# Earth's Systems Syllabus

During this class, students will explore all of Earth's Systems. Through hands-on activities and projects, students will learn about the Earth's geological processes, ancient life forms, water systems, surface features, and human impact on the environment. By the end of the course, students will develop a deeper understanding of Earth's interconnected systems and the importance of sustainable practices for preserving our planet.
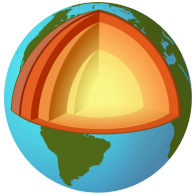

Formation & Composition of the Earth (21 instructional days)
This unit covers the formation of the Earth, its composition, and the structure of the Earth's layers. Students will learn about the formation of rocks, minerals, and the Earth's crust.

Paleontology (17 instructional days)
This unit focuses on the study of fossils and ancient life forms. Students will learn about the history of life on Earth, evolution, and the methods used by paleontologists to study fossils.
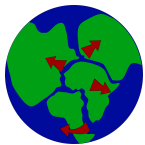
Tectonics & Energy (23 instructional days)
This unit covers plate tectonics, earthquakes, volcanoes, and the Earth's internal processes. Students will learn about the movement of Earth's lithosphere and the energy processes that drive these geological phenomena.
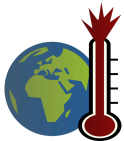

Water (25 instructional days)
In this unit, students will study the distribution of water on Earth, the water cycle, oceans, rivers, and groundwater. Students will also learn about water conservation and the importance of preserving water resources.

Earth's Processes (27 instructional days)
This unit focuses on the processes that shape the Earth's surface, such as weathering, erosion, and deposition. Students will learn about landforms, soil formation, and the way surface processes shape the environment. Including climate and weather.

Human Impact on Climate (17 instructional days)
This unit explores the ways in which human activities have influenced the Earth's climate and environment. Students will learn about Earth's resources, sustainable practices, and how humans have affected the climate and environment.