

Year at A Glance: 7th Grade Science

2019-2020

	Week	Major Concepts / Topics	Possible Resources
Quarter 1	1	Beginning Science skills including Lab safety, review of lab equipment and lab practices.	Bozemanscience.com: Scientific Method Phet.colorado.edu: Energy Forms/ Changes Cpalms. Org for all topics
	2-4.5	SC.7.N.1.1-N.1.6, N.3.1,3.2: Nature of Science/Laws Theories	
	4.5-9	SC.7.P.11.1-11.4: Energy transformations/conservation of energy, flow of heat & changes associated with heat flow.	
	Week	Major Concepts / Topics	Possible Resources
Quarter 2	1-2	SC.7.P.10.1, N.3.2: Wave properties/electromagnetic spectrum	You Tube: The electromagnetic spectrum: http://www.youtube.com/watch?v=kfS5Qn0wn2o
	3-5	SC.7.P.10.2/10.3: Wave movement, Light behavior.	
	6-9	SC.7.E.6.Earth's layers/rock cycle and surface/subsurface events.	
	Week	Major Concepts / Topics	Possible Resources
Quarter 3	1-3.5	SC.7.E.6.5/7: Plate tectonics/Continental Drift	Model of Earth's Layers: http://www.scec.org/education/k12/learn/Plate Tectonics to Structure of the Earth Phet.colorado.edu: Plate Tectonics Amoeba Sisters, You tube: DNA
	3.5-5	SC.7.E.6.4/6.3: Earth's age and evidence that supports geological change	
	5-9	SC.7.L.6.1-16.4: DNA/heredity/genetics/mitosis/meiosis	
	Week	Major Concepts / Topics	Possible Resources
Quarter 4	1-4	SC.7.L.15.1, 2, 3: Evolution	Bozemanscience.com: Behavior/Natural Selection Bozemanscience.com: Speciation & Extinction
	5-9	SC.7.L.17.1-3: Ecosystems/Interactions within	

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.