

	Week	Major Concepts / Topics	Possible Resources
Quarter 1	1-2	SC.912.N.1.1-1.7, SC.912.N.2.4: Beginning Science skills including lab safety, calculator use, investigation variables, graphing skills, beginning math skills	<b>Cpalms. Org</b> <b>Florida Student.org</b> <b>Bozemanscience.com</b> <b>Tyler DeWitt (You Tube):</b>
	3-4.5	SC.912.P.8.1 and 8.2, P.12.11, P.10.51, P.10.5: states of matter, phase changes, temperature's relationship to average kinetic energy.	
	4.5-9	SC.912.P.8.2-8.4: Physical/chemical properties and changes, Atomic Theory, structure of atoms, dimensional analysis.	
	Week	Major Concepts / Topics	Possible Resources
Quarter 2	1-3	SC.912.P.10.18, 10.9: energy quantization, electromagnetic spectrum, electron configurations, orbital diagrams.	<b>Bozemanscience.com:</b> Chemical Bonds, Naming Compounds.
	5-9	SC.912.P.8.7, 8.6, 8.5, SC.912.L.18.12: Properties of water, Ion formation, covalent and ionic bonding, writing and naming chemical formulas. Includes time for semester review.	
	Week	Major Concepts / Topics	Possible Resources
Quarter 3	1-4	SC.912.L.12.12,12.13, SC.912.P.8.8: Writing & balancing chemical equations, Solutions, characterizing reaction types.	<b>Bozemanscience.com:</b> Factor Label Method.
	5-9	SC.912.P.8.9: Stoichiometry including empirical and molecular formulas, percent yield, calculations for grams, moles, particles.	
	Week	Major Concepts / Topics	Possible Resources
Quarter 4	1-2	SC.912.P.12.12, 12.13 : Reaction rates, energy of reaction.	<b>Bozemanscience.com</b>
	3-5	SC.912.P.12.10: Gas Laws	
	5-6	SC.912.P.8.11: Acids and Bases	
	7-9	SC.912.P. 10.12: Nuclear Reactions, Review for Final Exam.	