

Curriculum Map

	Content and Essential Questions	Skills: Students will...	Assessment	Materials/Technology Resources
	<p>Properties of matter – solid, liquid, gas (SLG) PS 2</p> <ul style="list-style-type: none"> • What is matter? • What three forms does matter come in? (SLG) • Where are these forms of matter commonly found? • What are some properties of matter? (SLG) • How can matter be sorted by its properties? • What happens when forms of matter mix? • How do our 5 senses help in investigating matter? • How do we set up basic experiments to help answer our questions? 	<ul style="list-style-type: none"> • develop a working definition of matter • develop the use the 5 senses for examining SLG • use basic measuring tools ó ruler, magnifier, simple balance • explore the various forms of matter, solid, liquid, gas (SLG) • sort matter by physical properties such as size, shape, color, texture, smell, weight, volume • use the basic skills of setting up experiments • experiment mixing and separating various forms of matter • record and communicate results of their activities 	<ul style="list-style-type: none"> • describe matter using a working definition • demonstrate how to measure with basic tools • explain how to sort solids, liquids, and gases into groups using sensory clues • match where (SLG) are found in pictures • pose questions based on the topic • set up basic experiments • show and communicate results of experimenting 	<ul style="list-style-type: none"> • variety of materials to represent solids, liquids and gases • plastic bottle and balloons • basic measuring tools ó rulers, magnifiers, simple balance
	<p>Earth materials and their properties (rocks and soil) ESS 1 LS 6</p> <ul style="list-style-type: none"> • What are earth materials? • Where do earth materials come from? • How do we describe earth materials using size, shape, color, texture, smell, weight, volume? • How do we use a simple balance? • How do we find simple volume? • What are our 5 senses? • How do our five senses help investigate earth materials? • How do we set up tests of earth materials? 	<ul style="list-style-type: none"> • develop an understanding of what materials makes up the earth • collect samples of earth materials • use basic measuring tools to explore properties (weight, volume) • observe samples utilizing the 5 senses • develop a plan to sort various earth materials into groups and sub-groups • record and communicate results of their activities 	<ul style="list-style-type: none"> • locate where earth materials come from on pictures / maps • demonstrate the use of the 5 senses in discovery • demonstrate how measuring with basic tools helps sort the earth materials • draw charts to show the results of sorting materials • ask questions based on the topic 	<ul style="list-style-type: none"> • basic measuring tools ó rulers, magnifiers, simple balance • assortment of rocks and soils • pans, sifters, funnels • conduct school yard trips

	Content and Essential Questions	Skills: Students will...	Assessment	Materials/Technology Resources	
	<p>Air is a mixture (oxygen and carbon dioxide, water vapor, dust) ES 2</p> <ul style="list-style-type: none"> • What basic gases are found on the earth's atmosphere and where they come from? • How are these gases different from each other? • In what ways can we measure and detect air? • What is wind and what causes it? • What are some results of wind and wind patterns? 	<ul style="list-style-type: none"> • identify the basic gases of oxygen, carbon dioxide and water vapor • discover where they come from and where they are found on earth • investigate the uses of oxygen, carbon dioxide and water vapor • measure and compare/contrast properties of these gases with Venn Diagrams • identify / collect other common materials found in the air • explore the effects of wind and wind patterns • set up basic experiments to investigate the properties or effects of air • record and communicate results of their activities 	<ul style="list-style-type: none"> • locate on a picture appropriate places to find these gases • identify and match uses of gases with basic physical properties • pose questions based on the topic • set up basic experiments • show and communicate results of experimenting • *build a class terrarium and locate the basic earth materials 	<ul style="list-style-type: none"> • collections and/or pictures of a variety of places to explore a variety environments • tape for collecting air particles • an aquarium with water, plants and earth materials for further investigations of the relationship of living and non-living forms of matter 	

