

## Anatomy and Physiology - Year at a Glance

Course # 2000350

**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 biological concepts relating to the physiology and anatomy of the human body. Topics include organic molecules, organs and tissues, and all of the systems of the body and how they work together to maintain the body's homeostasis.

### **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>• Organic Molecules</li><li>• Cell Cycle</li><li>• Tissues</li></ul>
Quarter 2	<ul style="list-style-type: none"><li>• Skeletal, Muscular, and Endocrine Systems</li></ul>
Quarter 3	<ul style="list-style-type: none"><li>• Nervous, Respiratory, and Digestive Systems</li></ul>
Quarter 4	<ul style="list-style-type: none"><li>• Excretory, Integumentary, Lymphatic, and Reproductive System</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.*