

Scope and Sequence

Course/Subject: Science

Grade Level: 6

Month	Unit Title	I can statements or Standards (Desired Results)	Acceptable Evidence (Transfer Task)
September	Earth's Structure	<ol style="list-style-type: none"> 1. I can demonstrate Earth's major systems and how they interact. 2. I can explain why the Earth has a spherical shape. 3. I can explain the interior layers of the Earth. 4. I can compare and contrast Earth's major landforms. 	<p>Students will</p> <ul style="list-style-type: none"> ● Investigate gravity and density in Labs ● Identify and describe the layers of Earth ● Use a map key ● Put labels on different maps ● Identify Earth's major landforms on a map ●
October	Minerals Rocks	<ol style="list-style-type: none"> 1. I can define what a mineral is and name some common minerals. 2. I can define what a rock is and name some common rocks. 3. I can define the different types of rocks and how they form 4. I can explain the properties of minerals and rocks. 5. I can identify common mineral and rocks. 6. I can demonstrate how we use minerals and rocks in our everyday lives 	<p>Students will</p> <ul style="list-style-type: none"> ● Investigate minerals and rocks in labs. ● Investigate the properties of minerals and types rocks in labs. ● Investigate the rock cycle in labs. ● Explain where minerals and rocks are used everyday.
November	Weathering & Soil	<ol style="list-style-type: none"> 1. I can explain how weathering breaks down or changes rock. 2. I can explain what soil is and how it was created. 	<p>Students will</p> <ul style="list-style-type: none"> ● Demonstrate how rocks break down in labs. ● Experiment with different types of soil and show how soil breaks down and changes over time.
December	Plate Tectonics & Earth Dynamics	<ol style="list-style-type: none"> 1. I can talk about continental drift and Pangaea. 2. I can compare and contrast the seafloor with the land above sea level. 3. I can explain & demonstrate the theory of plate tectonics. 	<p>Students will</p> <ul style="list-style-type: none"> ● Demonstrate the theory of Plate Tectonics by recreating a play about it ● Investigate how the plates move and be able to explain the three types of plate boundaries.

January	<p>Earthquakes & Volcanoes Geologic Time</p> <p>Weather & Climate</p>	<ol style="list-style-type: none"> 1. I can understand what an earthquake is and how and why they occur. 2. I can understand what a volcano is and how and why they occur. 3. I can explain how we learn about Earth's past. 4. I can talk about geologic history and the evolution of life. <ol style="list-style-type: none"> 1. I can talk about what Earth's atmosphere is made of. 2. I can describe the different layers of the atmosphere. 3. I can describe what weather is and what drives weather patterns. 4. I can describe different kinds of severe weather. 5. I can explain the difference between weather and climate. 	<p>Students will</p> <ul style="list-style-type: none"> ● Investigate earthquakes around the world and compare and contrast them. ● Investigate the Ring of Fire ● Explain and discuss how volcanoes form <ul style="list-style-type: none"> ● Investigate air pressure ● Be able to explain the different layers of Earth's atmosphere ● Investigate how air circulates around the Earth ● Be able to explain and describe weather and weather patterns ● Investigate the different types of climates and compare and contrast them
February	Earth's Water	<ol style="list-style-type: none"> 1. I can understand why water is important to life. 2. I can explain how water is cycled and distributed on Earth. 3. I can explain why water quality is important and how we test and monitor it. 	<p>Students will</p> <ul style="list-style-type: none"> ● Research the water cycle and investigate why water is important to everyday life ● Put together a project showing the water cycle
March	Oceans & Freshwater	<ol style="list-style-type: none"> 1. I can explain what the ocean floor looks like. 2. I can explain why the oceans are salty. 3. I can talk about the major types of ocean currents. 4. I can talk about the different zones of the oceans and what type of animals that in the zones. 5. I can explain where we get most of our freshwater and how human impact is affecting the freshwater.. 	<p>Students will</p> <ul style="list-style-type: none"> ● Investigate the differences between oceans and freshwater. ● Research the different layers of the sea floor and what lives in each layer ● Discuss how ocean currents affect weather and climate ● Discuss where freshwater is found ● Investigate how human activities affect freshwater

April	Space Solar System	<ol style="list-style-type: none"> 1. I can explain how the Earth & our moon move. 2. I can talk about the sun and eclipses. 3. I can talk about the planets in our solar system. 	<p>Students will</p> <ul style="list-style-type: none"> ● Explain the different phases of the moon ● Investigate the solar system and prepare a project about the planets. ● Investigate the differences between the inner and outer planets.
May	Stars & Galaxies	<ol style="list-style-type: none"> 1. I can talk about the night sky. 2. I can explain how stars form. 3. I can talk about the Milky Way. 	<p>Students will</p> <ul style="list-style-type: none"> ● Investigate the night sky during labs. ● Investigate why some stars are brighter than others.