

 Month	Benchmarks	Resources/Assignments/Assessments
September	E1.1 Scientific Inquiry E2.1 Earth Systems Overview E3.2 Interior of the Earth E3.3 Plate Tectonics Theory E3.4 Earthquakes and Volcanoes	Resources: Physical Science: Concepts in Action Chapter 22, United Streaming video on Plate Tectonics, notes on main concepts. Assignments: Define key terms, Building and Destroying Earth’s Crust, Volcano web search, venn diagram comparing earthquakes and volcanoes, reading article on earthquake construction and summarizing. Assessments: Use a map to identify the theory of plate tectonics and evidence to support this theory. Draw and label the interior of the Earth. Unit 1 test.
October (2 weeks)	E3.1 Advanced Rock Cycle	Resources: Science book Chapter 22, Rock and mineral samples and tools, notes on main concepts. Assignments: Define key terms, Labs using different characteristics to identify rocks and minerals, and rock web search using USGS web site. Assessments: Draw a diagram of the rock cycle and explain in writing what happens in the rock cycle. Unit 2 Test.
October (1 week)	E4.1 Hydrogeology	Resources: Science book Chapter 23, Speaker from MSU Extension on groundwater, notes on main concepts, and a video on glaciers from united streaming. Assignments: Water web search using USGS web site. Assessments: Draw and label the water cycle for a specific area. Hydrogeology test.
October (1 week)	E4.2 Oceans and Climate	Resources: Science book chapters 23 and 24, clips from “Inconvenient Truth”, speaker from

	<p>E4.3 Severe Weather E5.4 Climate Change E2.4 Resources and Human Impacts on Earth Systems</p>	<p>the National Weather Service, notes on main topics, weather maps, and united streaming clips on severe weather.</p> <p>Assignments: Weather forecasting packet, weather and climate venn diagram, defining key terms, and mapping ocean currents.</p> <p>Assessments: An opinion paper on weather human activity is the cause of global warming using data from the video and the guest speaker. Test on Weather and climate.</p>
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November (3 weeks)	<p>E5.3 Earth History and Geologic Time E5.1 The Earth in Space E5.2 The Sun</p>	<p>Resources: Science book Chapters 23 and 25, notes on the main topics, models of the Earth and Sun and demonstration of the seasons, United Streaming video on the Sun, and maps of Earth's history.</p> <p>Assignments: Comparing Earth with the other planets in the solar system, interpreting diagrams of Earth's layers and relating them to geologic time and events.</p> <p>Assessments: Drawing a diagram of the season on Earth and explain in writing what is happening at different locations, Test on the Earth and the Solar System.</p>

