

What your child will learn:

Earth Science

Earth Science is the study of the Earth and its neighbors in space. In Earth Science class,

The student will identify and describe techniques used to investigate the universe and Earth.

- The student will describe the purpose and advantage of current tools, delivery systems and techniques used to study the universe.
- The student will describe the purpose and advantage of current tools, delivery systems and techniques used to study the atmosphere, land and water on Earth.

The student will describe and apply the concept of natural forces and apply them to the study of Earth/Space Science.

- The student will explain the role of forces in the formation and operation of the universe.
- The student will explain the role and interaction of revolution, rotation and gravity on the Sun-Earth-Moon system.

The student will explain how the transfer of energy and matter affect Earth systems.

- The student will describe how energy and matter transfer affect Earth systems.
- The student will explain how global conditions are affected when natural and human-induced change alter the transfer of energy and matter.

The student will analyze the dynamic nature of the geosphere.

- The student will compare the origin and structure of igneous, metamorphic and sedimentary rocks.
- The student will explain how the transfer of energy drives the rock cycle.
- The student will explain changes in Earth's surface using plate tectonics.

The student will investigate methods that geologists use to determine the history of Earth.

- The student will apply geologic principles used to date Earth's geologic and biologic events.
- The student will compare events in Earth's history that have been grouped according to similarities.