



Flying Colors Science Resource Library: Earth & Space Science

Objects in the Universe

NGSS MS-ESS1-3

How the Universe Formed Article & Worksheet

How the Solar System Formed Article & Worksheet

Astronomy Claims & Evidence Activity

Properties of Planets Reading & Worksheet

Top 10 Examples of Scaled Properties of Celestial Objects Reading

Solar System to Scale Project

Properties of Objects in the Solar System CER Activity

Scale Properties of Objects in the Universe Quiz

How Far is a Light Year Worksheet

Galaxy Types Reading and Activity

Solar System Quiz

Top 10 Weird Planet Facts Reading & Worksheet

Sunspots Worksheet

Graphing Sunspots Activity

Health Risks in Space Reading & Questions

Build a Telescope Project

How the Earth Formed Article & Questions

Top 10 Cool & Weird Space Facts Reading

Top 10 Discoveries in Astronomy

Gravity

NGSS MS-ESS1-2

Gravity Unit Plan

Gravity Presentation & Cloze Notes

Mass & Weight Comparison Activity

Weight on Different Planets Activity

Gravity & the Birth of the Universe Reading & Questions

Gravity & the Birth of our Solar System Reading & Questions

Gravity's Role in Planetary Orbits Reading & Questions

Gravity's Role in Black Holes Reading & Questions

Graphing Gravity Activity

Gravity CER Stations

Gravity Worksheet

Gravity Assessment

Ten Ways Life Would Be Different Without Gravity Article

Earth's Seasons

NGSS MS-ESS1-1

Bust a Seasons Myth Activity

Quick Seasons Sorting Activity

Seasons Concept Map & Vocab Worksheet

Seasons Diagram Analysis Worksheet

Direct vs. Indirect Light Quick Worksheet

Seasons Review Worksheet

Seasons Diagram Analysis (High Rigor)

Create a Drawing of Earth's Orbit Activity

Graphing Seasons Activity

Seasons CER Stations Activity

Seasons Angle of Light Lab

Earth's Seasons Quiz

Quick Seasons Review Game

Earth's Seasons Test

Moon Phases and Tides

NGSS MS-ESS1-1

Moon Phases & Eclipses Presentation & Cloze Notes

Quick Moon Phases Sorting Activity

Moon Phases and Eclipses Worksheet - Starter

Eclipses Informational Text & Worksheet

Eclipses Color and Label Worksheet

Eclipse Videos Watching Questions

Moon Phases and Eclipses Worksheet

Moon Phases/Eclipses Worksheet (Higher Rigor)

Graphing Moon Phases

Top 10 Coolest Moon Facts Article & Questions

Moon Phases Assessment

Ocean Tides Worksheet

Using a Tide Chart Worksheet

Graphing Ocean Tides Activity

Tides CER Stations Activity

Relationship Between Tides & the Moon Activity

Moon & Tides Review Activity

Tides Quiz

Moon Phases & Tides Review Worksheet

Moon Phases & Tides Test

Earth's History

NGSS MS-ESS1-4

Geologic Time & Law of Superposition Presentation

Law of Superposition Reading & Questions

How the Earth Formed Article & Questions

Geologic Time Informational Text & Worksheet

History of Earth's Climate Activity

Fossils Reading & Questions

Fossils CER Worksheet

Fossils Reading Passages Worksheet

Fossils & Law of Superposition Worksheet

Law of Superposition Worksheet

Create a Geologic Time Scale to Scale

Fossils & Law of Superposition Quiz

Earth's History Test

Weathering, Erosion, & Rock Cycle

NGSS MS-ESS2-1

Rock Cycle Presentation & Cloze Notes

Rock Cycle Informational Text

Rock Cycle WebQuest

Rock Cycle CER Stations

Rock Cycle Quiz

Weathering & Erosion Presentation & Cloze Notes

Weathering and Erosion Worksheet

Weathering and Erosion Quiz

Earth's Top 10 Strangest Formations Article

Changes to Earth's Surface Test

Contour Maps

Topographic Map Worksheet

Mt. St. Helens Topographic Map Worksheet

Topographic Map Quiz

Earth's Layers

Earth's Layers Reading & Questions

Earth's Layers Article In Spanish

Create a Scaled Model of Earth's Layers

Earth's Layers Quiz

Plate Tectonics

NGSS MS-ESS2-2 and ESS2-3

Plate Tectonics Reading & Questions
Continental Drift & Seafloor Spreading Reading & Questions
Graphing Seafloor Spreading
Mapping the Mid-Atlantic Ridge
Continental Drift Flip Book
Quick & Fun Continental Drift Wegener Activity
Continental Drift & Seafloor Spreading Quiz
Density Creates Currents Convection Article
Modeling Convection in the Mantle
Convection in the Mantle Coloring Activity
Plot the Ring of Fire Activity
Create a Cross Section Drawing of Plate Tectonics
Design a Model of Plate Tectonics Group Project
Calculate the Speed of Plate Movement Activity
Plate Tectonics and Plate Boundaries Quiz
Plate Tectonics Choice Project
Plate Boundaries Review Game
Plate Tectonics Review Worksheet
Plate Tectonics Test

Natural Hazards

NGSS MS-ESS3-2

Mt. St. Helens Article and Questions

Investigate Where Earthquakes Occur

Earthquake Waves Worksheet

Earthquakes Quiz

Investigate Where Volcanos Occur

Volcanos Quiz

10 Earthquakes & Volcanoes that Changed History

Water Cycle

NGSS MS-ESS2-4

Water Cycle Presentation & Cloze Notes

Water Cycle Informational Text & Questions

Water Cycle Claims and Evidence Worksheet

Water Cycle Review Worksheet

Sea Ice & Glaciers Presentation

Sea Ice & Sea Level Rise Article & Questions

Water Cycle Quiz

Water Cycle Test

Weather & Climate

NGSS MS-ESS2-5 and ESS2-6

Weather Review Worksheet

Weather Fronts & Weather Maps Worksheet

Weather Instruments Worksheet

10 Types of Storms Reading & Questions

Relative Humidity Worksheet

Relative Humidity Lab

Relative Humidity Reference Chart

Weather Vocabulary Review Foldables

Weather WebQuest

Fun Snow Facts Reading & Questions

Weather Quiz

Weather Test

Climate Change

NGSS MS-ESS3-5

Climate Change Unit Plan

History of Earth's Climate Activity

Climate Change Presentation

Climate Change WebQuest

Climate Change Read & Respond Activity

2 Truths & a Lie Climate Change Activity

Climate Change Article & Questions

Climate Change Article (Above) In Spanish

Fossil Fuels Presentation

Fossil Fuels Article & Questions

Renewable Energy Article & Questions

Ocean Acidification Article & Questions

Sea Ice & Glaciers Presentation

Sea Ice & Sea Level Rise Article & Questions

Animals and Climate Change Reading & Questions

Greenhouse Effect Article & Questions

Greenhouse Effect Lab

Analyze Climate Change Graphs Worksheet

Graph Climate Change Data Activity (Standard Version)

Graph Climate Change Data Activity (Higher Rigor Version)

Mapping Carbon Emissions

Climate Change Quiz

Climate Change Test

Earth & Human Activity

NGSS MS-ESS3-3

Human Impact on the Environment Reading & Questions

Top 10 Environmental Disasters Reading

Chemicals of Pollution Reading & Questions

Sources of Air Pollution Worksheet

Air Pollution Information Stations Activity

Top Types of Trash Worksheet

Graphing Land Pollution Activity

Sources of Water Pollution Worksheet

Water Pollution Information Stations Activity

DDT Pollution and Flying Cats Activity

Natural Resources

NGSS MS-ESS3-1 and ESS3-4

Natural Resources Unit Plan

Distribution of Resources Article & Questions

Distribution of Natural Resources WebQuest

Top 10 Natural Resources We Use Every Day

Graphing Natural Resources Worksheet

Natural Resources Claims & Evidence Activity

Analyze Resource Maps & Graphs Activity

Fossil Fuels Presentation

Fossil Fuels Article & Questions

Renewable Energy Article & Questions

Natural Resources Research Project

Distribution of Natural Resources Assessment

Final Exam

Earth and Space Science Final Exam

Earth & Space Scientist Biographies

Valerie Thomas (NASA) Biography & Questions

Olga González-Sanabria (NASA) Biography & Questions

Cecilia Payne (Astronomer) Biography & Questions

John Herrington (Astronaut) Biography & Questions

Mary Leakey (Fossil Hunter) Biography & Questions

Alfred Wegener (Geographer) Biography & Questions

Grab-and-Go Earth & Space Sub Plans

10 Cool Scaled Properties in Space Reading & Questions

Top 10 Weird Planet Facts Reading & Questions

Top 10 Cool & Weird Space Facts Reading & Questions

Top 10 Discoveries in Astronomy Reading & Questions

10 Ways Life Would Be Different Without Gravity Reading & Questions

Top 10 Coolest Moon Facts Reading & Questions

Earth's Top 10 Strangest Formations Reading & Questions

10 Earthquakes & Volcanoes that Changed History

Top 10 Natural Resources We Use Every Day

Top 10 Environmental Disasters Reading

10 Types of Storms Reading & Questions