

## Expectations and Outcomes

Grade Level/Course: Sixth Grade

Content Area: Science

Unit Title	Guarantees
Ch. 1- Inside the Earth	<ul style="list-style-type: none"> <li>• Students will be able to identify in order the 4 parts of the Earth. Inner core, outer core, mantle and crust.</li> <li>• Define both constructive and destructive forces and provide an example of landforms created by each.</li> <li>• Accurately evaluate evidence as direct or indirect. Sight examples of both.</li> </ul>
Ch. 3- Plate Tectonics	<ul style="list-style-type: none"> <li>• Describe the process of sea floor spreading in relation to continental drift.</li> <li>• Use fossil records and topographic evidence to support a map of Pangaea.</li> </ul>
Ch. 4- Earthquakes	<ul style="list-style-type: none"> <li>• Describe the relationship between plate boundaries and earthquakes.</li> <li>• What is the predictability and plans for preparedness relating to earthquakes?</li> </ul>
Ch. 5- Volcanoes	<ul style="list-style-type: none"> <li>• What is the predictability and preparedness for a volcanic eruption?</li> <li>• Explain how the Hawaiian Islands show evidence of continental drift.</li> </ul>
Ch. 2- Minerals and Rocks	<ul style="list-style-type: none"> <li>• Describe the processes necessary to create igneous, metamorphic and sedimentary rock.</li> <li>• Predict appearance (graining, layering, crystal size) of rocks or minerals based on process and location of formation.</li> </ul>
Ch. 7 - Erosion and Deposition	<ul style="list-style-type: none"> <li>• Describe the processes of weathering, erosion and deposition.</li> <li>• Describe how glaciers form and move.</li> <li>• Describe what land features are created by moving water.</li> <li>• What are some things people can do to reduce erosion?</li> </ul>
Ch. 8 - A Trip through Geologic Time	<ul style="list-style-type: none"> <li>• Describe the different types of fossils and the evidence that can be obtained from them.</li> <li>• Use an index fossil to determine relative age of rock layers.</li> <li>• Identify the important events in the Paleozoic, Mesozoic and Cenozoic Eras.</li> </ul>
Ch. 10- Water on Earth	<ul style="list-style-type: none"> <li>• Understand that all living things need water to survive.</li> <li>• Describe how water moves through land, living things, bodies of water and the atmosphere.</li> <li>• Identify places water can be found (groundwater, rivers, lakes, etc.)</li> </ul>
Ch. 12- Weather	<ul style="list-style-type: none"> <li>• Describe how weather and climate are different.</li> </ul>

<b>Unit Title</b>	<b>Guarantees</b>
Ch. 13 - Climate and Climate Change	<ul style="list-style-type: none"> <li>• Identify the 4 major types of air masses and the weather/climate associated with each.</li> <li>• Explain that ocean currents occur in every ocean and can be warm or cold.</li> <li>• Identify the information used to classify climates.</li> <li>• What is your carbon footprint?</li> </ul>
Ch. 15 - the solar system	<ul style="list-style-type: none"> <li>• Explain how gravity and inertia are related.</li> <li>• Describe what relative size means (using comparisons).</li> <li>• Gather data from a table.</li> <li>• Define au</li> </ul>
Ch. 17 - Land, Air, and Water Resources	<ul style="list-style-type: none"> <li>• Identify sources of greenhouse gases.</li> <li>• Point and nonpoint pollution</li> <li>• Renewable and nonrenewable resource</li> </ul>