

## **2026-2027 7th Grade Advanced/Cambridge Science - Year at a Glance**

M/J Comprehensive Science 2 Advanced, Course # 2002080

**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.

The best way to ensure your child's success is to work as a team that includes you, your child, and your child's teacher.

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

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

This course includes additional, rigorous standards from high school science courses.

### **What will Advanced Grade 7 students be learning?**

### **Topics**

#### **Quarter 1**

- The Nature and Practice of Science
- Forms of Energy
- Waves

#### **Quarter 2**

- Heat and Thermal Energy
- Earth's Structures
- Age of the Earth

#### **Quarter 3**

- Plate Tectonics
- Cell Division
- Genetics

#### **Quarter 4**

- Ecosystems, including Food Webs and Symbiosis
- Evolution/Natural Selection
- Human Impact on Earth

### **Possible Support Resources**

- Amoeba Sisters for Biological Topics: <https://www.youtube.com/user/AmoebaSisters>
- Student tutorials (students sign in through Clever): <https://www.floridastudents.org/#29|0|0|0>
- Simulations can be found at:
  - <https://phet.colorado.edu/>
  - <https://stjohnsscience.com>
- Schoology: The teacher's Schoology course will have assignments and other information.

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