

Grade Level	Title	Description	SOL
Kindergarten	Molecules in Motion	Help bring water molecules up to size...student size! Students will simulate water molecules in each physical state and learn about the Earth's most precious resource.	K.1; K.4
Kindergarten	Grow a Shadow	Round and Round we go... Explore how the Sun's movement across our sky can make shadows grow or shrink!	K. 1; K.8; K.9
1st Grade	Mission: Earth's Position	Tilt and whirl! Why does our planet rotate on an axis and how does this affect our daily lives? Explore the patterns this planetary tilt causes and why it happens.	1.1; 1.6; 1.7
1st Grade	Twilight Zone: Into the Abyss	How does the Sun's light affect the ocean? Students will investigate how the Sun's heat travels through the different ocean zones and impacts the plants and animals living in each zone.	1.1; 1.3; 1.6
2nd Grade	What's the Matter?	Solids, Liquids and gases, oh my! Learn about the states of matter and what is needed to change from one state to another.	2.1; 2.3
2nd Grade	Fact or Friction	Slide on over and learn about the force of friction. Students will experiment to learn how friction impacts daily life, and what would happen without it.	2.1; 2.2
3rd Grade	The Incredible Journey: The Water Cycle	Where will the water we use today end up tomorrow? Students step into the world of water molecules to explore the water cycle, getting an up close view of each molecule's journey.	3.1; 3.7
3rd Grade	Fire in the Forest	Got a burning question? We've got an answer! Learn how fire benefits our environment and the populations	3.1; 3.8

		that depend on it for survival.	
4th Grade	Current Events	What keeps our oceans in motion? Investigate how temperature, density and wind move our oceans and how those currents impact our land masses and our climate.	4.1; 4.7
4th Grade	A Light Snack	Lights! CO2! Energy? Join us on this deep dive into the world of photosynthesis. Students will perform hands-on experiments to see plants in action as well as learning how they use sunlight, CO2 and water to create sugars and oxygen.	4.1; 4.2
5th Grade	The Magic of Magma	Why does magma matter? Investigate how magma creates new land masses, provides renewable energy and how it propels our tectonic plates.	5.1; 5.8
5th Grade	When Objects Collide	Explore the high energy world of collision and motion. Students will dive deep into the physics behind energy transformation and change while performing hands-on experiments to gain a deeper understanding.	5.1; 5.2; 5.3