

## Year At a Glance: Honors Biology 2019-2020

|           | Week  | Major Concepts / Topics  | Possible Resources   |
|-----------|-------|--|--|
| Quarter 1 | 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 | <b>Cpalms. Org</b> for all topics.<br><b>Florida Student.org:</b> all topics<br><b>Bozemanscience:</b> Biological Molecules, Carbohydrates, Lipids, Nucleic Acids, Proteins, Water & Life, Water A Polar Molecule. |
|           | 3-5   | SC.912.L.18.1, 18.11, 18.12, SC.912.L.18.2,18.3, 18.4: Macromolecules/enzymes/water properties       |  |
|           | 6-9   | SC.912.L.14.1-4: Cells   |  |
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| Quarter 2 | 1-2.5 | SC.912.L.16.3-16.5, 16.9, L.15.15: DNA/Protein Synthesis   | <b>Bozeman Science:</b> Cell Cycle, Mitosis, Phases of Mitosis, Meiosis, Phases of Meiosis.<br><b>Bozeman Science:</b> DNA & RNA, What is DNA? Transcription & Translation, Genetics, Genotypes and Phenotypes.    |
|           | 2.5-5 | SC.912.L.16.14, 16.15, 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   |  |
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| Quarter 3 | 1-3.5 | SC.912.L.15.8, 15.14, 15.1, 15.13, 15.10 SC.L.15.2, SC.912.L.15.3: Evolution                         | <b>Bozemanscience:</b> 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  |  |
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| Quarter 4 | 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                         | <b>Bozemanscience:</b> Biotic & Abiotic Factors, Biogeochemical Cycling.   |
|           | 6-8   | SC.912.L.14.26, 14.36, 14.52, 16.13, SC.912.L.14.27: Human Body                                      |  |
|           | 8-9   | SC.912.L.16.10, SC.912.L.16.12: Biotechnology  |  |

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.

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