

## 6<sup>th</sup> Grade Science - Year at a Glance

M/J Comprehensive Science 1, Course # 2002040

**A Note to Parents:** The Florida state standards require that the science teacher 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. Safety is paramount in science labs and your child's teacher will ensure a safe learning environment.

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

- The purpose of this course is to provide opportunities to study concepts of the life, earth/space, and physical sciences, and their applications to everyday life.

### **What will Grade 6 students be learning?**

	<b>Topics</b>
Quarter 1	<ul style="list-style-type: none"><li>• The Nature of Sciences</li><li>• Forces: Different Types</li><li>• Distance/Time Graphing</li></ul>
Quarter 2	<ul style="list-style-type: none"><li>• Energy Transfer</li><li>• Interactions between Earth's Spheres</li><li>• Earth's Atmosphere</li><li>• Global Patterns in the Atmosphere and Ocean</li></ul>
Quarter 3	<ul style="list-style-type: none"><li>• Erosion and Deposition</li><li>• The Cell Theory</li><li>• Cell Types and Structure/Function of Organelles</li><li>• Homeostasis</li></ul>
Quarter 4	<ul style="list-style-type: none"><li>• Classification</li><li>• Functions of systems of the body</li><li>• Infectious Agents</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>

Simulations can be found at: <https://phet.colorado.edu/>

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

Videos: Study Jams- <https://studyjams.scholastic.com/studyjams/jams/science/index.htm>