


# 4<sup>th</sup> Grade Science Public Year-at-a-Glance

2017 – 2018

		Major Concepts / Topics	Possible Resources
Standards Taught all year	Nature of Science	<b>Big Idea #1 – The Practice of Science</b>  <b>Big Idea #2 – The Characteristics of Scientific Knowledge</b>  <b>Big Idea #3 – The Role of Theories, Laws, Hypothesis and Models</b> <a href="#">SC.4.N.1.1</a> , <a href="#">SC.4.N.1.2</a> , <a href="#">SC.4.N.1.3</a> , <a href="#">SC.4.N.1.4</a> , <a href="#">SC.4.N.1.5</a> , <a href="#">SC.4.N.1.6</a> , <a href="#">SC.4.N.1.7</a> , <a href="#">SC.4.N.1.8</a> , <a href="#">SC.4.N.2.1</a> , <a href="#">SC.4.N.3.1</a>	<a href="#">Scientific Method</a>  <a href="#">Practice of Science- Experiment Video</a>   Example Questions.pdf
		Major Concepts / Topics	Possible Resources
<b>Quarter 1</b> Aug 10 – Oct 14	Week		
	1	<b>Big Idea #5- Earth in Space and Time</b> <a href="#">SC.4.E.5.1</a>	<a href="#">Different stars can be seen in different seasons</a>
	2	<b>Big Idea #5- Earth in Space and Time</b> <a href="#">SC.4.E.5.2</a> , <a href="#">SC.4.E.5.3</a>	<a href="#">Phases of the Moon Animation</a>  <a href="#">Lunar Cycle Challenge</a>
	3	<b>Big Idea #5- Earth in Space and Time</b> <a href="#">SC.4.E.5.4</a> , <a href="#">SC.4.E.5.5</a>	<a href="#">How are the rotation of Earth, Sun, Moon, Stars connected?</a>
	4	<b>Big Idea #6- Earth Structures</b> <a href="#">SC.4.E.6.1</a>	
	5	<b>Big Idea #6- Earth Structures</b> <a href="#">SC.4.E.6.2</a>	<a href="#">Name that Mineral</a> <a href="#">The Dynamic Earth</a>
	6	<b>Big Idea #6- Earth Structures</b> <a href="#">SC.4.E.6.3</a>	
	7	<b>Big Idea #6- Earth Structures</b> <a href="#">SC.4.E.6.4</a>	<a href="#">Technology tools help us observe very small and very large things.</a>
	8	<b>Big Idea #6- Earth Structures</b> <a href="#">SC.4.E.6.5</a>	
9	<b>Big Idea #6- Earth Structures</b> <a href="#">SC.4.E.6.6</a>		
Quarter 2	Week	Major Concepts / Topics	Possible Resources

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Oct 18 – Dec 21	1	<b>Big Idea #8- Properties of Matter</b> <a href="#">SC.4.P.8.1</a>	<a href="#">Florida Students – Materials Characteristics</a>
	2	<b>Big Idea #8- Properties of Matter</b> <a href="#">SC.4.P.8.1</a>	
	3	<b>Big Idea #8- Properties of Matter</b> <a href="#">SC.4.P.8.2</a>	
	4	<b>Big Idea #8- Properties of Matter</b> <a href="#">SC.4.P.8.2</a>	<a href="#">Properties of Matter Song</a>
	5	<b>Big Idea #8- Properties of Matter</b> <a href="#">SC.4.P.8.3</a>	<a href="#">Properties of Matter</a>
	6	<b>Big Idea #8- Properties of Matter</b> <a href="#">SC.4.P.8.3</a>	<a href="#">Solids, Liquids and Gases</a>
	7	<b>Big Idea #8- Properties of Matter</b> <a href="#">SC.4.P.8.4</a>	<a href="#">Properties of Rocks</a>
	8	<b>Big Idea #9- Changes in Matter</b> <a href="#">SC.4.P.9.1</a>	
	9	<b>Big Idea #9- Changes in Matter</b> <a href="#">SC.4.P.9.1</a>	
Quarter 3 Jan 5 – Mar 10	<b>Week</b>	<b>Major Concepts / Topics</b>	<b>Possible Resources</b>
	1	<b>Big Idea #10- Forms of Energy</b> <a href="#">SC.4.P.10.1</a> <a href="#">SC.4.P.10.2</a>	<a href="#">Forms of Energy video</a>
	2	<b>Big Idea #10- Forms of Energy</b> <a href="#">SC.4.P.10.2</a> <a href="#">SC.4.P.10.3</a>	<a href="#">Pitch</a> Florida Students
	3	<b>Big Idea #10- Forms of Energy</b> <a href="#">SC.4.P.10.3</a> <a href="#">SC.4.P.10.4</a>	<a href="#">Changing Sounds</a> Florida Students <a href="#">Steve Spangler Heat Transfer</a>
	4	<b>Big Idea #11- Energy Transfer and Transformations</b> <a href="#">SC.4.P.11.1</a>	<a href="#">Force and Motion</a> Study Jams
	5	<b>Big Idea #11- Energy Transfer and Transformations</b> <a href="#">SC.4.P.11.1</a> <a href="#">SC.4.P.11.2</a>	
	6	<b>Big Idea #11- Energy Transfer and Transformations</b> <a href="#">SC.4.P.11.2</a>	
	7	<b>Big Idea #12- Motion of Objects</b> <a href="#">SC.4.P.12.1</a>	

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	8	<b>Big Idea #12- Motion of Objects</b> <a href="#">SC.4.P.12.1</a> <a href="#">SC.4.P.12.2</a>	
	9	<b>Big Idea #12- Motion of Objects</b> <a href="#">SC.4.P.12.2</a>	
<b>Quarter 4</b> Mar 21 – May 24	<b>Week</b>	<b>Major Concepts / Topics</b>	<b>Possible Resources</b>
	1	<b>Big Idea #16- Heredity and Reproduction</b> <a href="#">SC.4.L.16.1</a>	<a href="#">Plants with Seeds</a> (Study Jams)
	2	<b>Big Idea #16- Heredity and Reproduction</b> <a href="#">SC.4.L.16.1</a>	<a href="#">Animal Adaptations</a> (Study Jams)
	3	<b>Big Idea #16- Heredity and Reproduction</b> <a href="#">SC.4.L.16.2</a>	<a href="#">Plant Adaptations</a> (Study Jams)
	4	<b>Big Idea #16- Heredity and Reproduction</b> <a href="#">SC.4.L.16.3</a>	
	5	<b>Big Idea #16-Heredity and Reproduction</b> <a href="#">SC.4.L.16.4</a>	<a href="#">Animal Life Cycles</a> (Study Jams)
	6	<b>Big Idea #17-Interdependence</b> <a href="#">SC.4.L.17.1</a>	
	7	<b>Big Idea #17- Interdependence</b> <a href="#">SC.4.L.17.2</a>	
	8	<b>Big Idea #17- Interdependence</b> <a href="#">SC.4.L.17.3</a>	
	9	<b>Big Idea #17- Interdependence</b> <a href="#">SC.4.L.17.4</a>	

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