Earth

Content Area: **Science**
Course(s): **Science 3**
Time Period: **Undefined**
Length:
Status: **Published**

Unit Overview

Essential Questions

How do forces cause changes on Earth's surface?

What is the water cycle?

What are weather and climate?

What are minerals and rocks?

What is soil?

Content

The movement of water from Earth's surface into the air and back again is the water cycle.

Weather is what the air is like outside. Climate is the pattern of weather in a place over many years.

A rock is natural, solid, nonliving material made of one or more minerals. A mineral is a natural, nonliving material that makes up rock.

Soil is the layer of loose material that covers most of Earth's land.

Skills

Explain the sequence of the water cycle.

Distinguish between weather and climate and recognize tools used to measure weather conditions.

Explain what rocks are made from and classify different types of rock.

Describe what soil is made of and explain what types of soil are best for growing plants.

Assessments

Apply understanding of rocks and soil to describe how Earth's surface changes over time.

Study Guide

Chapter Review

Chapter Test

Benchmark Practice

Performance-Based Assessment, Program Guide pg 62: Model a Solar System, Rock Fantasy, and/or Brightness of Stars

STEM Activity Book

Lessons/Learning Scenarios

Chapter 6: Lesson 1, Lesson 2, Lesson 3, Lesson 4

Inquiry, pg. 256-257: What can cause rock to crack?

Vocabulary

Study Guide

Standards

SCI.3-4.5.1.4.B.3	Formulate explanations from evidence.	
SCI.3-4.5.1.4.C.1	Monitor and reflect on one's own knowledge regarding how ideas change over time.	
SCI.3-4.5.4.4.C.a	Rocks can be broken down to make soil.	
SCI.3-4.5.4.4.C.b	Earth materials in nature include rocks, minerals, soils, water, and the gases of the atmosphere. Attributes of rocks and minerals assist in their identification.	
SCI.3-4.5.4.4.F.1	Identify patterns in data collected from basic weather instruments.	
SCI.3-4.5.4.4.G.3	Trace a path a drop of water might follow through the water cycle.	

Resources