

EARTH SCIENCE EXPLORED elementary SCOPE & SEQUENCE

Lesson 1: Home Sweet Home

What makes Earth a unique place in the solar system and its relationship to the rest of the universe

Lesson 2: The Spheres of the Earth

An overview of the four spheres of the Earth with a sneak peek at all we'll be learning about this year

Lesson 3: My Place in This World

Using maps, longitude and latitude lines, and cardinal directions

Lesson 4: Feeling Dizzy

Learning how the rotation and revolution of our planet impacts our days, weeks, months, and years

Lesson 5: A Season for Everything

Explore why we have seasons and the dates of the equinoxes and solstices

Lesson 6: Life Everywhere!

A study on climate, how it differs from weather, and how it allows for a diversity of life throughout the world

Lesson 7: Up, Up, and Away

Learning more about the layers of the atmosphere and their composition and purpose

Lesson 8: Water World

An introduction to the hydrosphere and all the different places water can be found

Lesson 9: Surf's Up

A deeper look at the movements of the oceans — waves, tides, and currents

Lesson 10: High Quality H₂O

Exploring the freshwater locations in the world, from lakes and rivers to glaciers and icebergs

Lesson 11: Water Works

All about the states of water and how the water cycle allows life to thrive on this planet

Lesson 12: On Cloud 9

Learning about the different types of clouds and why they form

Lesson 13: How's the Weather?

A general overview of what weather is, how it changes, and how clouds help us to predict it

Lesson 14: Raining Cats and Dogs

Exploring precipitation and thunderstorms

Lesson 15: We're Not in Kansas Anymore

An in depth look at tornados and how they form

Lesson 16: The Eye of the Storm

Why hurricanes form and the destruction they can cause

Lesson 17: Peeling Back the Layers

Exploring the different layers of the geosphere, from the crust to the core

Lesson 18: It's Elementary

An overview of rocks and minerals—and the elements that form them

Lesson 19: Rock On!

Learning the different types of rocks as well as the rock cycle

Lesson 20: The Plates of the Earth

Introducing plate tectonics and how they formed the continents

Lesson 21: Who's At Fault?

A deeper look at the types of tectonic plate boundaries and how the earth beneath us moves

Lesson 22: Blow Your Top

Exploring how volcanoes work, where they are, and their explosive power

Lesson 23: Shake, Rattle, & Roll

An exciting look at the power and destructiveness of earthquakes

Lesson 24: Wall of Water

Learning about the power of tsunamis

Lesson 25: Break It Down

An overview of the processes of weathering and erosion

Lesson 26: Clear as Mud

All about soil—what is it, how is it made, and why we need it

Lesson 27: Relics of the Past

A lesson on fossils and how they are made

Lesson 28: All Over This Land

Studying topography and landforms—from the heights of mountains and hills to the plateaus and plains

Lesson 29: Into the Land

A journey into the earth to study the topography of caves

Lesson 30: Under the Water

Studying the topography and unique features under the oceans — abyssal plains, hydrothermal vents, and more