

# 1 Curriculum Map

<b>Course Title: Water &amp; the Atmosphere</b>	<b>Quarter: 1</b>	<b>Academic Year: 2018-19</b>
---	-------------------	-------------------------------

**Essential Questions for this Quarter:**

1. How does water cycle on earth? 2. What factors affect Earth's climate?

Unit/Time Frame	Standards	Content	Skills	Assessment	Resources
-----------------	-----------	---------	--------	------------	-----------

Fresh Water	ESS2.C.1	Water on earth Surface water Water underground Wetland environments	ESS2-4	Chapter Tests Benchmark Tests Diagnostic Tests	Pearson Interactive Resources including:
The Oceans	ESS2.C.3	Exploring the ocean Wave action Currents & climate Ocean habitats	ESS2-3	↓	Teacher resources, Tubs of equipment,
The Atmosphere	ESS2.C.4	The air around Air pressure Layers of the atmosphere Energy in the atmosphere Heat Transfer Wind	ESS3-1	↓	STEM Labs, STEM Quest, Program resources, Project-based activities; and
Weather	ESS2.D.1	Water in the atmosphere Clouds Precipitation Air Masses Storms Predicting weather	ESS2-5	↓	ESU8 models and SNAP media
Climate & Climate Change	ESS3.D.3	Cause of climate Climate regions Changes in climate Human activities & climate change	ESS3-5	↓	↓

## 2Curriculum Map

<b>Course Title: Earth's Structure</b>	<b>Quarter: 2</b>	<b>Academic Year: 2018-19</b>
--	-------------------	-------------------------------

**Essential Questions for this Quarter:**

Unit/Time Frame	Standards	Content	Skills	Assessment	Resources
-----------------	-----------	---------	--------	------------	-----------

Introducing Earth	ESS2.A.2	The Earth system Earth's interior Convection & the mantle	ESS2-2	Chapter Tests Benchmark Tests Diagnostic Tests	Pearson Interactive Resources including:
Minerals & Rocks	ESS1.C.1	Properties of minerals Classifying rocks Igneous rocks Sedimentary rocks Metamorphic rocks The Rock Cycle	ESS2-1	↓	Teacher resources, Tubs of equipment,
Plate Tectonics	ESS1.C.2	Pangaea Seafloor spreading Plate tectonics	ESS2-3	↓	STEM Labs, STEM Quest, Program resources, Project-based activities; and
Earthquakes	ESS2.B.1	Forces in Earth's crust Seismic waves Monitoring earthquakes	ESS2-3	↓	ESU8 models and SNAP media
Volcanoes	ESS2.B.1	Volcanoes & plate tectonics Volcanic eruptions Volcanic landforms	ESS2-3	↓	↓

### 3Curriculum Map

<b>Course Title: Earth's Surface</b>	<b>Quarter: 3</b>	<b>Academic Year: 2018-19</b>
--------------------------------------	-------------------	-------------------------------

**Essential Questions for this Quarter:**

2. What processes shape the Earth's surface? 2. How is a map a model of Earth?
--

Unit/Time Frame	Standards	Content	Skills	Assessment	Resources
-----------------	-----------	---------	--------	------------	-----------

Mapping Earth's surface	ESS3.B.1	Exploring Earth's surface Models of Earth Mapping technology Topographic maps	ESS2-2	Chapter Tests Benchmark Tests Diagnostic Tests	Pearson Interactive Resources including:
Weathering & Soil	ESS1.C.1	Rocks & weathering How soil forms Soil conservation	ESS2-2	↓	Teacher resources, Tubs of equipment.
Erosion & Deposition	ESS2.C.1	Mass movement Water erosion Glacial erosion Wave erosion Wind erosion	ESS3-1	↓	STEM Labs, STEM Quest, Program resources, Project-based activities; and
Geologic Time	ESS2.A.1	Fossils Relative age Radioactive dating Geologic time scale Earth history	ESS2-3	↓	ESU8 models and SNAP media

# Curriculum Map

<b>Course Title: Astronomy and Space</b>	<b>Quarter: 4</b>	<b>Academic Year: 2018-19</b>
--	-------------------	-------------------------------

**Essential Questions for this Quarter:**

1. How do Earth, the moon, and sun interact? 2. How does exploring space benefit us on Earth?

Unit/Time Frame	Standards	Content	Skills	Assessment	Resources
-----------------	-----------	---------	--------	------------	-----------

Earth, Moon, and Sun	ESS1.B.1	The sky from Earth Earth in space Gravity and motion Phases and Eclipses Tides Earth's moon	ESS1-1	Chapter Tests Benchmark Tests Diagnostic Tests	Pearson Interactive Resources including:
Exploring Space	ESS1.B.2	The science of rockets The history of space exploration Using space science on Earth	ESS1-1	↓	Teacher resources, Tubs of equipment.
The Solar System	ESS1.A.1	Models of the solar system Introducing the solar system The sun The inner planets The outer planets Small solar system objects	ESS1-1	↓	STEM Labs, STEM Quest, Program resources, Project-based activities; and
Stars, Galaxies, and the Universe	ESS1.A.2	Telescopes The scale of the universe Characteristics of stars Lives of stars Star systems and galaxies The expanding universe	ESS1-2 ESS2-3	↓	ESU8 models and SNAP media

