

## Environmental Science - Year at a Glance

Course # 2001340

**A Note to Parents:** State standards require your child's science teacher to plan lessons that build knowledge of various scientific concepts, develop the ability to apply these concepts, and engage students in critical thinking. To achieve these goals, students will take part in a range of activities including reading, discussions, writing, lab activities and projects, and more. Safety is paramount in science labs and your child's teacher will ensure a safe learning environment.

### **What is the purpose of this course?**

- Students will explore living and non-living aspects of the Environment. Topics include biogeochemical cycles, energy, populations, resources, waste management, and human impact on our environment.

### **What will students be learning in this course?**

	<b>Topics</b>
Quarter 1	<ul style="list-style-type: none"><li>• The Nature of Science</li><li>• Biogeochemical Cycles</li><li>• Biotic and Abiotic components of aquatic and terrestrial systems</li></ul>
Quarter 2	<ul style="list-style-type: none"><li>• Food Webs</li><li>• Energy and Energy Transfer through Ecosystems</li><li>• Symbiosis</li><li>• Populations</li><li>• Natural Selection and Evolution</li></ul>
Quarter 3	<ul style="list-style-type: none"><li>• Human Populations</li><li>• Resources-renewable and nonrenewable</li><li>• Energy's impact on the environment</li><li>• Waste management</li></ul>
Quarter 4	<ul style="list-style-type: none"><li>• Factors that Contribute to Climate Change</li><li>• The Ocean's Impact on Climate</li><li>• Biodiversity Loss</li><li>• Human Impact</li></ul>

### **Possible Support Resources**

Amoeba Sisters for Biological Topics: <https://www.youtube.com/user/AmoebaSisters>

Student tutorials: <https://www.floridastudents.org/#29|0|0|0>

Bozeman Science videos: <http://www.bozemanscience.com/>

Schoology: the teacher's site will have assignment information.

*Courses are designed so that all standards will be learned by the end of the course. This guide represents a recommended timeline and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will be addressed in a specific course are best answered by the individual teacher.*