

MS-ESS1 California Grade 8 Science - Full Standard

Preferred Integrated Model

- ✓ **Earth's Place in the Universe**
- ✓ **Complete Curriculum for MS-ESS1 in California 8th Grade Preferred Integrated Science Instruction Model**
- ✓ **Save you over 75%**



UPGRADE to the Bundle

California Grade 8 Science Full Year Science Curriculum

Preferred Integrated Model

- ✓ Complete Curriculum for California 8th Grade Preferred Integrated Science Instruction Model
- ✓ Over 150 Resources Included, Grouped into Standard and Presented in the Preferred Order According to the California Department of Education
- ✓ Save you over 75%



Everything You Need to Teach 8th Grade Science in California using the Preferred Model

- Lesson Bundles
- Lessons in PowerPoint and Google
- Homework and/or Worksheets Provided for Many Lessons
- Teacher and Student Versions of Each Lesson
- Many Activities, Projects, Review Activities, STEM Challenges



NGSS Included

- MS-LS3 Heredity: Inheritance and Variation of Traits
- MS-LS4 Biological Evolution: Unity and Diversity
- MS-ESS1 Earth's Place in the Universe
- MS-ESS3 Earth and Human Activity
- MS-PS2 Motion and Stability: Forces and Interactions
- MS-PS3 Energy
- MS-PS4 Waves and their Applications in Technologies for Information Transfer
- MS-ETS1 Engineering Design



CLICK HERE

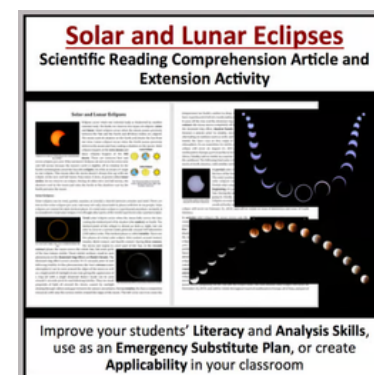
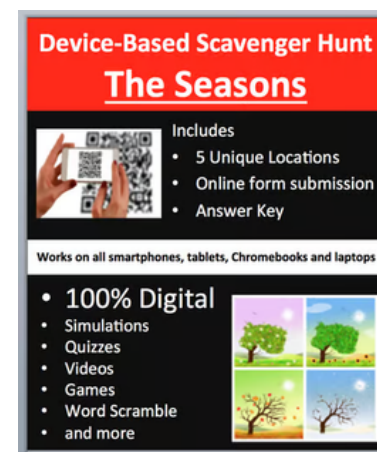


Save 75% and get the FULL
Year Curriculum

Resources Included

MS-ESS1-1

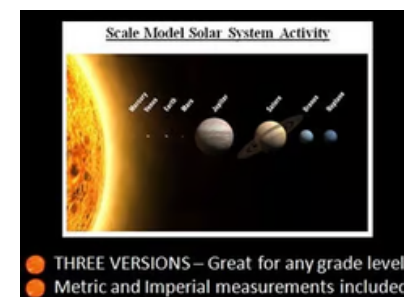
- The Moon – Lesson
- The Seasons - Lesson
- Eclipse - Scavenger Hunt
- The Seasons - Scavenger Hunt
- Earths Seasons - Lab Station Activity
- Eclipse - Solar and Lunar - Lab Station Activity
- The Moon and its Phases - Lab Station Activity
- Solar and Lunar Eclipses Digital INB
- The Seasons Digital INB
- Solar and Lunar Eclipses Reading
- Why Do We Need the Moon - Reading
- The Seasons - Reading
- Crash Course Video Worksheet - Moon Phases
- Crash Course Video Worksheet – Eclipses
- Crash Course Video Worksheet - The Moon
- Two Student-Led Moon Activities
- Bill Nye Seasons Video Worksheet



Resources Included

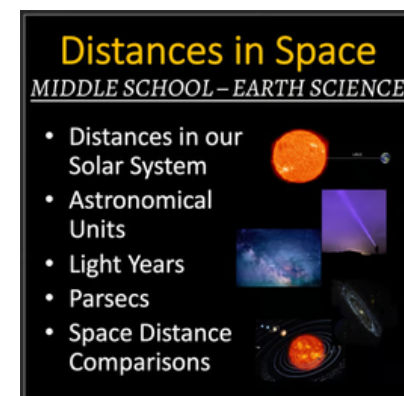
MS-ESS1-2

- Our Solar System – Lesson
- Galaxies Other Objects and the Universe – Lesson
- Model Solar System Activity
- Exploring the Solar System Project
- Crash Course Video Worksheet - The Gravity of the Situation
- Crash Course Video Worksheet - The Solar System
- Crash Course Video Worksheet - Newtonian Gravity
- Stars Galaxies and the Universe - Word Search and Scramble
- Bill Nye Outer Space Video Worksheet
- Our Solar System Digital INB



MS-ESS1-3

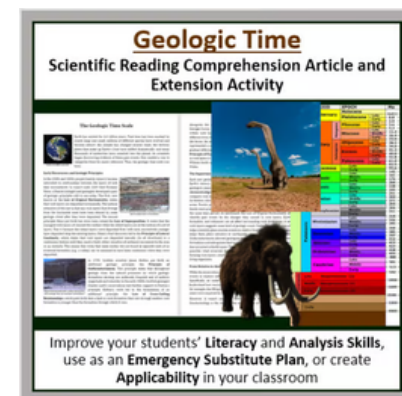
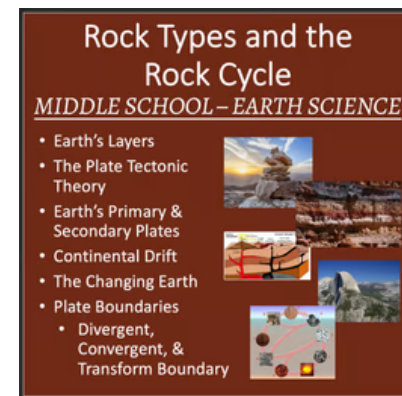
- Distances in Space – Lesson
- Galaxies Other Objects and the Universe – Lesson
- Our Solar System - Lesson
- Model Solar System Activity
- Crash Course Video Worksheet - The Solar System
- Crash Course Video Worksheet – Telescopes
- Crash Course Video Worksheet - Distances in Space
- Case Study - The Vastness of the Universe
- Stellar Bonds- A Friendship Across the Cosmos - Reading Prompt



Resources Included

MS-ESS1-4

- Rock Types and the Rock Cycle – Lesson
- Fossils and Geologic Time – Lesson
- Earthquakes, Volcanoes and Tsunamis – Lesson
- Geologic Time - Reading
- The Rock Cycle - Scavenger Hunt
- The Rock Cycle - Lab Station Activity
- Earths Systems and the Rock Cycle Review Game - Science Word Sprint
- The Earths Puzzle - A Geologic Adventure - Story Prompt
- The Rock Cycle Word Search and Scramble Activity



Everything You Need to Teach 8th Grade Science in California using the Preferred Model for MS-ESS1

Complete Lessons

Earth's Seasons

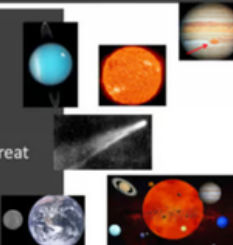
- Effects of Earth's Rotation
- Earth's Tilt
- Effect of Earth's Revolution
- The Tilt and Direct Sunlight
- The Seasons



Google Slides and PowerPoint Versions Included
Google Classroom Ready

Our Solar System

- The Sun
- Mercury
- Venus
- Earth
- Mars
- Jupiter and its Great Red Spot
- Saturn
- Uranus
- Neptune
- Why Pluto Was Demoted



Google Slides and PowerPoint Versions Included
Google Classroom Ready

Rock Types and the Rock Cycle

MIDDLE SCHOOL – EARTH SCIENCE

- Earth's Layers
- The Plate Tectonic Theory
- Earth's Primary & Secondary Plates
- Continental Drift
- The Changing Earth
- Plate Boundaries
 - Divergent, Convergent, & Transform Boundary



Google Slides and PowerPoint Versions Included
Google Classroom Ready

The Moon

- Moon Facts
- Movement of the Moon
- Moon Formation
- Phases of the Moon
- Tides
- What if the Moon Disappeared?
- Misconception – Dark Side of the Moon
- The Moon Illusion

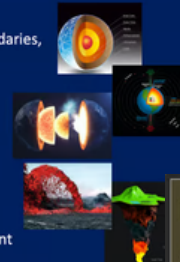


Google Slides and PowerPoint Versions Included
Google Classroom Ready

Earthquakes, Volcanoes, and Tsunamis

MIDDLE SCHOOL – EARTH SCIENCE

- Earthquakes
- Tectonic Plates, Boundaries, and Seismic Waves
- The Great Chilean Earthquake
- Volcanoes
- Types of Volcanoes
- Volcano Dangers
- Mount Tambora
- Tsunamis
- Social and Environment Impact of Tsunamis



Google Slides and PowerPoint Versions Included
Google Classroom Ready

Distances in Space

MIDDLE SCHOOL – EARTH SCIENCE

- Distances in our Solar System
- Astronomical Units
- Light Years
- Parsecs
- Space Distance Comparisons



Google Slides and PowerPoint Versions Included
Google Classroom Ready

Fossils and Geologic Time

MIDDLE SCHOOL – EARTH SCIENCE

- What is a Fossil?
- How Does Fossilization Occur?
- Rock Strata
- The Fossil Record
- The Geologic Time Scale



Google Slides and PowerPoint Versions Included
Google Classroom Ready

Galaxies, Other Objects, and the Expansion of the Universe

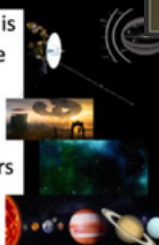
- Types of Galaxies
- Asteroids
- Meteors, Meteoroids, and Meteorites
- Comets
- The expansion of the Universe



Google Slides and PowerPoint Versions Included
Google Classroom Ready

Space

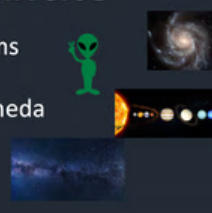
- What the Universe is
- Measuring Distance in Space
- Astronomical Unit and Light Years
- The Number of Stars
- Voyager 1 and 2
- Space Exploration



Google Slides and PowerPoint Versions Included
Google Classroom Ready

The Immensity of the Universe

- Solar Systems
- Galaxies
- The Andromeda Galaxy
- Aliens
- The Drake Equation
- Alien Inquiry



Google Slides and PowerPoint Versions Included
Google Classroom Ready

Everything You Need to Teach 8th Grade Science in California using the Preferred Model for MS-ESS1

Activities

Why We Need The Moon
Science Reading Comprehension Article



Improve your students' Scientific Literacy and Analysis Skills, use as an Emergency Substitute Plan or create Applicability in your classroom.

Reading Comprehension Passage & Questions
The Seasons
6th, 7th, and 8th Grade Science

No Prep, Ready-to-Use Resource
Google and Office Format
Includes Comprehension and Extension Questions



Solar and Lunar Eclipses
Scientific Reading Comprehension Article and Extension Activity



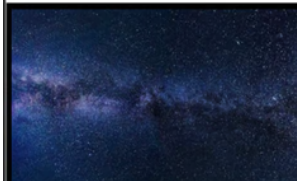
Improve your students' Literacy and Analysis Skills, use as an Emergency Substitute Plan, or create Applicability in your classroom

Geologic Time
Scientific Reading Comprehension Article and Extension Activity



Improve your students' Literacy and Analysis Skills, use as an Emergency Substitute Plan, or create Applicability in your classroom

Case Study – The Vastness of the Universe



Crash Course Astronomy #5
Eclipses

- Classroom Ready - Just Print and Go!
- Active Engagement - Keep Students' Attention
- Direct Video Link Included

WATCH VIDEO



Includes Student Copy and Answer Keys

Crash Course Astronomy #9
The Solar System

- Classroom Ready - Just Print and Go!
- Active Engagement - Keep Students' Attention
- Direct Video Link Included

WATCH VIDEO



Includes Student Copy and Answer Keys

Crash Course Astronomy #4
The Phases of the Moon

- Classroom Ready - Just Print and Go!
- Active Engagement - Keep Students' Attention
- Direct Video Link Included

WATCH VIDEO



Includes Student Copy and Answer Keys

Crash Course Astronomy #6
Telescopes

- Classroom Ready - Just Print and Go!
- Active Engagement - Keep Students' Attention
- Direct Video Link Included

WATCH VIDEO

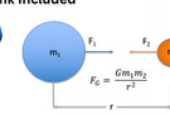


Includes Student Copy and Answer Keys

Crash Course Physics #8
Newtonian Gravity

- Classroom Ready - Just Print and Go!
- Active Engagement - Keep Students' Attention
- Direct Video Link Included

WATCH VIDEO



Includes Student Copy and Answer Keys

Crash Course Astronomy #12
The Moon

- Classroom Ready - Just Print and Go!
- Active Engagement - Keep Students' Attention
- Direct Video Link Included

WATCH VIDEO

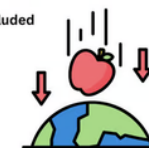


Includes Student Copy and Answer Keys

Crash Course Astronomy #7
The Gravity of the Situation

- Classroom Ready - Just Print and Go!
- Active Engagement - Keep Students' Attention
- Direct Video Link Included

WATCH VIDEO



Includes Student Copy and Answer Keys

Crash Course Astronomy #25
Distances in Space

- Classroom Ready - Just Print and Go!
- Active Engagement - Keep Students' Attention
- Direct Video Link Included

WATCH VIDEO

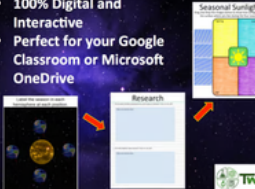


Includes Student Copy and Answer Keys

Everything You Need to Teach 8th Grade Science in California using the Preferred Model for MS-ESS1

Chapter 4: The Seasons
Digital Interactive Notebook Pages

- 100% Digital and Interactive
- Perfect for your Google Classroom or Microsoft OneDrive



TWIF

Chapter 6: Solar and Lunar Eclipses
Digital Interactive Notebook Pages

- 100% Digital and Interactive
- Perfect for your Google Classroom or Microsoft OneDrive



TWIF

Chapter 2 – Our Solar System
Digital Interactive Notebook Pages

- 100% Digital and Interactive
- Perfect for your Google Classroom or Microsoft OneDrive



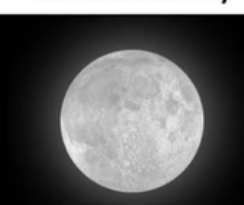
TWIF

Exploring the Solar System - An Individual and Collaborative Middle School Project



TWIF

The Moon and Its Phases
Lab Station Activity



7 Lab Station Activities to get your kids out of their seats and engaged in their learning

Solar and Lunar Eclipses
Lab Station Activity



7 Lab Station Activities to get your kids out of their seats and engaged in their learning

Earth's Seasons
Lab Station Activity



7 Lab Station Activities to get your kids out of their seats and engaged in their learning

Device-Based Scavenger Hunt
The Seasons

Includes

- 5 Unique Locations
- Online form submission
- Answer Key

Works on all smartphones, tablets, Chromebooks and laptops

- 100% Digital
- Simulations
- Quizzes
- Videos
- Games
- Word Scramble
- and more



Device-Based Scavenger Hunt
Eclipse – Solar and Lunar

Includes

- 5 Unique Locations
- Online form submission
- Answer Key

Works on all smartphones, tablets, Chromebooks and laptops

- 100% Digital
- Simulations
- Quizzes
- Videos
- Games
- Word Scramble
- and more



Device-Based Scavenger Hunt
The Rock Cycle

Includes

- 5 Unique Locations
- Online form submission
- Answer Key

Works on all smartphones, tablets, Chromebooks, and laptops

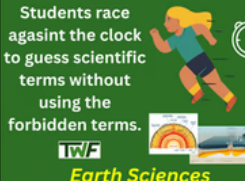
- 100% Digital
- Simulations
- Quizzes
- Videos
- Games
- and more



Activities

Science Word Sprint!
Earth's Systems and the Rock Cycle

Students race against the clock to guess scientific terms without using the forbidden terms.



TWIF
Earth Sciences

The Rock Cycle
Word Search and Scramble

THREE Activities in One! TWIF

1. Basic 25-Term Word Search
2. Scrambled Words Word Search
3. Word Scramble and Define Activity



Scale Model Solar System Activity



- THREE VERSIONS – Great for any grade level
- Metric and Imperial measurements included

Stars, Galaxies, and the Universe
Word Search and Scramble

THREE Activities in One! TWIF

1. Basic 25-Term Word Search
2. Scrambled Words Word Search
3. Word Scramble and Define Activity



The Earth's Puzzle - A Geologic Adventure



Story Prompt

Stellar Bonds- A Friendship Across the Cosmos



Story Prompt

The Standard is Explained and the Resources it Incorporates are Outlined

California Preferred Integrated NGSS Course Model – Grade 8 MS ESS1 Earth's Place in the Universe

Note: There are resources that overlap between the standards. Simply choose the order that best fits your classroom. Also, there are more resources here than you will most likely decide to use. I have provided extra so you can make the best decision for your students on what is best to include.

MS ESS1-1: Develop and use a model of the Earth-sun-moon system to describe the cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons.

Examples of models can be physical, graphical, or conceptual.

Resources:

- The Moon – Lesson
- The Seasons - Lesson
- Eclipse - Scavenger Hunt
- The Seasons - Scavenger Hunt
- Earths Seasons - Lab Station Activity
- Eclipse - Solar and Lunar - Lab Station Activity
- The Moon and its Phases - Lab Station Activity
- Solar and Lunar Eclipses Digital INB
- The Seasons Digital INB
- Solar and Lunar Eclipses Reading
- Why Do We Need the Moon - Reading
- The Seasons - Reading
- Crash Course Video Worksheet - Moon Phases
- Crash Course Video Worksheet – Eclipses
- Crash Course Video Worksheet - The Moon
- Two Student-Led Moon Activities
- Bill Nye Seasons Video Worksheet

MS ESS1-4: Construct a scientific explanation based on evidence from rock strata for how the geologic time scale is used to organize Earth's 4.6-billion-year-old history.

Emphasis is on how analyses of rock formations and the fossils they contain are used to establish relative ages of major events in Earth's history. Example of Earth's major events could range from being very recent (such as the last Ice Age or the earliest fossils of *Homo sapiens*) to very old (such as the formation of Earth or the earliest evidence of life). Examples can include the formation of mountain chains and ocean basins, the evolution or extinction of particular living organisms, or significant volcanic eruptions.

Assessment Boundary: Assessment does not include recalling the names of specific periods or epochs and events within them.

Resources:

- Rock Types and the Rock Cycle – Lesson
- Fossils and Geologic Time – Lesson
- Earthquakes, Volcanoes and Tsunamis – Lesson
- Geologic Time - Reading
- The Rock Cycle - Scavenger Hunt
- The Rock Cycle - Lab Station Activity
- Earths Systems and the Rock Cycle Review Game - Science Word Sprint
- The Earths Puzzle - A Geologic Adventure - Story Prompt
- The Rock Cycle Word Search and Scramble Activity

MS ESS1-2: Develop and use a model to describe the role of gravity in the motions within galaxies and the solar system.

Emphasis for the model is on gravity as the force that holds together the solar system and Milky Way galaxy and controls orbital motions within them. Examples of models can be physical (such as the analogy of distance along a football field or computer visualizations of elliptical orbits) or conceptual (such as mathematical proportions relative to the size of familiar objects such as students' school or state).

Assessment Boundary: Assessment does not include Kepler's Laws of orbital motion or the apparent retrograde motion of the planets as viewed from Earth.

Resources:

- Our Solar System – Lesson
- Galaxies Other Objects and the Universe – Lesson
- Model Solar System Activity
- Exploring the Solar System Project
- Crash Course Video Worksheet - The Gravity of the Situation
- Crash Course Video Worksheet - The Solar System
- Crash Course Video Worksheet - Newtonian Gravity
- Stars Galaxies and the Universe - Word Search and Scramble
- Bill Nye Outer Space Video Worksheet\
- Our Solar System Digital INB

MS ESS1-3: Analyze and interpret data to determine scale properties of objects in the solar system.

Emphasis is on the analysis of data from Earth-based instruments, space-based telescopes, and spacecraft to determine similarities and differences among solar system objects. Examples of scale properties include the size of an object's layers (such as crust and atmosphere), surface features (such as volcanoes), and orbital radius. Examples of data include statistical information, drawings and photographs, and models.

Assessment Boundary: Assessment does not include recalling facts about properties of the planets and other solar system bodies.

Resources:

- Distances in Space – Lesson
- Galaxies Other Objects and the Universe – Lesson
- Our Solar System - Lesson
- Model Solar System Activity
- Crash Course Video Worksheet - The Solar System
- Crash Course Video Worksheet – Telescopes
- Crash Course Video Worksheet - Distances in Space
- Case Study - The Vastness of the Universe
- Stellar Bonds- A Friendship Across the Cosmos - Reading Prompt

Who is this Bundle for?

- **Teachers who teach grade 8 science in California and who use the ‘Preferred Integrated Model’**
- **Teachers who want a variety of resources at their fingertips in order to meet the standards**
- **Teachers who don’t have time to develop their own resources or organize what to teach and when**