6th grade Science 2026-2027 Instructional Plan

Created on August 7, 2026

Contact Information

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WHAT IS Honors?

The purpose of honors courses is to bridge the gap between regular and Advanced Placement (AP) or Pre-AP classes. They serve as an important part of a tiered academic pathway by offering more rigorous instruction and deeper learning than standard courses.

COURSE DESCRIPTION

Sixth grade science is an inquiry-based, year-long course blending biology, chemistry, physics, and earth & space science. It engages students in scientific thinking, experimentation, and real-world problem-solving, aligned with the current TEKS.

COURSE ACTIVITIES

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

Throughout the year, students will:

- Asking testable questions, planning investigations, and using tools/models safely
- Designing experiments, identifying variables, and analyzing results
- Using SI units (metric), graphing data, and constructing explanations
- Learning laboratory safety and recognizing real-world contributions of scientists

GRADES - Click here for → YWLA Grading Policy

Major (Test, Projects, Writing)	60%
Minor (Notes, Daily Work)	40%

Classroom Resources

- **Google Classroom**
- **Videos on Youtube**
- **Teacher- created materials using interactive alignment tools like Lead4ward or TEKS Resource System for detailed breakdowns, vocabulary, and pacing ideas.**

YOUNG WOMEN'S Leadership Academy

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COURSE OBJECTIVES AND TOPICS

- **Students spend at least 40% of instructional time asking questions, planning, and safely conducting investigations in class, lab, and field settings using appropriate tools and models, while practicing resource conservation and ethical behavior**
- **Classify substances by physical vs. chemical properties; demonstrate chemical reactions and compare resulting products with original substances**
- **Explain Earth's layers, rock cycle, solar system cycles including tides and seasons**
- **Classify living organisms and describe their relationship with the environment**

Please feel free to reach out with any questions or concerns. We are excited to work together to make this a successful year of learning!
