

First Grade Science/S.S. Pacing Guide

SOL	Standards and Essential Skills	Time
S.S. 1.10	<p><u>Citizenship-</u> The student will apply the traits of a good citizen by</p> <ul style="list-style-type: none">a) focusing on fair play, exhibiting good sportsmanship, helping others, and treating others with respect;b) recognizing the purpose of rules and practicing self-control;c) working hard in school;d) taking responsibility for one's own actions;e) valuing honesty and truthfulness in oneself and others; andf) participating in classroom decision making through voting.	8 days
Science 1.12	<p><u>Force and Motion-</u> The student will investigate and understand that moving objects exhibit different kinds of motion. Key concepts include</p> <ul style="list-style-type: none">a) objects may have straight, circular, and back-and-forth motions;b) objects may vibrate and produce sound; andc) pushes or pulls can change the movement of an object.	8 days

<p>S.S. 1.6</p>	<p><u>Virginia landforms-</u> The student will develop a geographic understanding that</p> <ul style="list-style-type: none"> a) the location of Virginia determines its climate and results in four distinct seasons; and b) the landforms of Virginia affect the places people live. 	<p>7 days</p>
<p>S.S. 1.11 1.12</p>	<p><u>Virginia Symbols/Traditions</u> The student will recognize the symbols and traditional practices that honor and foster patriotism in the United States by demonstrating respect for the American flag by learning about the Pledge of Allegiance.</p> <p>The student will recognize the symbols and traditional practices that honor the Commonwealth of Virginia by</p> <ul style="list-style-type: none"> a) identifying the Virginia flag, state capitol building, state bird, and state flower; and b) describing why people have symbols and traditions. 	<p>8 days</p>
<p>Science 1.7</p>	<p><u>Trees/Fall</u> The student will investigate and understand weather and seasonal changes. Key concepts include</p> <ul style="list-style-type: none"> a) changes in temperature, light, and precipitation affect plants and animals, including humans; b) there are relationships between daily and seasonal changes; and c) changes in temperature, light, and precipitation can be observed and recorded over time. 	<p>8 days</p>

S.S. 1.2	<p><u>Virginia Past/Present/Future-</u> The student will demonstrate knowledge of Virginia history by describing important events and people in the history of the Commonwealth, including</p> <p>c) life in Virginia today, including food, clothing, shelter, transportation, and recreation.</p>	8 days
S.S. 1.2 1.3	<p><u>Jamestown-</u> The student will demonstrate knowledge of Virginia history by describing important events and people in the history of the Commonwealth, including</p> <p>a) the settlement of Virginia at Jamestown; The student will describe the stories of influential people in the history of Virginia and their contributions to our Commonwealth, with emphasis on</p> <p>a) Powhatan; b) Pocahontas; c) Christopher Newport;</p>	8 days
S.S. 1.13	<p><u>Elections/Contributions</u> The student will understand that the people of Virginia</p> <p>a) have state and local government officials who are elected by voters; b) make contributions to their communities; and</p> <ul style="list-style-type: none"> • Elections/First Grade mascot PBL Project 	9 days
S.S. 1.13	<p><u>Holiday Traditions</u> The student will understand that the people of Virginia</p> <p>c) include people who have diverse ethnic origins, customs, and traditions and are united as Americans by common principles.</p>	9 days

<p>Science</p> <p>1.5</p> <p>1.7</p>	<p><u>Animals</u></p> <p>The student will investigate and understand that animals, including humans, have basic needs and certain distinguishing characteristics. Key concepts include</p> <p>a) basic needs include adequate air, food, water, shelter, and space (habitat);</p> <p>b) animals, including humans, have many different physical characteristics; and</p> <p>c) animals can be classified according to a variety of characteristics.</p> <p>The student will investigate and understand weather and seasonal changes. Key concepts include</p> <p>a) changes in temperature, light, and precipitation affect plants and animals, including humans;</p> <ul style="list-style-type: none"> • Animal PBL project 	<p>13 days</p>
<p>S.S.</p> <p>1.2</p> <p>1.3</p>	<p><u>Famous Virginians</u></p> <p>The student will demonstrate knowledge of Virginia history by describing important events and people in the history of the Commonwealth, including</p> <p>b) famous Virginians, such as George Washington and Thomas Jefferson, who helped form a new nation</p> <p>The student will describe the stories of influential people in the history of Virginia and their contributions to our Commonwealth, with emphasis on</p> <p>d) Maggie L. Walker</p> <p>e) Arthur R. Ashe, Jr.</p>	<p>10 days</p>
<p>S.S.</p> <p>1.4</p>	<p><u>Holidays</u></p> <p>The student will describe the lives of people associated with major holidays, including</p>	<p>4 days</p>

	a) George Washington Day (Presidents' Day); b) Independence Day (Fourth of July); and c) Martin Luther King, Jr., Day.	
Science 1.3	<p><u>Matter</u> The student will investigate and understand how different common materials interact with water. Key concepts include</p> a) some liquids will separate when mixed with water, but others will not; b) some solids will dissolve in water, but others will not; and c) some substances will dissolve more readily in hot water than in cold water.	6 days
Science 1.6	<p><u>Sun/Earth relationship</u> The student will investigate and understand the basic relationships between the sun and Earth. Key concepts include</p> a) the sun is the source of energy and light that warms the land, air, and water; b) the sun's relative position in the morning is east and in the late afternoon is west.	5 days
S.S. 1.5	<p><u>Maps</u> The student will develop map skills by</p> a) recognizing basic map symbols, including references to land, water, cities, and roads; b) using cardinal directions on maps; c) identifying the shapes of the United States and Virginia on maps and globes; d) locating Washington, D.C., the capital of the United States, and Richmond, the capital of Virginia, on a United States map; and e) constructing simple maps, including a title, map legend, and compass rose.	12 days

Science 1.7	<p><u>Spring/Seasonal Changes</u> The student will investigate and understand weather and seasonal changes. Key concepts include</p> <ul style="list-style-type: none"> a) changes in temperature, light, and precipitation affect plants and animals, including humans; b) there are relationships between daily and seasonal changes; and c) changes in temperature, light, and precipitation can be observed and recorded over time. 	4 days
Science 1.4	<p><u>Plants</u> The student will investigate and understand that plants have basic life needs and functional parts and can be classified according to certain characteristics. Key concepts include</p> <ul style="list-style-type: none"> a) plants need nutrients, air, water, light, and a place to grow; b) basic parts of plants; and c) plants can be classified based on a variety of characteristics. 	10 days
Science 1.8	<p><u>Natural Resources/Recycling/Earth Day</u> The student will investigate and understand that natural resources are limited. Key concepts include</p> <ul style="list-style-type: none"> a) identification of natural resources; b) factors that affect air and water quality; and c) recycling, reusing, and reducing consumption of natural resources. 	12 days

<p>S.S.</p> <p>1.7</p> <p>1.8</p> <p>1.9</p>	<p><u>Economics</u></p> <p>The student will explain the difference between goods and services and describe how people are consumers and producers of goods and services.</p> <p>The student will explain that people make choices because they cannot have everything they want.</p> <p>The student will recognize that people save money for the future to purchase goods and services.</p> <ul style="list-style-type: none"> ● Economics PBL Project 	<p>15 days</p>