

Earth and Space Science Honors offers a focused curriculum that explores Earth's composition, structure, processes, and history; its atmosphere, freshwater, and oceans; and its environment in space.

Course topics include an exploration of the major cycles that affect every aspect of life, including weather, climate, air movement, tectonics, volcanic eruptions, rocks, minerals, geologic history, Earth's environment, sustainability, and energy resources. Optional teacher-scored labs and projects encourage students to apply the scientific method. Other activities, such as practices and journals, challenge students to explore topics more deeply in order to enhance students' understanding of core concepts.

This course is built to state standards and informed by the National Science Teachers (NSTA).

Length: Two Semesters

Unit 1: What Is Earth Science?

Unit 2: Where Is Earth?

Unit 3: Earth's Water

Unit 4: Earth's Atmosphere

Unit 5: Weather and Climate

Unit 6: Semester Review and Exam

Unit 7: Laying the Groundwork

Unit 8: The Movers and Shakers

Unit 9: Minerals and Rocks

Unit 10: All the Time in the World

Unit 11: Earth's Resources

Unit 12: Semester Review and Exam