

<b>Park City High School General Biology Syllabus</b>			
<b>Unit</b>	<b>Title</b>	<b>Topics</b>	<b>Date</b>
<b>One</b>	<b>Ecology</b>	<i>Biosphere, Ecosystem Principles, Community Interactions, Population Dynamics</i>	<b>1st Quarter</b>
<b>Two</b>	<b>Biochemistry</b>	<i>Basic Chemistry Principles, Water Chemistry and Properties, Macromolecular Structures and Functions</i>	<b>1st Quarter</b>
<b>Three</b>	<b>Cells</b>	<i>Membrane Structure and Function, Membrane Transport, Cellular Principles, Endomembrane system, Organelles</i>	<b>2nd Quarter</b>
<b>Four</b>	<b>Cellular Energetics</b>	<i>Basic Principles of Metabolism, Photosynthesis, Cellular Respiration</i>	<b>2nd Quarter</b>
<b>Five</b>	<b>Cellular Reproduction</b>	<i>Mitosis, Cancer, Meiosis, Principles of Inheritance</i>	<b>3rd Quarter</b>
<b>Six</b>	<b>Genetics</b>	<i>Principles of Inheritance, Patterns of Inheritance, Pedigrees, Genetic disorders, Biotechnology</i>	<b>3rd Quarter</b>
<b>Seven</b>	<b>Evolution</b>	<i>Principles and Mechanisms, Natural Selection, Artificial Selection, Speciation, Evidence, Classification old and new</i>	<b>4th Quarter</b>

*Footnotes:*

- 1. The exact timing of a unit's beginning and end is intentionally vague, flexibility is required to meet the demand the unique demands of each class and along with other outside scheduling issues.*
- 2. The principles of the scientific method(s) will be emphasized in the first unit but this topic will be covered throughout the year*
- 3. The depth and breadth of biotechnology and classification will depend on time constraints and student interest.*