

1st Grade Science Public Year-at-a-Glance

2017 – 2018

Standards visited all year	Science	SC.1.N.1.1 Raise questions about the natural world, investigate them in teams through free exploration, and generate appropriate explanations based on those explorations.	Sid the Science Kids- Activities Five Sense Activities
		SC.1.N.1.2 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.	
		SC.1.N.1.3 Keep records as appropriate, such as pictorial and written records- of investigations conducted.	
		SC.1.N.1.4 Ask "how do you know?" in appropriate situations.	
Quarter 1 Aug 10 – Oct 13	Week	Major Concepts / Topics	Possible Resources
	1	Big Idea #1: The Practice of Science SC.1.N.1.1 SC.1.N.1.2 SC.1.N.1.3 SC.1.N.1.4 (Nature of Science)	I Sense a Coconut
	2	Big Idea #1: The Practice of Science SC.1.N.1.1 SC.1.N.1.2 SC.1.N.1.3 SC.1.N.1.4 (Nature of Science)	What is Next? (sorting objects by properties)
	3	Big Idea #1: The Practice of Science SC.1.N.1.1 SC.1.N.1.2 SC.1.N.1.3 SC.1.N.1.4 (Nature of Science)	
	4	Big Idea #5: Earth in and Space and Time SC.1.E.5.3 (Magnifiers)	Draw What You See With a Magnifying Glass
	5	Big Idea #5: Earth in Space and Time SC.1.E.5.1 (Observe stars)	Night Sky on Paper
	6	Big Idea #5 Earth in Space and Time SC.1.E.5.4 (Harmful and beneficial properties of the Sun)	Jobs of the Sun
	7	Big Idea #5 Earth in Space and Time SC.1.E.5.4 (Harmful and beneficial properties of the Sun)	Be Safe, Sunwise
	8	Big Idea #5 Earth in Space and Time SC.1.E.5.2 (Law of Gravity)	
	9	Big Idea #5 Earth in Space and Time SC.1.E.5.2 (Law of Gravity)	
Quarter 2 Oct 17 – Dec 13	Week	Major Concepts / Topics	Possible Resources
	1	Big Idea #6 Properties of Matter SC.1.P.8.1 (Sort by observable properties)	Properties of Materials

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.

1st Grade Science Public Year-at-a-Glance

2017 – 2018

	2	Big Idea #6 Properties of Matter SC.1.P.8.1 (Sort by observable properties)	Grouping and Changing Materials
	3	Big Idea #5 Earth Structures SC.1.E.6.2 (Need for Water and Water Safety)	Water Safety Book
	4	Big Idea #5 Earth Structures SC.1.E.6.2 (Need for Water and Water Safety)	Bobber the Water Safety Dog: Life Jackets
	5	Big Idea #6 Earth Structures SC.1.E.6.1 (Earth's surface)	Earth Systems Cards
	6	Big Idea #6 Earth Structures SC.1.E.6.1 (Earth's surface)	It's All Natural! A Materials Scavenger Hunt
	7	Big Idea #6 Earth Structures SC.1.E.6.3 (Earth changes- fast or slow)	Fast and Slow Changes to the Earth's Surface
	8	Big Idea #6 Earth Structures SC.1.E.6.3 (Earth changes- fast or slow)	Hurricanes
	9	Big Idea #6 Earth Structures SC.1.E.6.3 (Earth changes- fast or slow)	Dirt Track
	Week	Major Concepts / Topics	Possible Resources
Quarter 3 Jan 8 – Mar 15	1	Big Idea # 14 Organization and Development of Living Organisms SC.1.L.14.3 (Living and Non-living)	Living and Non-living Things
	2	Big Idea # 14 Organization and Development of Living Organisms SC.1.L.14.1 (Observe living things)	Walking Stick
	3	Big Idea # 17 Interdependence SC.1.L.17.1 (Needs of living things)	What Do Animals Eat?
	4	Big Idea # 17 Interdependence SC.1.L.17.1 (Needs of living things)	
	5	Big Idea # 14 Organization and Development of Living Organisms SC. 1.L.14.2 (Parts of a Plant)	Growing Plants
	6	Big Idea # 14 Organization and Development of Living Organisms SC. 1.L.14.2 (Parts of a Plant)	
	7	Big Idea #16 Heredity and Reproduction SC. 1.L.16.1 (Plants and Animals Resemble their Parents)	Matching Parents with Offspring
	8	Big Idea #16 Heredity and Reproduction SC. 1.L.16.1 (Plants and Animals Resemble their Parents)	Watch it Grow
	9	Big Idea #16 Heredity and Reproduction SC. 1.L.16.1 (Plants and Animals Resemble their Parents)	Growing Sunflower Sprouts

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.

1st Grade Science Public Year-at-a-Glance

2017 – 2018

	Week	Major Concepts / Topics	Possible Resources
Quarter 4 Mar 19 – May 24	1	Big Idea # 14 Organization and Development of Living Organisms SC. 1.L.14.2 (Parts of a Plant) Big Idea #16 Heredity and Reproduction SC. 1.L.16.1 (Plants and Animals Resemble their Parents)	Who do I belong to? Webquest
	2	Big Idea # 14 Organization and Development of Living Organisms SC. 1.L.14.2 (Parts of a Plant) Big Idea #16 Heredity and Reproduction SC. 1.L.16.1 (Plants and Animals Resemble their Parents)	
	3	Big Idea # 14 Organization and Development of Living Organisms SC. 1.L.14.2 (Parts of a Plant) Big Idea #16 Heredity and Reproduction SC. 1.L.16.1 (Plants and Animals Resemble their Parents)	
	4	Big Idea #12 Motion of Objects SC.1.L.12.1 (Ways Objects Move)	How Things Fall
	5	Big Idea #12 Motion of Objects SC.1.L.12.1 (Ways Objects Move)	
	6	Big Idea #12 Motion of Objects SC.1.L.12.1 (Ways Objects Move)	How Things Move
	7	Big Idea #13 Forces and Changes in Motion SC.1.L.13.1 (Push/Pull)	Forces and Motion
	8	Big Idea #13 Forces and Changes in Motion SC.1.L.13.1 (Push/Pull)	Push or a Pull
	9	Big Idea #13 Forces and Changes in Motion SC.1.L.13.1 (Push/Pull)	Pushes and Pulls Game

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.