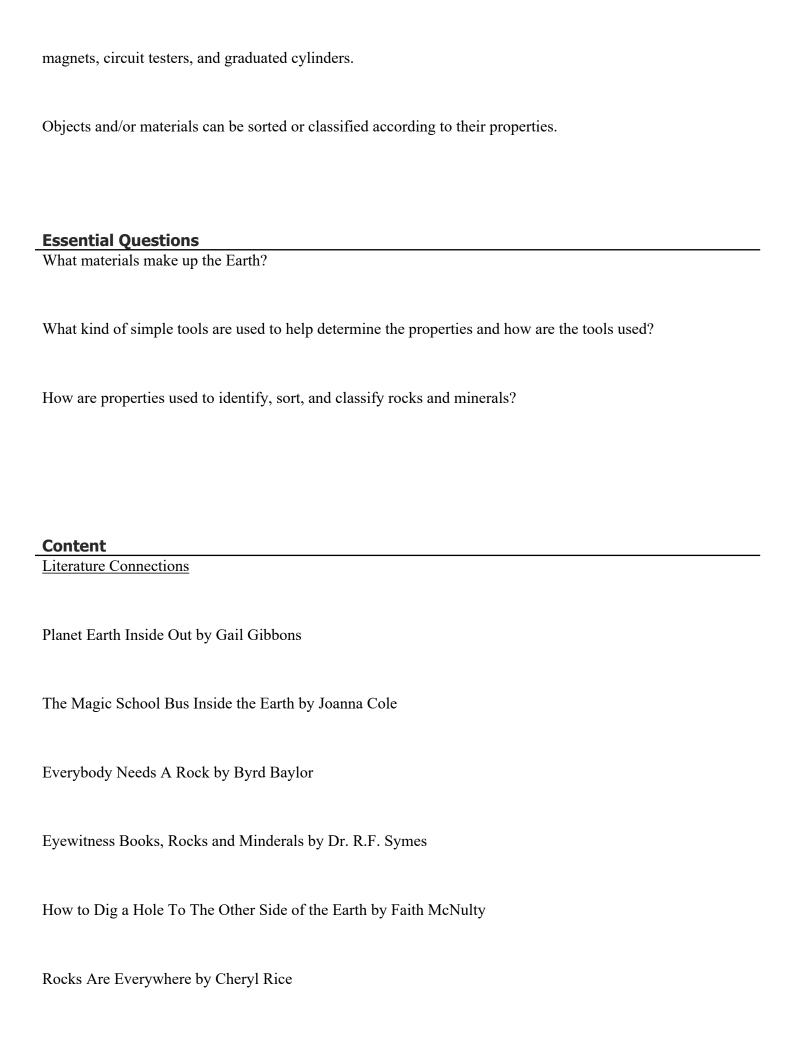
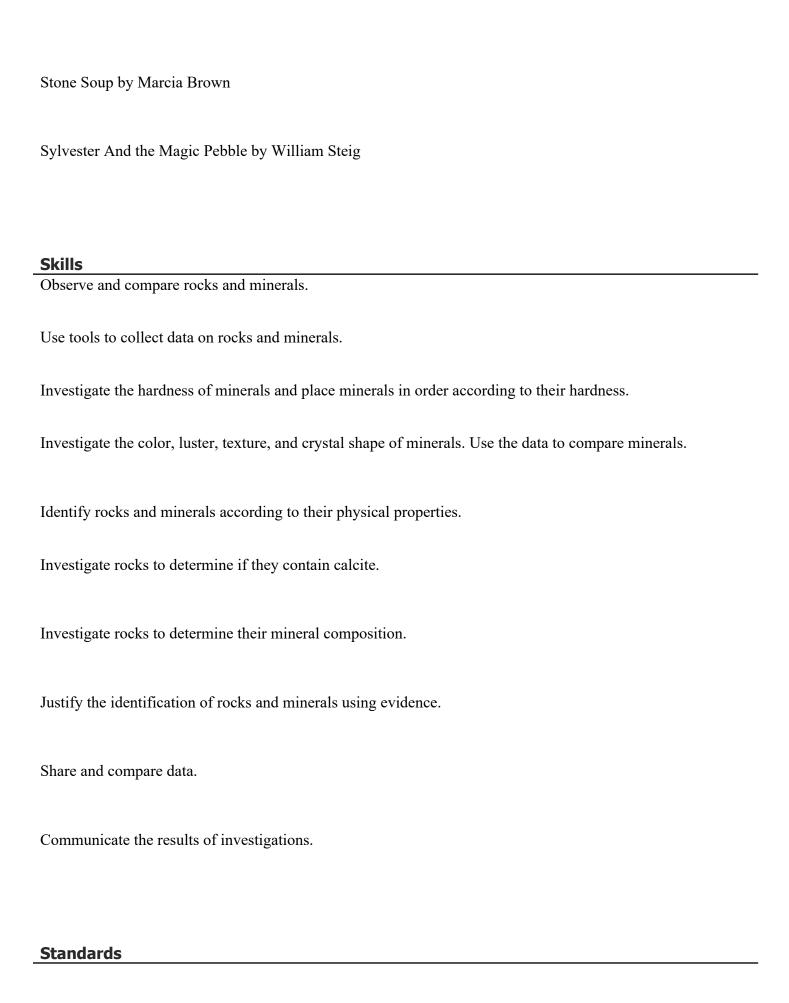
Unit III: Earth's Materials

Content Area: Science
Course(s): Science 2
Time Period: February
Length: Jan 25 - April 8
Status: Published

Enduring Understandings		
Earth materials are formed by various natural processes and can be used in different ways.		
These systems continually interact at different rates of time, affecting the shape of the Earth's surface regionally and globally.		
Soil is a product of the interactions of the Earth Systems.		
The Earth System includes a variety of materials in solid, liquid and gaseous form.		
Earth materials absorb and reflect the sun's energy differently.		
things can be human-created or naturally occurring.		
Erosion and deposition result from the interaction among air, water, and land.		
Matter has properties (color, hardness, odor, sound, taste, etc.) that can be observed through the senses.		
Objects have properties that can be observed, described, and/or measured: length, width, volume, size, shape mass or weight, temperature, texture, flexibility, reflectiveness of light.		
Measurements can be made with standard metric units and nonstandard units.		
The material(s) an object is made up of determine some specific properties of the object (sink/float, conductivity, magnetism).		

Properties can be observed or measured with tools such as hand lenses, metric rulers, thermometers, balances,





SCI.2	Structure and Properties of Matter
SCI.2	Earth's Systems: Processes that Shape the Earth
SCI.2-ESS2-2	Develop a model to represent the shapes and kinds of land and bodies of water in an area.
SCI.2-ESS2-1	Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.
SCI.2-ESS2-3	Obtain information to identify where water is found on Earth and that it can be solid or liquid.
SCI.2-ESS1-1	Use information from several sources to provide evidence that Earth events can occur quickly or slowly.
SCI.2-PS1-4	Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.
SCI.2-PS1-2	Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.
SCI.2-PS1-3	Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object.
SCI.2-PS1-1	Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.