

Year at A Glance: 8th Grade Science

2015 – 2016

Quarter 1 Aug 10 – Oct 16	Week	Major Concepts / Topics	Possible Resources
	1	Beginning Science skills including Lab safety, review of lab equipment and lab practices.	Cpalms. Org for all topics. Florida Student.org: all topics
	2-5	SC.8.N.1.1-1.6, 2.2 : The Nature and Processes of Science	
	6-7	SC.8.P. 8.1, 8.7, 3.1, 3.2: Scientific theory of atoms, atomic parts, matter, scientific models.	
	8-9	SC.8.P.8.2-8.4, 9.2: Physical/Chemical Properties of Matter	
Quarter 2 Oct 20 – Dec 18	Week	Major Concepts / Topics	Possible Resources
	1-4	SC.8.P.8.5-6: Periodic table elements, writing/naming Chemical Compounds.	Bozemanscience: Properties of Matter, Atoms & the Periodic Table, Chemical bonds. Phet.com: pH Scale: Basics
	5-7	SC.8.P.8.8-9: Classifying chemical compounds, solutions.	
	8-9	SC.8.P.9.2-3: Physical and Chemical changes and factors that influence them.	
Quarter 3 Jan 6 – Mar 17	Week	Major Concepts / Topics	Possible Resources
	1-4	SC.8.L.18.1-4, SC.8.P.9.1: Photosynthesis, Cellular Respiration	Bozemanscience: Photosynthesis, Cellular Respiration.
	5-6.5	SC.8.E.5.1-5.3: The universe, astronomical bodies.	
	6.5-8	SC.8.E.5.4, 5.5, SC 8.P. 8.2: Gravitational forces, properties of our stars.	
	8-9	SC.8.E5.6: Solar Properties	
Quarter 4 Mar 29 – May 26	Week	Major Concepts / Topics	Possible Resources
	1	Revisit Scientific Method Standards	
	2-3	SC.8.E.5.7-5.8: Properties of objects in the Solar System	
	4-5	SC.8.E.5.9: Moon phases, tides, eclipses.	

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 is best answered by the individual teacher.

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	6	FCAT review
	7-9	SC.8.E.5.10-11: Technological applications in space