

# 1<sup>st</sup> Grade Science Public Year-at-a-Glance

2018 – 2019

Standards visited <b>all year</b>	<p><a href="#">SC.1.N.1.1</a> Raise questions about the natural world, investigate them in teams through free exploration, and generate appropriate explanations based on those explorations.</p> <p><a href="#">SC.1.N.1.2</a> Using the five senses as tools, make careful observations, describe objects in terms of number, shape, texture, size, weight, color, and motion, and compare their observations with others.</p> <p><a href="#">SC.1.N.1.3</a> Keep records as appropriate, such as pictorial and written records- of investigations conducted.</p> <p><a href="#">SC.1.N.1.4</a> Ask "how do you know?" in appropriate situations.</p>	<ul style="list-style-type: none"> <li>• <a href="#">Sid the Science Kids-Activities</a></li> <li>• <a href="#">Five Sense Activities</a></li> </ul>
Quarter 1 Aug 10 – Oct 12	<b>Major Concepts / Topics</b>	<b>Possible Resources</b>
	<p><b>Big Idea #1: The Practice of Science</b>  <a href="#">SC.1.N.1.1</a> <a href="#">SC.1.N.1.2</a> <a href="#">SC.1.N.1.3</a> <a href="#">SC.1.N.1.4</a> (Nature of Science)</p> <p><b>Big Idea #8 Properties of Matter</b>  <a href="#">SC.1.P.8.1</a> (Sort by observable properties)</p>	<ul style="list-style-type: none"> <li>• <a href="#">I Sense a Coconut</a></li> <li>• <a href="#">What is Next?</a></li> <li>• <a href="#">Draw What You See With a Magnifying Glass</a></li> <li>• <a href="#">Properties of Materials</a></li> <li>• <a href="#">Grouping and Changing Materials</a></li> </ul>
Quarter 2 Oct 15 – Dec 21	<b>Major Concepts / Topics</b>	<b>Possible Resources</b>
	<p><b>Big Idea #5: Earth in and Space and Time</b>  <a href="#">SC.1.E.5.3</a>(Magnifiers)  <a href="#">SC.1.E.5.1</a> (Observe stars)  <a href="#">SC.1.E.5.4</a> (Harmful and beneficial properties of the Sun)  <a href="#">SC.1.E.5.2</a> (Law of Gravity)</p> <p><b>Big Idea #6 Earth Structures</b>  <a href="#">SC.1.E.6.2</a> (Need for Water and Water Safety)  <a href="#">SC.1.E.6.1</a> (Earth's surface)  <a href="#">SC.1.E.6.3</a> (Earth changes- fast or slow)</p>	<ul style="list-style-type: none"> <li>• <a href="#">Night Sky on Paper</a></li> <li>• <a href="#">Jobs of the Sun</a></li> <li>• <a href="#">Be Safe, Sunwise</a></li> <li>• <a href="#">Water Safety Book</a></li> <li>• <a href="#">Bobber the Water Safety Dog: Life Jackets</a></li> <li>• <a href="#">Earth Systems Cards</a></li> <li>• <a href="#">It's All Natural! A Materials Scavenger Hunt</a></li> <li>• <a href="#">Fast and Slow Changes to the Earth's Surface</a></li> <li>• <a href="#">Hurricanes</a></li> <li>• <a href="#">Dirt Track</a></li> </ul>

All standards are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course are best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

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	Major Concepts / Topics	Possible Resources
Quarter 3 Jan 7 – Mar 14	<p><b>Big Idea #12 Motion of Objects</b>  <a href="#">SC.1.L.12.1</a> (Ways Objects Move)</p> <p><b>Big Idea #13 Forces and Changes in Motion</b>  <a href="#">SC.1.L.13.1</a> (Push/Pull)</p> <p><b>Big Idea # 14 Organization and Development of Living Organisms</b>  <a href="#">SC.1.L.14.3</a> (Living and Non-living)  <a href="#">SC.1.L.14.1</a> (Observe living things)</p>	<ul style="list-style-type: none"> <li>• <a href="#">How Things Fall</a></li> <li>• <a href="#">How Things Move</a></li> <li>• <a href="#">Forces and Motion</a></li> <li>• <a href="#">Push or a Pull</a></li> <li>• <a href="#">Pushes and Pulls Game</a></li> <li>• <a href="#">Living and Non-living Things</a></li> </ul>
Quarter 4 Mar 25 – May 24	<p><b>Big Idea # 14 Organization and Development of Living Organisms</b>  <a href="#">SC. 1.L.14.2</a> (Parts of a Plant)</p> <p><b>Big Idea #16 Heredity and Reproduction</b>  <a href="#">SC. 1.L.16.1</a> (Plants and Animals Resemble their Parents)</p> <p><b>Big Idea # 17 Interdependence</b>  <a href="#">SC.1.L.17.1</a> (Needs of living things)</p>	<ul style="list-style-type: none"> <li>• <a href="#">Who do I belong to? Webquest</a></li> <li>• <a href="#">What Do Animals Eat?</a></li> <li>• <a href="#">Growing Plants</a></li> <li>• <a href="#">Matching Parents with Offspring</a></li> <li>• <a href="#">Watch it Grow</a></li> <li>• <a href="#">Growing Sunflower Sprouts</a></li> </ul>

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