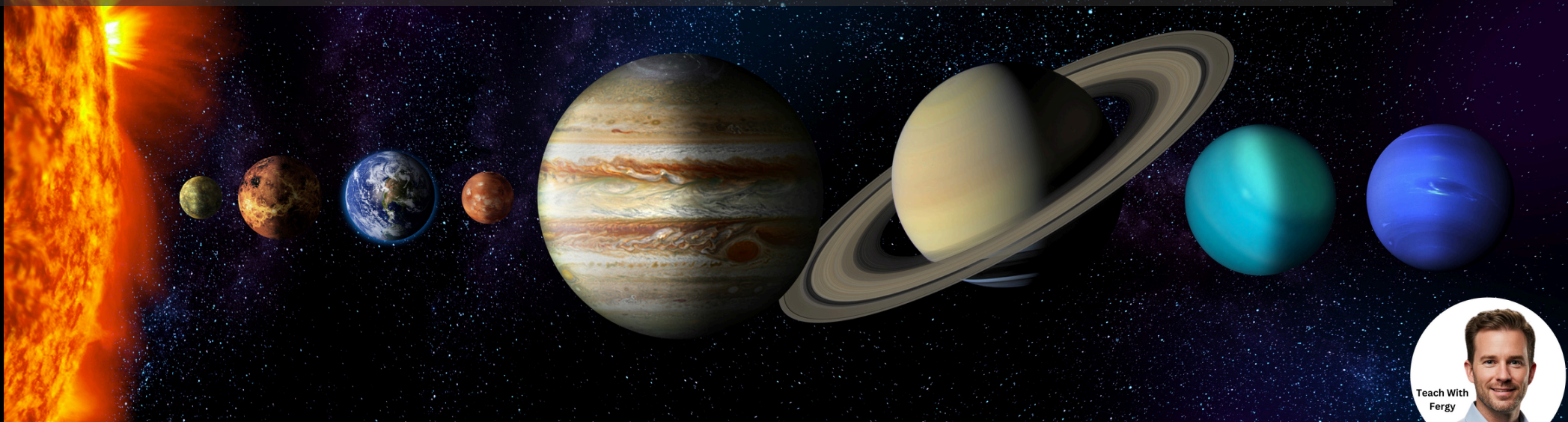


NGSS MS-ESS1-3

Curriculum Bundle

Solar System Scale & Structure: Analysis of Planets and Moons

- ✓ 2 Lessons, 7 Activities, and 1 Project
- ✓ Daily Teaching Timeline Included
- ✓ Everything You Need to Teach NGSS MS-ESS1-3



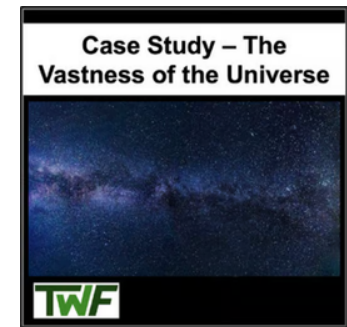
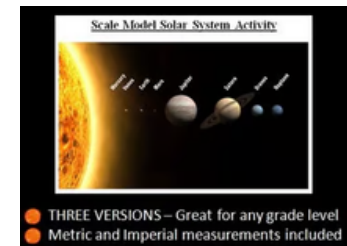
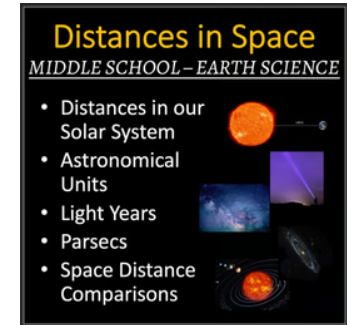
Teach With
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Resources Included

✓ 3 Lessons

✓ 6 Activities

- 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



Everything You Need to Teach

NGSS MS-ESS1-3

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

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

Galaxies, Other Objects, and the Expansion of the Universe

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

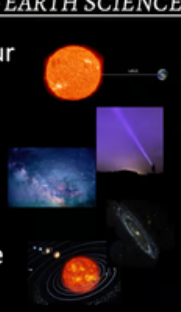


Google Slides and PowerPoint Versions Included
Google Classroom Ready

Distances in Space

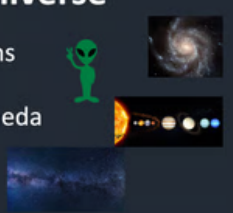
MIDDLE SCHOOL – EARTH SCIENCE

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



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

Case Study – The Vastness of the Universe



TWF

Scale Model Solar System Activity



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

Stellar Bonds- A Friendship Across the Cosmos



Story Prompt

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

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 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

Includes a Daily Teaching Timeline for the Standard and the Resources it Uses

MS ESS1 Earth's Place in the Universe

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

NGSS Standard Daily Teaching Plan

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

Lesson Length: 55 minutes

Timeframe: 2 Weeks, 10 Days

Day	Lesson/Activity
Day 1	Distances in Space – Lesson Stellar Bonds – A Friendship Across the Cosmos – Reading Prompt
Day 2	Crash Course Video Worksheet – Distances in Space Case Study – The Vastness of the Universe
Day 3	Galaxies Other Objects and the Universe – Lesson Crash Course Video Worksheet – Telescopes
Day 4	Our Solar System – Lesson Crash Course Video Worksheet – The Solar System
Day 5	Model Solar System Activity Stars, Galaxies, and the Universe – Discussion/Review (tie concepts together)
Day 6	Crash Course Video Worksheet – Telescopes (review or catch-up) Case Study – The Vastness of the Universe (deeper analysis or group discussion)
Day 7	Crash Course Video Worksheet – The Solar System (review) Model Solar System Activity (extension or alternate group work)
Day 8	Distances in Space – Review Discussion Stellar Bonds – A Friendship Across the Cosmos – Reading Prompt (group reflection or summary writing)
Day 9	Galaxies Other Objects and the Universe – Review Activity (discussion) Crash Course Video Worksheet – Distances in Space (final wrap-up)
Day 10	Our Solar System – Synthesis Discussion Model Solar System Activity or Case Study – The Vastness of the Universe (closing connections and review)

Distances in Space

MIDDLE SCHOOL – EARTH SCIENCE

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

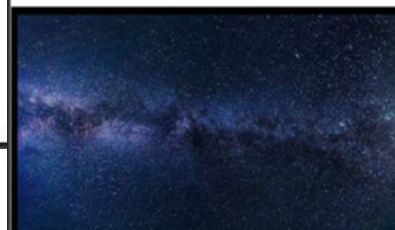


Scale Model Solar System Activity



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

Case Study – The Vastness of the Universe



TWFF

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

Who is this Bundle for?

- **Teachers who teach Middle School Science and use the NGSS**
- **Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to meet the standard**
- **Teachers who don't have time to develop their own resources or organize what to teach and when**