

Science First Grade

Indicators	Standards	Month
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<p><u>Science As Inquiry</u></p> <p><u>Tools</u> measurement</p> <p><u>Safety</u></p> <p><u>Observations/Discussions</u></p> <p><u>Drawing/Labeling</u></p> <p><u>Experiments</u></p>	<p>The student...</p> <ol style="list-style-type: none"> 1. identifies <i>properties</i> of objects. 2. <i>classifies</i> and arranges groups of objects by a variety of properties, one property at a time. 3. uses appropriate materials, <i>tools</i>, and <i>safety procedures</i> to collect information. 4. asks and answers questions about objects, organisms, and events in his/her environment. 5. describes an observation orally or pictorially <i>properties</i> of objects. 	<p>August - May</p> <p>Should be incorporated in every science lesson.</p>
<p><u>Physical Science</u></p> <p><u>Objects</u></p> <p><u>Solids/Liquids</u></p> <p><u>Directional Words</u></p> <p><u>Mass</u></p> <p><u>Pulls/Pushes</u></p> <p><u>Senses</u></p> <p><u>Machines</u></p>	<p>The student...</p> <ol style="list-style-type: none"> 1. observes <i>properties of objects</i> and measures or describes those <i>properties</i> using age-appropriate tools and materials. 2. separates or sorts a group of objects or materials by <i>properties</i>. 3. compares the properties of solids and liquids. 4. describes the position of an object in relation to other objects. 	<p>April</p> <p>May</p>

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<p><u>Life Science</u></p> <p><u>Plants:</u> parts/structures needs life cycles habitats</p> <p><u>Animals:</u> parts/structures needs life cycles habitats</p>	<p>The student...</p> <ol style="list-style-type: none"> discusses that <i>organisms</i> live only in <i>environments</i> in which their needs can be met. observes <i>life cycles</i> of different living things. observes living things in various <i>environments</i> examines the <i>structures/parts</i> of living things. <i>organisms</i> live only in <i>environments</i> in which their needs can be met. 	<p>August-April</p>
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<p><u>Earth and Space Science</u></p> <p><u>Space:</u> sun/moon/stars planets sky</p> <p><u>Weather</u> temperature seasons severe weather</p> <p><u>Shadows</u></p> <p><u>Protecting the Earth</u> recycling</p> <p><u>Natural Disasters:</u> earthquakes volcano</p> <p><u>Landforms</u></p> <p><u>Rocks, Minerals, Soils</u> fossils</p> <p><u>Natural Resource</u> water minerals</p>	<p>(S4:B1) The student... 1. observes, compares, and sorts earth materials</p> <p>(S4:B2) The student... 1. observes and recognizes the sun, moon, stars, clouds, birds,airplanes, and other objects in the sky. 2. describes that the sun provides light and warmth.</p> <p>(S4:B3) The student... 1. observes changes in the weather from day to day. 2. records weather changes daily. 3. discusses weather safety procedures.</p>	<p>January</p> <p>August-May Daily during calendar</p> <p>September, December, March</p> <p>February</p> <p>April</p> <p>March</p> <p>January</p>
<p><u>Science And Technology</u></p> <p><u>Machines</u> parts uses</p> <p><u>Tools</u></p> <p><u>Inventions</u></p> <p><u>Problem Solving</u></p>	<p>The student... 1. explores the way things work. 2. experiences science through <i>technology</i>.</p>	<p>May</p>

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<p><u>Science in Personal and Environmental Perspectives</u></p> <p><u>Nutrition</u> Food Pyramid Healthy Foods</p> <p><u>Safety</u> Stranger Danger Fire Safety Personal Information School Rules</p> <p><u>Health</u> Exercise Dental Health</p> <p>Germ</p>	<p>The student...</p> <ol style="list-style-type: none"> engages in personal care. discusses healthy foods. discusses that humans need to practice being safe. 	<p>September</p> <p>October</p> <p>February</p> <p>November-December</p>
<p><u>History and Nature of Science</u></p> <p><u>Asking Questions</u></p> <p><u>Investigations</u></p>	<p>The student...</p> <ol style="list-style-type: none"> is involved in explorations that make his/her mind wonder and know that he/she is practicing science. uses <i>technology</i> to learn about people in science. 	<p>September-May Should be incorporated throughout every science lesson</p>