

## Honors Physical Science - Year at a Glance

Course # 2003320

**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, projects, and more.

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

Students will explore physical science concepts. Topics include: kinematics, forces, energy, electricity, Chemistry and some life science topics. Students who complete this course will take a district end of course exam which comprises 10% of their semester 2 grade.

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

<b>Topics</b>	
Quarter 1	<ul style="list-style-type: none"><li>• The Nature of Science</li><li>• Newton's Laws</li><li>• Forces</li><li>• Energy</li></ul>
Quarter 2	<ul style="list-style-type: none"><li>• Energy transfer</li><li>• Heat and temperature</li><li>• Electricity</li></ul>
Quarter 3	<ul style="list-style-type: none"><li>• Matter</li><li>• The Periodic Table</li></ul>
Quarter 4	<ul style="list-style-type: none"><li>• Writing/naming chemical formulas</li><li>• Types of chemical reactions</li><li>• Biological Concepts</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.