

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

2016 – 2017

Standards visited all year	Science	<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.	<a href="#">Sid the Science Kids- Activities</a>  <a href="#">Five Sense Activities</a>
		<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.	
		<a href="#">SC.1.N.1.3</a> Keep records as appropriate, such as pictorial and written records- of investigations conducted.	
		<a href="#">SC.1.N.1.4</a> Ask "how do you know?" in appropriate situations.	
Quarter 1 Aug 10 – Oct 14	<b>Week</b>	<b>Major Concepts / Topics</b>	<b>Possible Resources</b>
	1	<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)	<a href="#">I Sense a Coconut</a>
	2	<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)	<a href="#">What is Next?</a> (sorting objects by properties)
	3	<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)	
	4	<b>Big Idea #5: Earth in and Space and Time</b> <a href="#">SC.1.E.5.3</a> (Magnifiers)	<a href="#">Draw What You See With a Magnifying Glass</a>
	5	<b>Big Idea #5: Earth in Space and Time</b> <a href="#">SC.1.E.5.1</a> (Observe stars)	<a href="#">Night Sky on Paper</a>
	6	<b>Big Idea #5 Earth in Space and Time</b> <a href="#">SC.1.E.5.4</a> (Harmful and beneficial properties of the Sun)	<a href="#">Jobs of the Sun</a>
	7	<b>Big Idea #5 Earth in Space and Time</b> <a href="#">SC.1.E.5.4</a> (Harmful and beneficial properties of the Sun)	<a href="#">The sun helps us Be Safe, Sunwise</a>
	8	<b>Big Idea #5 Earth in Space and Time</b> <a href="#">SC.1.E.5.2</a> (Law of Gravity)	<a href="#">Gravity</a>
	9	<b>Big Idea #5 Earth in Space and Time</b> <a href="#">SC.1.E.5.2</a> (Law of Gravity)	<a href="#">Gravity: PBS Kids</a>
Quarter 2 Oct 18 – Dec 21	<b>Week</b>	<b>Major Concepts / Topics</b>	<b>Possible Resources</b>
	1	<b>Big Idea #6 Properties of Matter</b> <a href="#">SC.1.P.8.1</a> (Sort by observable properties)	<a href="#">Properties of Materials</a>

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.

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	2	<b>Big Idea #6 Properties of Matter</b> <a href="#">SC.1.P.8.1</a> (Sort by observable properties)	<a href="#">Grouping and Changing Materials</a>
	3	<b>Big Idea #5 Earth Structures</b> <a href="#">SC.1.E.6.2</a> (Need for Water and Water Safety)	<a href="#">Water Safety Book</a>
	4	<b>Big Idea #5 Earth Structures</b> <a href="#">SC.1.E.6.2</a> (Need for Water and Water Safety)	<a href="#">Bobber the Water Safety Dog: Life Jackets</a>
	5	<b>Big Idea #6 Earth Structures</b> <a href="#">SC.1.E.6.1</a> (Earth's surface)	<a href="#">Earth Systems Cards</a>
	6	<b>Big Idea #6 Earth Structures</b> <a href="#">SC.1.E.6.1</a> (Earth's surface)	<a href="#">It's All Natural! A Materials Scavenger Hunt</a>
	7	<b>Big Idea #6 Earth Structures</b> <a href="#">SC.1.E.6.3</a> (Earth changes- fast or slow)	<a href="#">Fast and Slow Changes to the Earth's Surface</a>
	8	<b>Big Idea #6 Earth Structures</b> <a href="#">SC.1.E.6.3</a> (Earth changes- fast or slow)	<a href="#">Hurricanes</a>
	9	<b>Big Idea #6 Earth Structures</b> <a href="#">SC.1.E.6.3</a> (Earth changes- fast or slow)	<a href="#">Dirt Track</a>
	<b>Week</b>	<b>Major Concepts / Topics</b>	<b>Possible Resources</b>
Quarter 3 Jan 5 – Mar 10	1	<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="#">Living and Non-living Things</a>
	2	<b>Big Idea # 14 Organization and Development of Living Organisms</b> <a href="#">SC.1.L.14.1</a> (Observe living things)	<a href="#">Walking Stick</a>
	3	<b>Big Idea # 17 Interdependence</b> <a href="#">SC.1.L.17.1</a> (Needs of living things)	<a href="#">What Do Animals Eat?</a>
	4	<b>Big Idea # 17 Interdependence</b> <a href="#">SC.1.L.17.1</a> (Needs of living things)	<a href="#">Animals Make a Living</a>
	5	<b>Big Idea # 14 Organization and Development of Living Organisms</b> <a href="#">SC. 1.L.14.2</a> (Parts of a Plant)	<a href="#">Growing Plants</a>
	6	<b>Big Idea # 14 Organization and Development of Living Organisms</b> <a href="#">SC. 1.L.14.2</a> (Parts of a Plant)	<a href="#">Matching Parents with Offspring</a>
	7	<b>Big Idea #16 Heredity and Reproduction</b> <a href="#">SC. 1.L.16.1</a> (Plants and Animals Resemble their Parents)	
	8	<b>Big Idea #16 Heredity and Reproduction</b> <a href="#">SC. 1.L.16.1</a> (Plants and Animals Resemble their Parents)	
	9	<b>Big Idea #16 Heredity and Reproduction</b> <a href="#">SC. 1.L.16.1</a> (Plants and Animals Resemble their Parents)	<a href="#">Growing Sunflower Sprouts</a>

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	Week	Major Concepts / Topics	Possible Resources
Quarter 4 Mar 21 – May 24	1	<b>Big Idea # 14 Organization and Development of Living Organisms</b> <a href="#">SC. 1.L.14.2</a> (Parts of a Plant) <b>Big Idea #16 Heredity and Reproduction</b> <a href="#">SC. 1.L.16.1</a> (Plants and Animals Resemble their Parents)	<a href="#">Who do I belong to? Webquest</a>
	2	<b>Big Idea # 14 Organization and Development of Living Organisms</b> <a href="#">SC. 1.L.14.2</a> (Parts of a Plant) <b>Big Idea #16 Heredity and Reproduction</b> <a href="#">SC. 1.L.16.1</a> (Plants and Animals Resemble their Parents)	 My Living Organism Book.pdf
	3	<b>Big Idea # 14 Organization and Development of Living Organisms</b> <a href="#">SC. 1.L.14.2</a> (Parts of a Plant) <b>Big Idea #16 Heredity and Reproduction</b> <a href="#">SC. 1.L.16.1</a> (Plants and Animals Resemble their Parents)	
	4	<b>Big Idea #12 Motion of Objects</b> <a href="#">SC.1.L.12.1</a> (Ways Objects Move)	<a href="#">How Things Fall</a>
	5	<b>Big Idea #12 Motion of Objects</b> <a href="#">SC.1.L.12.1</a> (Ways Objects Move)	 How_Things_Move.pdf
	6	<b>Big Idea #12 Motion of Objects</b> <a href="#">SC.1.L.12.1</a> (Ways Objects Move)	<a href="#">How Things Move</a>
	7	<b>Big Idea #13 Forces and Changes in Motion</b> <a href="#">SC.1.L.13.1</a> (Push/Pull)	<a href="#">Forces and Motion</a>
	8	<b>Big Idea #13 Forces and Changes in Motion</b> <a href="#">SC.1.L.13.1</a> (Push/Pull)	<a href="#">Push or a Pull</a>
	9	<b>Big Idea #13 Forces and Changes in Motion</b> <a href="#">SC.1.L.13.1</a> (Push/Pull)	<a href="#">Pushes and Pulls Game</a>

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