

SPACE: AN INTRODUCTION

No-Prep and Fully Editable

Google & Office Versions

Includes 7 Bonus Activities



Over 185 Units Sold!



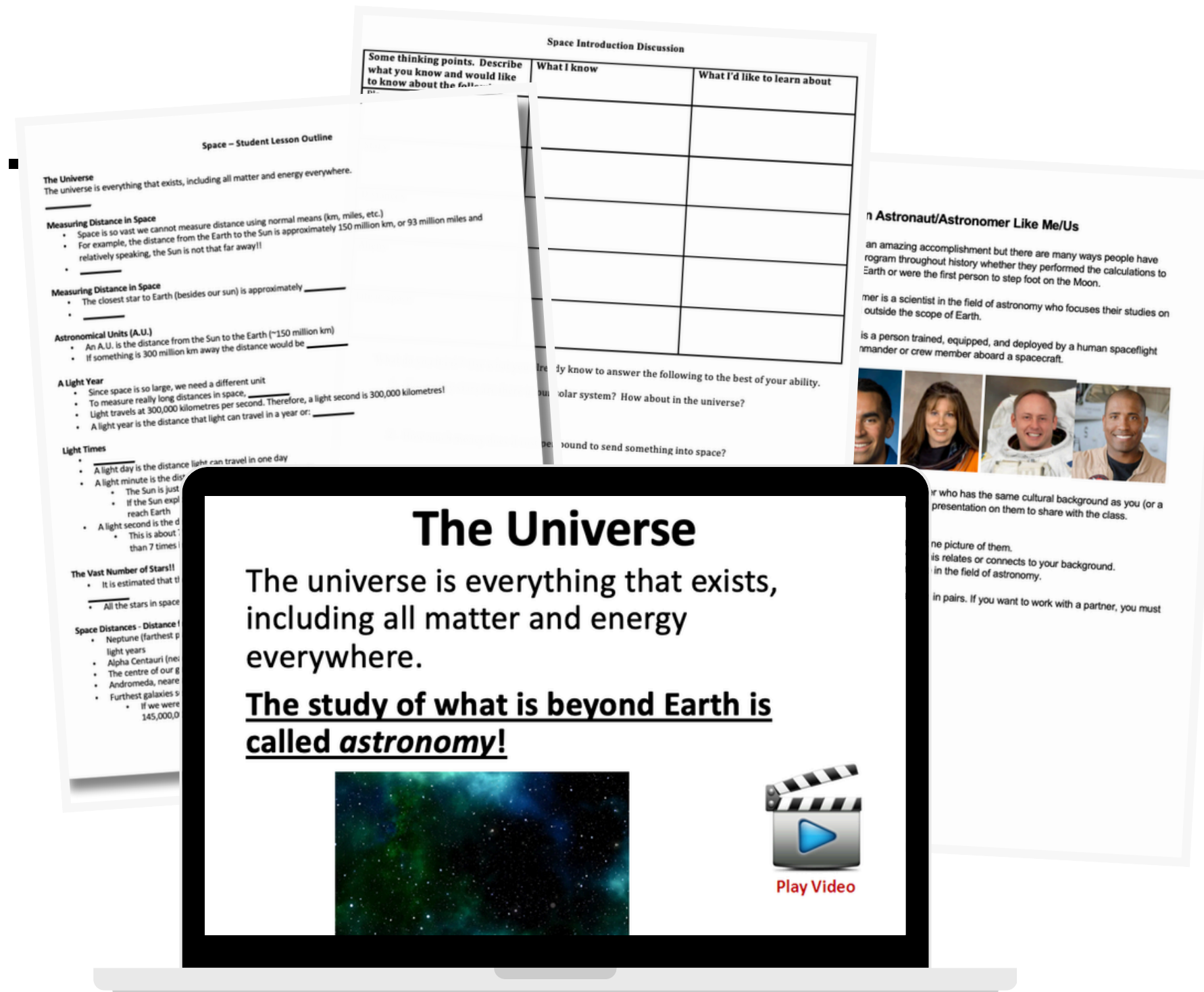
★★★★★ Extremely satisfied - The presentations are very organized as well as all the additional materials. Will purchase more in the future!

SCROLL
to take a look inside!



HOW THIS LESSON HELPS YOU

- Saves Prep Time: Everything is pre-made, ready to go, and Fully Editable.
- Provides Built-In Assessments
- The activities and auto-graded exit ticket lets teachers quickly check for understanding
- Includes a Lesson, Scaffolded Student Notes, Video Worksheets, and Auto-Graded Exit Ticket



Classroom Fit Guarantee

I want you to feel confident when you purchase from Teach With Fergy. If a resource is not the right fit for your students, simply contact me and I'll provide double your purchase amount in store credit toward another resource in my store.



★ A Complete, Fully-Editable Lesson & Student Notes

★ Teacher and Student Versions of your Lesson with an Embedded Video

★ Video Worksheets

★ Discussion Activity on Space Exploration

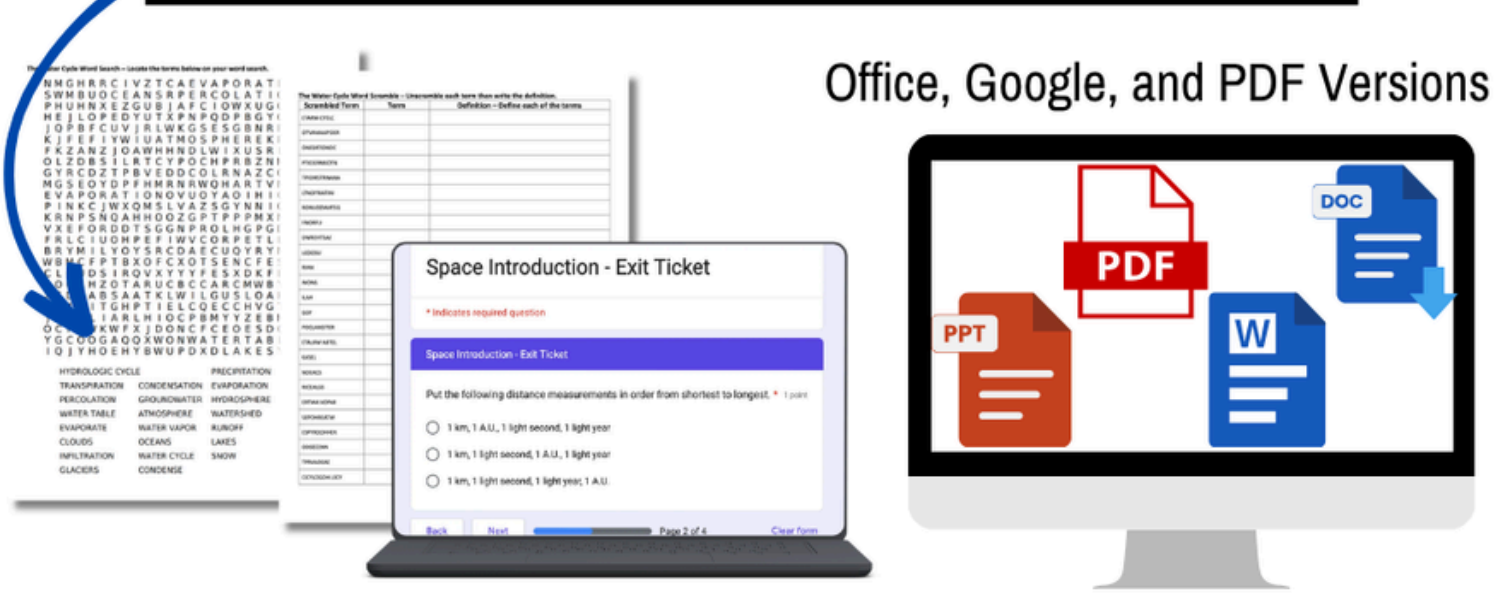
★ 4-Question, Auto-Graded Exit Ticket

What You Get

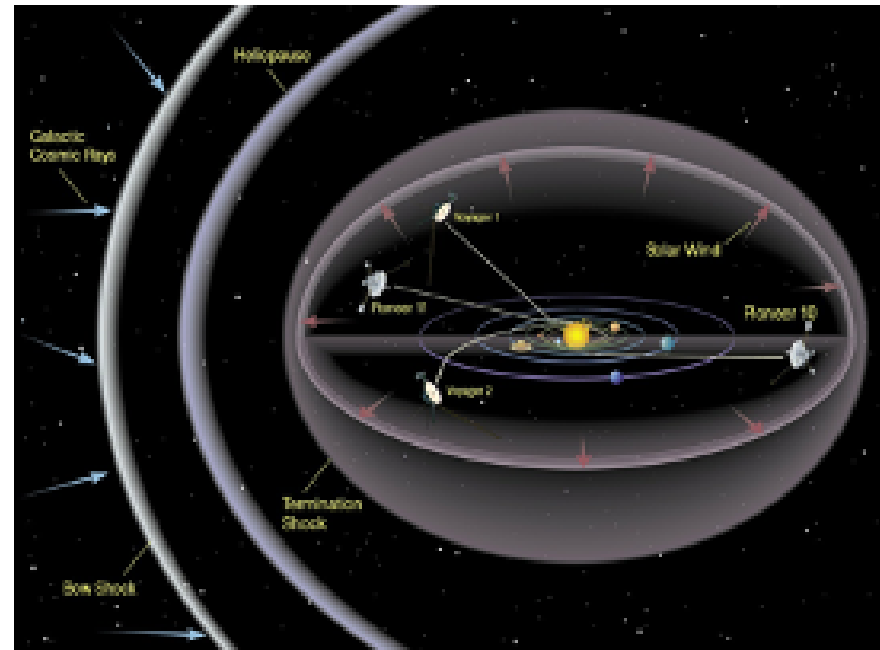
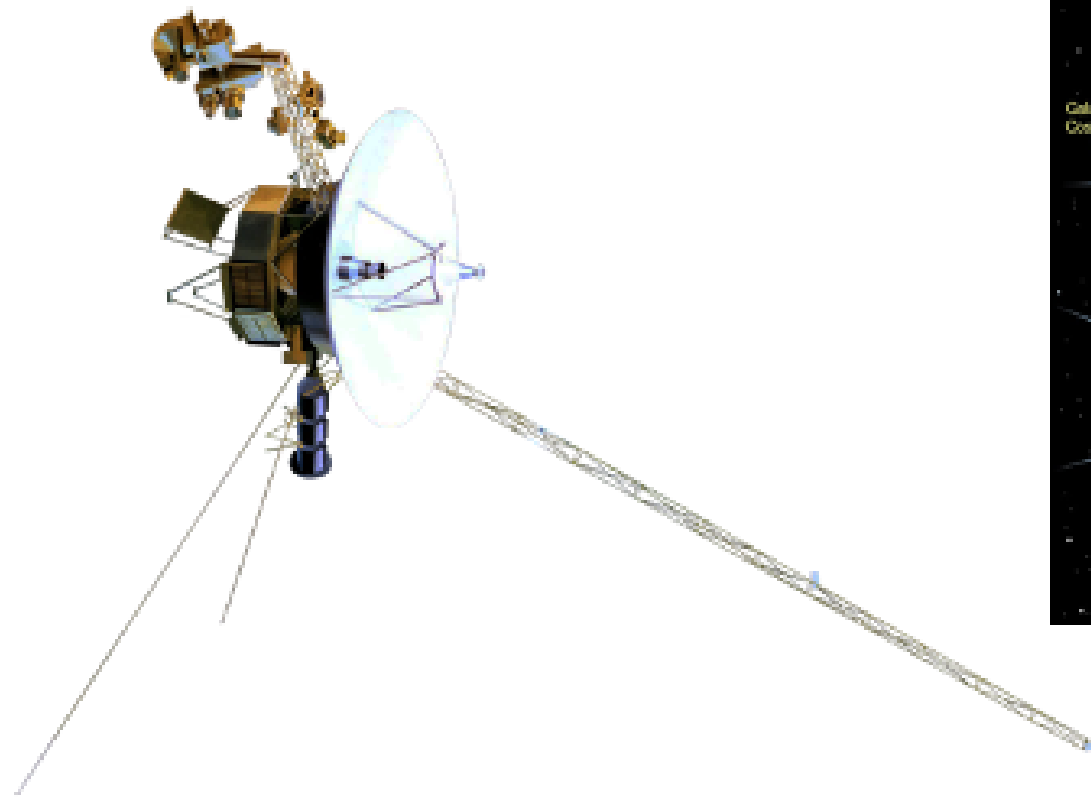
Videos Embedded & Student Notes



Exit Ticket + Word Search and Scramble Activity



What Will Your Students Learn?



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

Your Lesson

Student Notes in
Word and PDF

Google Access

Print AND
Digital

Video embedded in
your slides

Teacher and Student
Versions of the Lesson

Space – Student Lesson Outline

The Universe

The universe is everything that exists, including all matter and energy everywhere.

Measuring Distance in Space

- Space is so vast we cannot measure distance using normal means (km, miles, etc.)
- For example, the distance from the Earth to the Sun is approximately 150 million km, or 93 million miles and relatively speaking, the Sun is not that far away!!

Measuring Distance in Space

- The closest star to Earth (besides our sun) is approximately _____

Astronomical Units (A.U.)

- An A.U. is the distance from the Sun to the Earth (~150 million km)
- If something is 300 million km away the distance would be _____

A Light Year

- Since space is so large, we need a different unit
- To measure really long distances in space, _____
- Light travels at 300,000 kilometres per second. Therefore, a light second is 300,000 kilometres!
- A light year is the distance that light can travel in a year or: _____

Light Times

- A light day is the distance light can travel in one day
- A light minute is the distance light can travel in one minute
 - The Sun is just over 8 light minutes away
 - If the Sun exploded, it would take about 8 minutes and 20 seconds for the light from the explosion to reach Earth
- A light second is the distance light can travel in one second = 299,792.5 km
 - This is about 7 times the circumference of the Earth meaning, light could travel around the Earth more than 7 times in one second.

The Vast Number of Stars!!

- It is estimated that there are _____ stars in the universe
- All the stars in space out to _____ light years

Space Distances - Distance from Earth

- Neptune (farthest planet) _____ light years
- Alpha Centauri (nearest star) _____ light years
- The centre of our galaxy _____ light years
- Andromeda, nearest large galaxy _____ light years
- Furthest galaxies seen in the universe _____ light years
- If we were still using the Earth-Sun distance as a unit, it would take _____ 145,000,000,000 A.U. to reach the furthest galaxies!

Google Access

Thank you for your purchase. Clicking the link button below will automatically create a copy of the Google resources and place them into your Google Drive. You'll find the folder inside the "Shared with me" section on the left side of your Drive.

Important: Before you click, make sure you're signed in to the Google account you'd like the resources placed into. If the resources are added to the wrong account, simply sign out and then into the correct one and repeat the process.

Click here to place a copy of your resources into your Google account

TWF

Google Classroom Ready
One-Click Google Slides Access

The Universe

The universe is everything that exists, including all matter and energy everywhere.



Play Video

4-Question, Auto-Graded Exit Ticket

Space Introduction - Exit Ticket

* Indicates required question

Space Introduction - Exit Ticket

Put the following distance measurements in order from shortest to longest. * 1 point

- ☐ 1 km, 1 A.U., 1 light second, 1 light year
- ☐ 1 km, 1 light second, 1 A.U., 1 light year
- ☐ 1 km, 1 light second, 1 light year, 1 A.U.

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Clear form

Space Exploration

- At a speed of 62,000 km per hour, it would still take 77,000 years to reach the nearest star**
- 77, 000 years is a long time to journey in a spacecraft
- For space exploration to be possible outside of our solar system, we need a faster way to travel
- Research and list two faster means of space travel currently in development



Space Exploration

- _____
- 77, 000 years is a long time to journey in a spacecraft
- For space exploration to be possible outside of our solar system, we need a faster way to travel
- Research and list two faster means of space travel currently in development



Play Video

INCLUDED BONUSES

The following activities are included in your purchase.

Crash Course Astronomy #1: Introduction to Astronomy

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

[WATCH VIDEO](#)





Includes Student Copy and Answer Keys

Astronomy and Space



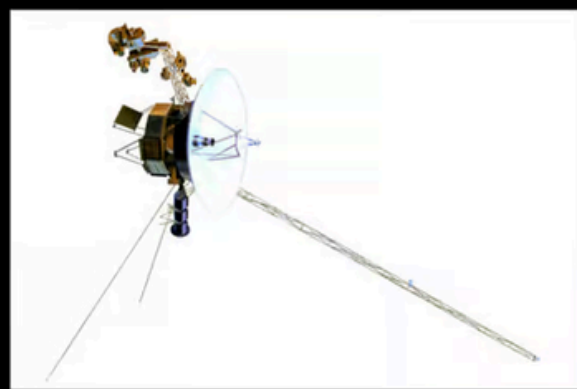
Jupiter	Neptune	Galaxy	Asteroid
Planet	Star	Venus	Eclipse
Solar System	Mars	Telescope	Moon
Uranus	Earth	Mercury	Saturn

Hiroko and the Galactic Explorer

Story Prompt



Case Study - Voyager 1 and Voyager 2 Spacecraft



Astronomy and Space Word Search and Scramble

THREE Activities in One!

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



An Astronaut Like Me

Allow your students to see themselves as an astronaut or astronomer.



Crash Course Astronomy #2: 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

HAPPY TEACHERS SAID...



★★★★★ Extremely satisfied - Very easy to use. My students were able to follow along with the material and the guided notes are a big plus!

★★★★★ Extremely satisfied - my students really liked using this resource to learn about the different spheres.

★★★★★ Extremely satisfied - This was a great tool to help my students review this topic. Thank you!

★★★★★ Extremely satisfied - Engaging and fun. My students enjoyed it and it also allowed them to think and ask questions they normally wouldn't.

Thanks
**for your interest
in this resource!**

I am a real person and if
you have any questions,
suggestions, or concerns,
please reach out.



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*Let's
Connect!*

