


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

2016 – 2017

Standards visited all year	Nature of Science	Big Idea #1- Scientific Thinking <a href="#">SC.5.N.1.1</a> , <a href="#">SC.5.N.1.2</a> , <a href="#">SC.5.N.1.3</a> , <a href="#">SC.5.N.1.4</a> , <a href="#">SC.5.N.1.5</a> , <a href="#">SC.5.N.1.6</a>	 Example Questions.pdf
		Big Idea # 2- The Characteristics of Scientific Knowledge <a href="#">SC.5.N.2.1</a> , <a href="#">SC.5.N.2.2</a>	
Quarter 1 Aug 10 – Oct 14	Week	Major Concepts / Topics	Possible Resources
	1	<b>Big Idea #8- The Properties of Matter</b> <a href="#">SC.5.P.8.1</a> , <a href="#">SC.5.P.8.2</a> , <a href="#">SC.5.P.8.3</a> , <a href="#">SC.5.P.8.4</a> ( <a href="#">SC.5.N.1.1</a> , <a href="#">SC.5.N.1.2</a> )	<a href="#">How Do We Do Science?</a>
	2	<b>Big Idea #8- The Properties of Matter</b> <a href="#">SC.5.P.8.1</a> , <a href="#">SC.5.P.8.2</a> , <a href="#">SC.5.P.8.3</a> , <a href="#">SC.5.P.8.4</a> ( <a href="#">SC.5.N.1.3</a> , <a href="#">SC.5.N.1.4</a> )	<a href="#">Skin Cancer Investigation</a>
	3	<b>Big Idea #8- The Properties of Matter</b> <a href="#">SC.5.P.8.1</a> , <a href="#">SC.5.P.8.2</a> , <a href="#">SC.5.P.8.3</a> , <a href="#">SC.5.P.8.4</a> ( <a href="#">SC.5.N.1.5</a> , <a href="#">SC.5.N.1.6</a> )	<a href="#">Let's Investigate</a>
	4	<b>Big Idea #9- Changes in Matter</b> <a href="#">SC.5.P.9.1</a> ( <a href="#">SC.5.N.2.1</a> , <a href="#">SC.5.N.2.2</a> )	<a href="#">Density</a> <a href="#">Marvelous Mixtures</a>
	5	<b>Big Idea #9- Changes in Matter</b> <a href="#">SC.5.P.9.1</a> ( <a href="#">SC.5.N.2.1</a> , <a href="#">SC.5.N.2.2</a> )	<a href="#">Reversible and Irreversible Changes</a>
	6	<b>Big Idea #13- Forces and Changes in Motion</b> <a href="#">SC.5.P.13.1</a> , <a href="#">SC.5.P.13.2</a> , <a href="#">SC.5.P.13.3</a> , <a href="#">SC.5.P.13.4</a>	<a href="#">Balance Challenge Forces</a> <a href="#">Explore the Forces</a>
	7	<b>Big Idea #13- Forces and Changes in Motion</b> <a href="#">SC.5.P.13.1</a> , <a href="#">SC.5.P.13.2</a> , <a href="#">SC.5.P.13.3</a> , <a href="#">SC.5.P.13.4</a>	
	8	<b>Big Idea #13- Forces and Changes in Motion</b> <a href="#">SC.5.P.13.1</a> , <a href="#">SC.5.P.13.2</a> , <a href="#">SC.5.P.13.3</a> , <a href="#">SC.5.P.13.4</a>	
	9	<b>Big Idea #13- Forces and Changes in Motion</b> <a href="#">SC.5.P.13.1</a> , <a href="#">SC.5.P.13.2</a> , <a href="#">SC.5.P.13.3</a> , <a href="#">SC.5.P.13.4</a>	
Quarter 2 Oct 18 – Dec 11	Week	Major Concepts / Topics	Possible Resources
	1	<b>Big Idea #10- Forms of Energy</b> <a href="#">SC.5.P.10.1</a> , <a href="#">SC.5.P.10.2</a> , <a href="#">SC.5.P.10.3</a> , <a href="#">SC.5.P.10.4</a>	<a href="#">Energy Story</a> <a href="#">Testing for Static Electricity</a> <a href="#">Static Electricity</a>
	2	<b>Big Idea #10- Forms of Energy</b> <a href="#">SC.5.P.10.1</a> , <a href="#">SC.5.P.10.2</a> , <a href="#">SC.5.P.10.3</a> , <a href="#">SC.5.P.10.4</a>	
	3	<b>Big Idea #10- Forms of Energy</b> <a href="#">SC.5.P.10.1</a> , <a href="#">SC.5.P.10.2</a> , <a href="#">SC.5.P.10.3</a> , <a href="#">SC.5.P.10.4</a>	
	4	<b>Big Idea #10- Forms of Energy</b> <a href="#">SC.5.P.10.1</a> , <a href="#">SC.5.P.10.2</a> , <a href="#">SC.5.P.10.3</a> , <a href="#">SC.5.P.10.4</a>	
5	<b>Big Idea #10- Forms of Energy</b> <a href="#">SC.5.P.10.1</a> , <a href="#">SC.5.P.10.2</a> , <a href="#">SC.5.P.10.3</a> , <a href="#">SC.5.P.10.4</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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	6	<b>Big Idea # 11- Energy Transfer and Transformations</b> <a href="#">SC.5.P.11.1</a> , <a href="#">SC.5.P.11.2</a>	<a href="#">Experiment: How to Make a Simple Circuit</a> <a href="#">Changing Circuits</a>
	7	<b>Big Idea # 11- Energy Transfer and Transformations</b> <a href="#">SC.5.P.11.1</a> , <a href="#">SC.5.P.11.2</a>	
	8	<b>Big Idea # 11- Energy Transfer and Transformations</b> <a href="#">SC.5.P.11.1</a> , <a href="#">SC.5.P.11.2</a>	
	9	<b>Big Idea # 11- Energy Transfer and Transformations</b> <a href="#">SC.5.P.11.1</a> , <a href="#">SC.5.P.11.2</a>	
	<b>Week</b>	<b>Major Concepts / Topics</b>	<b>Possible Resources</b>
<b>Quarter 3</b> Jan 5 – Mar 10	1	<b>Big Idea #5- Earth and Space</b> <a href="#">SC.5.E.5.1</a> , <a href="#">SC.5.E.5.2</a> , <a href="#">SC.5.E.5.3</a>	<a href="#">Solar System Exploration</a> <a href="#">The Solar System</a>
	2	<b>Big Idea #5- Earth and Space</b> <a href="#">SC.5.E.5.1</a> , <a href="#">SC.5.E.5.2</a> , <a href="#">SC.5.E.5.3</a>	<a href="#">Video: From the Earth to the Moon</a> <a href="#">Video: Meteor Showers</a>
	3	<b>Big Idea #5- Earth and Space</b> <a href="#">SC.5.E.5.1</a> , <a href="#">SC.5.E.5.2</a> , <a href="#">SC.5.E.5.3</a>	
	4	<b>Big Idea #7- Earth Systems and Patterns (Water Cycle, Weather, Precipitation)</b> <a href="#">SC.5.E.7.1</a> , <a href="#">SC.5.E.7.2</a> , <a href="#">SC.5.E.7.3</a> , <a href="#">SC.5.E.7.4</a> , <a href="#">SC.5.E.7.5</a> , <a href="#">SC.5.E.7.6</a> , <a href="#">SC.5.E.7.7</a>	<a href="#">The Treehouse Weather Kids</a> <a href="#">Video: Kid Meteorologist</a>
	5	<b>Big Idea #7- Earth Systems and Patterns (Water Cycle, Weather, Precipitation)</b> <a href="#">SC.5.E.7.1</a> , <a href="#">SC.5.E.7.2</a> , <a href="#">SC.5.E.7.3</a> , <a href="#">SC.5.E.7.4</a> , <a href="#">SC.5.E.7.5</a> , <a href="#">SC.5.E.7.6</a> , <a href="#">SC.5.E.7.7</a>	<a href="#">The Water Cycle</a> <a href="#">Weather</a>
	6	<b>Big Idea #7- Earth Systems and Patterns (Water Cycle, Weather, Precipitation)</b> <a href="#">SC.5.E.7.1</a> , <a href="#">SC.5.E.7.2</a> , <a href="#">SC.5.E.7.3</a> , <a href="#">SC.5.E.7.4</a> , <a href="#">SC.5.E.7.5</a> , <a href="#">SC.5.E.7.6</a> , <a href="#">SC.5.E.7.7</a>	
	7	<b>Big Idea #7- Earth Systems and Patterns (Water Cycle, Weather, Precipitation)</b> <a href="#">SC.5.E.7.1</a> , <a href="#">SC.5.E.7.2</a> , <a href="#">SC.5.E.7.3</a> , <a href="#">SC.5.E.7.4</a> , <a href="#">SC.5.E.7.5</a> , <a href="#">SC.5.E.7.6</a> , <a href="#">SC.5.E.7.7</a>	
	8	<b>Big Idea # 15 &amp; #17- Diversity and Evolution of Living Organisms/Interdependence (Plants and Animals Survival and Adaptations)</b> <a href="#">SC.5.L.15.1</a> , <a href="#">SC.5.L.17.1</a>	<a href="#">Animal Adaptations</a>
	9	<b>Big Idea # 15 &amp; #17- Diversity and Evolution of Living Organisms/Interdependence (Plants and Animals Survival and Adaptations)</b> <a href="#">SC.5.L.15.1</a> , <a href="#">SC.5.L.17.1</a>	
	<b>Week</b>	<b>Major Concepts / Topics</b>	<b>Possible Resources</b>
<b>Quarter 4</b> Mar 21 – May 24	1	<b>Big Idea #14- Organization and Development of Living Organisms (Organs of Human Body)</b> <a href="#">SC.5.L.14.1</a> , <a href="#">SC.5.L.14.2</a>	<a href="#">Your Heart is an Amazing Organ</a> <a href="#">Human Body Organs</a> <a href="#">Human Body Organs</a>

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(STEM Fair Project school representatives: Due by April 28 <sup>th</sup> )	2	<b>Big Idea #14- Organization and Development of Living Organisms (Organs of Human Body)</b> <a href="#">SC.5.L.14.1</a> , <a href="#">SC.5.L.14.2</a>
	3	<b>All other standards revisited and reassessed</b>
	4	<b>All other standards revisited and reassessed</b>
	5	<b>All other standards revisited and reassessed</b>
	6	<b>All other standards revisited and reassessed</b>
(May 1 - May 5: SSA Science Testing Window)	7	<b>All other standards revisited and reassessed</b>
	8	<b>All other standards revisited and reassessed</b>
	9	<b>All other standards revisited and reassessed</b>

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