The Water Cycle • Influences of Weather and Climate 	<ul style="list-style-type: none"> • Ocean Currents • Thermal Energy Transfer • Energy Transfer and Temperature 	<ul style="list-style-type: none"> • Human Impact on the Environment • Human Activities and Global Climate Change

7th Grade Science			
	Unit 1	Unit 2	Unit 3
	Objects Move and Collide	Noncontact Forces Influence Phenomena	Sustaining Local and Global Diversity
	How do Newton's Laws impact our daily lives?	How is motion affected if there is no contact between the objects?	How do we use waves to communicate? How do human activities help sustain biodiversity?
Focus Topics	<ul style="list-style-type: none"> • Newton's Third Law of Motion • Changes in Force and Motion • Gravitational Forces • Kinetic Energy 	<ul style="list-style-type: none"> • Potential Energy • Earth, Sun, and Moon System • Formation and Motion of Galaxies • The Solar System • Electric and Magnetic Forces 	<ul style="list-style-type: none"> • Introduction to the Properties of Waves • Modeling Waves Through Various Mediums • Properties of Visible Light • Modeling Light Waves • Digital vs. Analog Signals

8th Grade Science

	Unit 1	Unit 2	Unit 3
	Organisms and Nonliving Things are Made of Atoms	Matter Cycles and Energy Flows Through Organisms and Rocks	Natural Processes and Human Activities Shape Earth's Resources and Ecosystems
	How do the properties of matter help us understand living and nonliving things?	Why is the flow of energy from the sun to Earth important for our planet?	How do interactions between matter and energy affect ecosystems and shape Earth's landscape?
Focus Topics	<ul style="list-style-type: none"> ● Competition in Ecosystems ● Organism Interactions in Ecosystems ● Relationships in Ecosystems ● Flow of Energy in Ecosystems ● Structure of Matter ● Changes in Energy on the Molecular Level ● Heat and Matter 	<ul style="list-style-type: none"> ● Physical and Chemical Properties ● Characteristics of Chemical Reactions ● Modeling Conservation of Mass ● Thermal Energy in Chemical Reactions ● Introduction to Photosynthesis ● Energy Flow in Organisms ● Earth Materials 	<ul style="list-style-type: none"> ● Plate Tectonics ● Seafloor Spreading ● Human Dependence on Natural Resources