

## Science Second Grade

Indicators	Standards	Month
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<p><b><u>Science As Inquiry</u></b></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"> <li>1. identifies <i>properties</i> of objects.</li> <li>2. <i>classifies</i> and arranges groups of objects by a variety of properties, one property at a time.</li> <li>3. uses appropriate materials, <i>tools</i>, and <i>safety procedures</i> to collect information.</li> <li>4. asks and answers questions about objects, organisms, and events in his/her environment.</li> <li>5. describes an observation orally or pictorially <i>properties</i> of objects.</li> </ol>	<p>August</p> <p>August-May</p> <p>August-May</p>
<p><b><u>Physical Science</u></b></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"> <li>1. observes <i>properties of objects</i> and measures or describes those <i>properties</i> using age-appropriate tools and materials.</li> <li>2. separates or sorts a group of objects or materials by <i>properties</i>.</li> <li>3. compares the properties of solids and liquids.</li> <li>4. describes the position of an object in relation to other objects.</li> </ol>	<p>April-May</p> <p>April-May</p> <p>Aug-May</p> <p>May</p> <p>May</p> <p>May</p>

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<p><b><u>Life Science</u></b></p> <p><u>Plants:</u> parts/structures plant 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"> <li>discusses that <i>organisms</i> live only in <i>environments</i> in which their needs can be met.</li> <li>observes <i>life cycles</i> of different living things.</li> <li>observes living things in various <i>environments</i></li> <li>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.</li> </ol>	<p>April</p> <p>September</p>
<p><b><u>Earth and Space Science</u></b></p> <p><u>Space:</u> sun/moon/stars planets sky</p> <p><u>Weather</u> temperature severe weather seasons</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...</p> <ol style="list-style-type: none"> <li>observes, compares, and sorts earth materials</li> </ol> <p>(S4:B2) The student...</p> <ol style="list-style-type: none"> <li>observes and recognizes the sun, moon, stars, clouds, birds, airplanes, and other objects in the sky.</li> <li>describes that the sun provides light and warmth.</li> </ol> <p>(S4:B3) The student...</p> <ol style="list-style-type: none"> <li>observes changes in the weather from day to day.</li> <li>records weather changes daily.</li> <li>discusses weather safety procedures.</li> </ol>	<p>November</p> <p>March</p> <p>February</p> <p>April</p> <p>March</p> <p>Jan</p> <p>Jan</p> <p>Jan</p>

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Indicators	Standards	Month
<p><b><u>Science And Technology</u></b></p> <p><u>Tools</u></p> <p><u>Inventions</u></p> <p><u>Problem Solving</u></p>	<p>The student...</p> <ol style="list-style-type: none"> <li>1. explores the way things work.</li> <li>2. experiences science through <i>technology</i>.</li> </ol>	<p>December</p>
<p><b><u>Science in Personal and Environmental Perspectives</u></b></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 Germs</p>	<p>The student...</p> <ol style="list-style-type: none"> <li>1. engages in personal care.</li> <li>2. discusses healthy foods.</li> <li>3. discusses that humans need to practice being safe.</li> </ol>	<p>October</p> <p>October</p> <p>August</p> <p>February</p>
<p><b><u>History and Nature of Science</u></b></p> <p><u>Asking Questions</u></p> <p><u>Investigations</u></p>	<p>The student...</p> <ol style="list-style-type: none"> <li>1. is involved in explorations that make his/her mind wonder and know that he/she is practicing science.</li> <li>2. uses <i>technology</i> to learn about people in science.</li> </ol>	<p>August-May</p>