


5th Grade Science Public Year-at-a-Glance

2017 – 2018

Standards visited all year	Nature of Science	Big Idea #1- Scientific Thinking SC.5.N.1.1 , SC.5.N.1.2 , SC.5.N.1.3 , SC.5.N.1.4 , SC.5.N.1.5 , SC.5.N.1.6	 Example Questions.pdf
		Big Idea # 2- The Characteristics of Scientific Knowledge SC.5.N.2.1 , SC.5.N.2.2	
Quarter 1 Aug 10 – Oct 13	Week	Major Concepts / Topics	Possible Resources
	1	Big Idea #8- The Properties of Matter SC.5.P.8.1 , SC.5.P.8.2 , SC.5.P.8.3 , SC.5.P.8.4 (SC.5.N.1.1 , SC.5.N.1.2)	How Do We Do Science?
	2	Big Idea #8- The Properties of Matter SC.5.P.8.1 , SC.5.P.8.2 , SC.5.P.8.3 , SC.5.P.8.4 (SC.5.N.1.3 , SC.5.N.1.4)	Skin Cancer Investigation
	3	Big Idea #8- The Properties of Matter SC.5.P.8.1 , SC.5.P.8.2 , SC.5.P.8.3 , SC.5.P.8.4 (SC.5.N.1.5 , SC.5.N.1.6)	Let's Investigate
	4	Big Idea #9- Changes in Matter SC.5.P.9.1 (SC.5.N.2.1 , SC.5.N.2.2)	Density Marvelous Mixtures
	5	Big Idea #9- Changes in Matter SC.5.P.9.1 (SC.5.N.2.1 , SC.5.N.2.2)	Reversible and Irreversible Changes
	6	Big Idea #13- Forces and Changes in Motion SC.5.P.13.1 , SC.5.P.13.2 , SC.5.P.13.3 , SC.5.P.13.4	Balance Challenge Forces Explore the Forces
	7	Big Idea #13- Forces and Changes in Motion SC.5.P.13.1 , SC.5.P.13.2 , SC.5.P.13.3 , SC.5.P.13.4	
	8	Big Idea #13- Forces and Changes in Motion SC.5.P.13.1 , SC.5.P.13.2 , SC.5.P.13.3 , SC.5.P.13.4	
	9	Big Idea #13- Forces and Changes in Motion SC.5.P.13.1 , SC.5.P.13.2 , SC.5.P.13.3 , SC.5.P.13.4	
Quarter 2 Oct 17 – Dec 21	Week	Major Concepts / Topics	Possible Resources
	1	Big Idea #10- Forms of Energy SC.5.P.10.1 , SC.5.P.10.2 , SC.5.P.10.3 , SC.5.P.10.4	Testing for Static Electricity
	2	Big Idea #10- Forms of Energy SC.5.P.10.1 , SC.5.P.10.2 , SC.5.P.10.3 , SC.5.P.10.4	Static Electricity
	3	Big Idea #10- Forms of Energy SC.5.P.10.1 , SC.5.P.10.2 , SC.5.P.10.3 , SC.5.P.10.4	
	4	Big Idea #10- Forms of Energy SC.5.P.10.1 , SC.5.P.10.2 , SC.5.P.10.3 , SC.5.P.10.4	

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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	5	Big Idea #10- Forms of Energy SC.5.P.10.1 , SC.5.P.10.2 , SC.5.P.10.3 , SC.5.P.10.4	
	6	Big Idea # 11- Energy Transfer and Transformations SC.5.P.11.1 , SC.5.P.11.2	Experiment: How to Make a Simple Circuit Changing Circuits
	7	Big Idea # 11- Energy Transfer and Transformations SC.5.P.11.1 , SC.5.P.11.2	
	8	Big Idea # 11- Energy Transfer and Transformations SC.5.P.11.1 , SC.5.P.11.2	
	9	Big Idea # 11- Energy Transfer and Transformations SC.5.P.11.1 , SC.5.P.11.2	
	Week	Major Concepts / Topics	Possible Resources
Quarter 3 Jan 8 – Mar 15	1	Big Idea #5- Earth and Space SC.5.E.5.1 , SC.5.E.5.2 , SC.5.E.5.3	Solar System Exploration The Solar System
	2	Big Idea #5- Earth and Space SC.5.E.5.1 , SC.5.E.5.2 , SC.5.E.5.3	Video: From the Earth to the Moon Video: Meteor Showers
	3	Big Idea #5- Earth and Space SC.5.E.5.1 , SC.5.E.5.2 , SC.5.E.5.3	
	4	Big Idea #7- Earth Systems and Patterns (Water Cycle, Weather, Precipitation) SC.5.E.7.1 , SC.5.E.7.2 , SC.5.E.7.3 , SC.5.E.7.4 , SC.5.E.7.5 , SC.5.E.7.6 , SC.5.E.7.7	The Treehouse Weather Kids Video: Kid Meteorologist
	5	Big Idea #7- Earth Systems and Patterns (Water Cycle, Weather, Precipitation) SC.5.E.7.1 , SC.5.E.7.2 , SC.5.E.7.3 , SC.5.E.7.4 , SC.5.E.7.5 , SC.5.E.7.6 , SC.5.E.7.7	The Water Cycle
	6	Big Idea #7- Earth Systems and Patterns (Water Cycle, Weather, Precipitation) SC.5.E.7.1 , SC.5.E.7.2 , SC.5.E.7.3 , SC.5.E.7.4 , SC.5.E.7.5 , SC.5.E.7.6 , SC.5.E.7.7	
	7	Big Idea #7- Earth Systems and Patterns (Water Cycle, Weather, Precipitation) SC.5.E.7.1 , SC.5.E.7.2 , SC.5.E.7.3 , SC.5.E.7.4 , SC.5.E.7.5 , SC.5.E.7.6 , SC.5.E.7.7	
	8	Big Idea # 15 & #17- Diversity and Evolution of Living Organisms/Interdependence (Plants and Animals Survival and Adaptations) SC.5.L.15.1 , SC.5.L.17.1	Animal Adaptations
	9	Big Idea # 15 & #17- Diversity and Evolution of Living Organisms/Interdependence (Plants and Animals Survival and Adaptations) SC.5.L.15.1 , SC.5.L.17.1	
Quarter 4 Mar 19 – May 24	Week	Major Concepts / Topics	Possible Resources
	1	Big Idea #14- Organization and Development of Living Organisms (Organs of Human Body)	Your Heart is an Amazing Organ Human Body Organs

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(STEM Fair Project school representatives: Due by April 20 th) (April 9 - May 4: SSA Science Testing Window)		SC.5.L.14.1 , SC.5.L.14.2	Human Body Organs
	2	Big Idea #14- Organization and Development of Living Organisms (Organs of Human Body) SC.5.L.14.1 , SC.5.L.14.2	
	3	All other standards revisited and reassessed	
	4	All other standards revisited and reassessed	
	5	All other standards revisited and reassessed	
	6	All other standards revisited and reassessed	
	7	All other standards revisited and reassessed	
	8	All other standards revisited and reassessed	
	9	All other standards revisited and reassessed	

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