

Earth Science Syllabus  
Spring 2023

Order of classes is subject to change.

Week	Topic	Details
1	Radioactive Decay	Activity to demonstrate radioactive decay and law of superposition
2	Topography	Build a clay mountain and create a topographic map of it, learn how to read a topographic map
3	Earth's Layers	Build a model of the Earth's layers
4	Plate Tectonics	Learn about Pangea and Earth's tectonic plates
5	Mountains	Create models of mountain types
6	Mid-Ocean Ridge	Create model of mid-ocean ridge
7	Faults	Create fault block models, learn about fault types
8	Earthquakes	Learn about types of seismic waves and how they are measured
9	Rock Cycle	Learn about the rock cycle using Starburst candy
10	Minerals	Characteristics of minerals, perform various tests to identify minerals
11	Soil, Weathering, & Erosion	Perform test on Skittles candy to demonstrate weathering and erosion
12	Cupcake Core Sampling	Take cores of cupcake to determine its internal structure