

# Year at A Glance: 8<sup>th</sup> Grade Science

2020-21

	Week	Major Concepts / Topics	Possible Resources
Quarter 1	1	Beginning Science skills including Lab safety, review of lab equipment and lab practices.	<b>Cpalms. Org</b> & Florida Student.Org for 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	
	Week	Major Concepts / Topics	Possible Resources
Quarter 2	1-4	SC.8.P.8.5-6: Periodic table elements, writing/naming Chemical Compounds.	<b>Bozemanscience:</b> Properties of Matter, Atoms & the PTE, Chemical bonds. <b>Phet.com:</b> pH Scale
	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.	
	Week	Major Concepts / Topics	Possible Resources
Quarter 3	1-4	SC.8.L.18.1-4, SC.8.P.9.1: Photosynthesis, Cellular Respiration	<b>Bozemanscience:</b> 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	
	Week	Major Concepts / Topics	Possible Resources
Quarter 4	1	Revisit Scientific Method Standards including analysis of charts/data/graphs.	
	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.	
	6-7	SSA review	
	8-9	SC.8.E.5.10-11: Technological applications in space	

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.

