

## Year at A Glance: Advanced 7<sup>th</sup> Grade Science 2020-21

	<b>Week</b>	<b>Major Concepts / Topics</b>	<b>Possible Resources</b>
Quarter 1	1	Beginning Science skills including Lab safety, review of lab equipment and lab practices.	<b>Bozemanscience.com:</b> Scientific Method <b>Phet.colorado.edu:</b> Energy Forms/ Changes <b>Cpalms. Org &amp; Floridastudent.org:</b> 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, SC.912.P.10.1, 10.5: Energy transformations/conservation of energy, flow of heat & changes associated with heat flow.	
	<b>Week</b>	<b>Major Concepts / Topics</b>	<b>Possible Resources</b>
Quarter 2	1-2	SC.7.P.10.1, N.3.2: Wave properties/electromagnetic spectrum	<b>You Tube:</b> The electromagnetic spectrum: <a href="http://www.youtube.com/watch?v=kfS5Qn0wn2o">http://www.youtube.com/watch?v=kfS5Qn0wn2o</a>
	3-5	SC.7.P.10.2/10.3: Wave movement, Light behavior.	
	6-9	SC.7.E.6, SC.912.E.6.1, 6.2.Earth's layers/rock cycle and surface/subsurface events.	
	<b>Week</b>	<b>Major Concepts / Topics</b>	<b>Possible Resources</b>
Quarter 3	1-3.5	SC.7.E.6.5/7, SC.912.E.6.3: Plate tectonics/Continental Drift	<b>Phet.colorado.edu:</b> Plate Tectonics <b>Amoeba Sisters,</b> 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, SC.912.L.16.2, 16.16: DNA/heredity/genetics/mitosis/meiosis	
	<b>Week</b>	<b>Major Concepts / Topics</b>	<b>Possible Resources</b>
Quarter 4	1-5	SC.7.L.17.1-3, SC.912.L.17.6: Ecosystems/Interactions within	<b>Bozemanscience.com:</b> Behavior/Natural Selection <b>Bozemanscience.com:</b> Speciation & Extinction
	5-9	SC.912.L.15.6, 17.9: Distinguishing characteristics of domains/kingdoms SC.7.L.15.1-3, SC.912.L.15.13: Evolution/Natural Selection/Review for Final Exam.	

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.