



## 7th Grade Honors Science 2025-2026

### Instructional Plan

Created on August 6th, 2025

#### Contact Information

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#### What is Honors?

Honors courses feature grade-level instruction intended to give all students the opportunity for growth. The courses serve as an important part of a tiered academic pathway by offering more rigorous instruction and deeper learning than standard courses. A focused framework, instructional support, model lessons, and classroom assessments are used to help students develop skills that will enable them to continue success in AP courses, college, and careers.

#### COURSE DESCRIPTION

Seventh grade science focuses on building a strong foundation in the four major science disciplines: Life, Physical, Earth & Space, and Chemistry, while incorporating scientific and engineering practices. Students will explore topics like matter, energy, forces, motion, plate tectonics, and the human impact on the environment. The curriculum emphasizes hands-on investigations, data analysis, and critical thinking and writing to prepare students for more advanced science courses.

#### COURSE ACTIVITIES

Below you will find descriptions of the most common activities that students will participate in during each semester.

##### **Throughout the year, students will:**

- Work through hands-on labs to stimulate curiosity and student engagement
- Participate in activities that include close analysis, cause and effect understanding, as well as the implementation of best scientific method practices
- Participate in the YWLA Middle School Science Fair, including graded sections, full completion, and presentation of the science project. This is MANDATORY for all 7th-grade YWLA students!
- Conduct critical, evidence-based written responses
- Construction and analysis of models
- Engage in academic conversation
- Create maps, graphs, and tables from investigation data
- Complete occasional homework if work does not get completed in class

#### GRADES - Click here for → [YWLA Grading Policy](#)

Major (Test, Projects, Writing) 60%

Minor (Notes, Daily Work) 40%

#### Classroom Resources (examples below)

- Teacher and student-created materials



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- Google Classroom
- “*Science Duo*” resources
- *Gimkit*
- *NearPod* lessons
- *Khan Academy*
- “*Generation Genius*” videos
- “*Crash Course Chemistry, Biology, Ecology, Earth Science*” videos on YouTube
- *TEKS Resources*
- *AIMS* (Activities In Math and Science)

### **COURSE OBJECTIVES AND TOPICS**

- Chemistry & Matter
- Matter, Forces, & Energy
- Earth and Space
- Life

Please don't hesitate to contact us with any questions or concerns. We are excited to work together to make this a successful year of learning!

Mrs. Farrer and Mr. Pattillo

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