

COURSE

Quarter	Content	Skills	Assessments	Eligible content
1	Rocks & Minerals. Earth's Interior and Plate Tectonics. Earthquakes and Volcanoes.	To be able to explain the formation of minerals and rocks. To be able to compare and contrast geological processes that affect the earth's surface. To know the characteristics of magma. Causes and types of volcanic eruptions. Causes of earthquakes and effects on Earth's surface.	Test, quizzes, projects, notebooks, and class participation.	S.8.D.1.1 S.8.D.1.1.1 S.8.D.1.1.2 S.8.A.3.1.4 S.8.A.3.3.2 S.8.D.1.1 S.8.D.1.1.2 S.8.A.1.3.4 S.8.D.1.1. S.8.D.1.1.2 S.8.A.1.3.4
2	Weathering and Soil Formation. Atmosphere.	To understand how rocks weather and soil is formed. Identify ways that soil can be conserved. To understand how rocks weather and soil is formed. Identify ways that soil can be conserved.	Test, quizzes, projects, notebooks and class participation.	S.8.D.1.1. S.8.D.1.1.3 S.8.D.1.2 S.8.D.2.1 S.8.D.2.1.2 S.8.A.2.2.1
3	Weather Factors. Weather Patterns and Climate.	Explain energy from the sun and heat transfer. To be able to explain how winds form. Cause and effects of water in the atmosphere. Identify common types of precipitation. To be able to identify the major air masses and how they form. To be able to name the fronts and how they move Explain weather that is associated with cyclones and anti cyclones. To understand how storms form and safety factors. What factors meteorologists use to predict the weather.	Test, quizzes, projects, notebooks, and class participation.	S.8.D.2.1 S.8.D.2.1.1. S.8.D.2.1.2 S.8.D.2.1.3 S.8.A.2.2.2 S.8.D.2.1 S.8.D.2.1.1. S.8.D.2.1.2 S.8.D.2.1.3

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<p style="text-align: center;">4</p>	<p>Moon and Solar System. Earth's Water System. Oceans</p>	<p>The effects of the Earth's rotation and revolution. Gravity and inertia in space. Characteristics of the moon, phases, tides, and eclipses. Traveling into space. The sources of water on Earth and the water cycle. To be able to identify a river system. Underground water and how water is obtained from an aquifer. Conservation of water and water quality. To be able to describe the salinity of ocean water. Understanding the changes in temperature and conditions of different depths of the ocean.</p>	<p>Test, quizzes, projects, notebooks, and class participation.</p>	<p>S.8.D.3.1 S.8.D.3.1.1 S.8.D.3.1.2. S.8.D.3.1.3 S.8.D.1.3.3 S.8.D.1.3</p>
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