

Curriculum – Grade 6 Science

	Water and the Atmosphere	Earth's Structure	Introduction to Chemistry
What your child will learn	<ul style="list-style-type: none"> The many facets of the water cycle including both fresh water and salt water (including but not limited to surface water, ground water, wetlands, etc.) Characteristics of Earth's oceans including but not limited to waves, currents, climate, habitats, etc. The Atmosphere: Air, air pressure, layers of the atmosphere, energy/heat within the atmosphere, winds Weather: Identification of clouds, precipitation, air masses, storms, and prediction of the weather. How climate changes naturally over time and how human factors influence global climate changes. 	<ul style="list-style-type: none"> The main parts/features of Earth's systems and interior and the forces that change Earth. Properties of rocks and minerals as well as the rock cycle Causes and effects of Plate Tectonics, earthquakes The where, what, how, and why of volcanoes and earthquakes 	<ul style="list-style-type: none"> Describe, classify, and measure the 3 common states of matter and how those states change Give examples of how matter behaves in different states and identify properties of matter in each state. Make connections and identify between chemical and physical changes of matter. Tell how the Periodic Table organizes elements and give examples of information that can be obtained from the Periodic Table List the basic parts of an atom Give the differences between mixtures, elements and compounds Differentiate between acids and bases and identify items on the pH scale.
What your child will do	<ul style="list-style-type: none"> Explore wetland and ocean habitats. Identify and describe features of the ocean. 	<ul style="list-style-type: none"> Identify features of Earth Classify and/or identify rocks and minerals according to properties Describe volcanoes according to 	<ul style="list-style-type: none"> Depict the parts of an atom. Give examples the properties of matter and of chemical and physical changes of matter.

	<ul style="list-style-type: none"> List layers of the atmosphere and give examples of the atmosphere Discuss the components of the atmosphere and how it affect weather Describe the natural and man-made changes of climate over time 	<p>the eruption.</p> <ul style="list-style-type: none"> List causes and effects of plate tectonics and earthquakes. 	<ul style="list-style-type: none"> Identify elements on the periodic table Measure the mass, volume, and weight of matter. Use the pH scale to identify acids and bases Compare and contrast elements, compounds and mixtures
What you'll see (products)	<ul style="list-style-type: none"> Lab Sheets/Investigations Graphs, charts and data tables Graphic organizers Projects 		
How you can help	<ul style="list-style-type: none"> Discuss daily weather and climate with your child. Encourage your child to read literature and scientific current events. Take your child to an aquarium and ocean and discuss the features of ocean climates, habitats Monitor your child's homework and grades online 	<ul style="list-style-type: none"> Identify earth's features in daily life and in literature or in movies. Discuss examples of earth's systems Encourage your child to read about earthquakes, volcanoes, and scientific current events. Monitor your child's homework and grades online Encourage your child to study each evening and reread textbook. 	<ul style="list-style-type: none"> Record examples of chemical and physical changes that occur in daily life Talk about acids and bases that as they are relevant to life Encourage your child to read scientific literature and current events Talk about mass, volume and weight Take your child to museums and watch educational science television with your child. List items in everyday life that are acidic/basic Point out how different elements are used in everyday products Monitor homework and your child's grades online

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