Year At a Glance: Biology 2015 – 2016

	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 16	1-2	SC.912.N.1.1-1.3, 1.4, 1.6, 2.1, 2.2, 3.1, 3.4: Beginning Science skills, Nature/Practice of Science	**Cpalms. Org** for all topics. **Florida Student.org**: all topics **Bozemanscience:** Biological Molecules, Carbohydrates, Lipids, Nucleic Acids, Proteins, Water & Life, Water A Polar Molecule.
	3-5	SC.912.L.18.1, 18.11, 18.12: Macromolecules/enzymes/water properties	
	6-9	SC.912.L.14.1-4: Cells	
Quarter 2 Oct 20 – Dec 18	**Week**	**Major Concepts / Topics**	**Possible Resources**
	1-2.5	SC.912.L.16.3-16.5, 16.9, L.15.15: DNA/Protein Synthesis	**Bozeman Science:** Cell Cycle, Mitosis, Phases of Mitosis, Meiosis, Phases of Meiosis. **Bozeman Science:** DNA & RNA, What is DNA? Transcription & Translation, Genetics, Genotypes and Phenotypes.
	2.5-5	SC.912.L.16.14, 16.16, 16.17, 16.8: Cell Cycle/Meiosis	
	6-9	SC.912.L.16.1, 2, 14.6, HE.912.C.1.7/1.5: Genetics	
Quarter 3 Jan 6 – Mar 17	**Week**	**Major Concepts / Topics**	**Possible Resources**
	1-3.5	SC.912.L.15.8, 15.14, 15.1, 15.13, 15.10: Evolution	**Bozemanscience**: Evolution, Classification, Plants, Photosynthesis.
	3.5-5	SC.912.L.15.4-15.6: Classification	
	6-9	SC.912.L.14.7, 18.7-18.10: Plants	
Quarter 4 Mar 29 – May 26	**Week**	**Major Concepts / Topics**	**Possible Resources**
	1-5	SC.912.L.17.9, E.7.1, L.17.4, 17.2, 17.5, 17.11, 17.13, 17.20, 17.8: Ecology	**Bozemanscience:** Biotic & Abiotic Factors, Biogeochemical Cycling.
	6-8	SC.912.L.14.26, 14.36, 14.52, 16.13: Human Body	
	8-9	SC.912.L.16.10: Biotechnology	

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