

Earth 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 Association (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**