

Complete Space Unit

- **Lessons**
- **Activities**
- **Assessment**

SCROLL
to take a look inside!

Space Unit BUNDLE

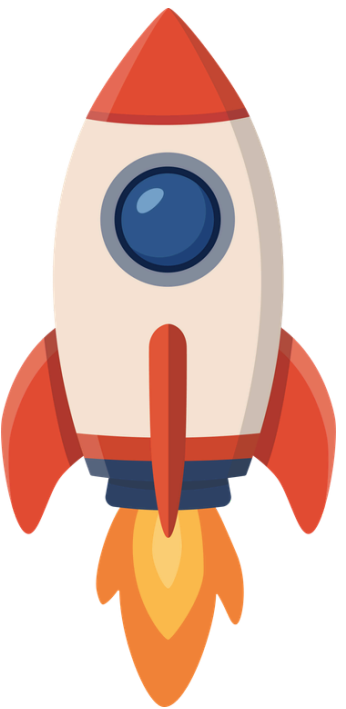
- ✓ Comprehensive 5 Week Unit - Lessons, Activities, Projects
- ✓ Include a Daily Teaching Schedule - **NO PREP**
- ✓ 15 BONUS Activities worth over \$64!
- ✓ Ready-to-Use & Editable
- ✓ Aligned with NGSS Standards



**Over 955 Units
Sold on TPT!**

BY THE END OF THIS BUNDLE, STUDENTS WILL:

- ✓ **Understand Major Space Science Concepts** – Learn about the solar system, stars, galaxies, eclipses, the Moon, seasons, and the scale of the universe.
- ✓ **Explore Patterns in the Earth-Sun-Moon System** – Discover how Earth's tilt, the Moon's motion, and the positions of celestial bodies explain seasons, moon phases, and eclipses.
- ✓ **Examine Space Through Models and Data** – Use models, activities, and analysis to better understand motion, gravity, and the properties of objects in space.
- ✓ **Build Knowledge Through Interactive Practice** – Reinforce understanding with lab stations, digital scavenger hunts, bell ringers, task cards, video worksheets, projects, and review activities.
- ✓ **Apply Space Science Learning Over a Full Unit** – Use lessons, assessments, and hands-on activities across a complete 4–5 week unit to develop deeper understanding of space science.



HOW THIS BUNDLE WILL HELP YOU



- ★ **Saves Prep Time – Everything is already created for you, including lessons, readings, notebook pages, scavenger hunts, lab stations, mysteries, video questions, and review activities.**
- ★ **The bundle includes a wide range of resources across multiple grade levels, giving you flexibility as well as including all space concepts you would want to include in your unit.**
- ★ **Built in Review and Assessment – The variety of activities helps students practice, apply, and review what they've learned while giving you easy ways to check for understanding.**
- ★ **Perfect for: Full units, sub-units, classwork, homework, centers, sub plans, review, and reinforcement throughout the year.**

Space Unit - Daily Teaching Schedule

This teaching schedule is created in a way that lets your students watch the lesson at home before coming to class so that you can spend more time doing activities, etc. Clicking the hyperlink will take you to the video lesson. It can also be altered so that you teach the lessons using the included presentations. The worksheets can be found inside the lesson folder unless otherwise stated.

Day 1:

- Space Introduction Discussion - Found in Lesson 1 folder
- An Astronaut Like Me

Day 2:

- Teach Lesson 1 - Space
- Students complete notes
- An Astronaut Like Me
- HW:
 - Watch - [Lesson 2 - Our Solar System](#)
 - Complete Student Notes

Day 3:

- Review - Lesson 2 - Our Solar System
- An Astronaut Like Me
- All Inclusive Space Package

Day 4:

- An Astronaut Like Me - Presentation
- Bill Nye - Outer Space - Lesson 2 folder
- HW:
 - Watch [Lesson 3 - Life In Outer Space](#)
 - Complete Student Notes

Day 5:

- Finish An Astronaut Like Me presentations
- Student Quiz
- Start Model Solar System Activity

Teaching Timeline

★ 9 Interactive Lessons in Print & Digital

★ 15+ Activities that provide different ways for students to demonstrate their understanding

★ Review and Assessments with Full Answer Keys

What You Get

SPACE UNIT - GRADE 7-9

- ✓ Lessons | Activities | 1 Quiz & 1 Unit Test
- ✓ Projects and Assessments

Day-by-Day

Timeline

Space Unit - Daily Teaching Schedule

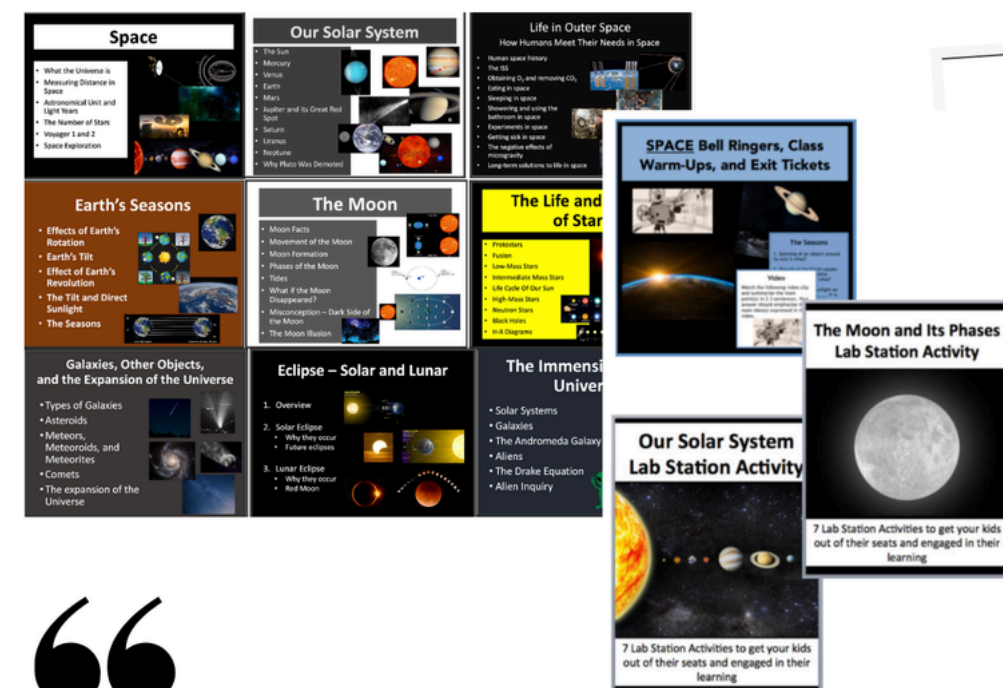
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“

★★★★★ Extremely satisfied I needed something quick and ready-made and this package was well worth the price. I would have actually paid more for everything that I got! Very good!

”

9 Engaging Lessons

Exit Ticket - Our Solar System

* Indicates required question

Exit Ticket - Our Solar System

The second closest planet to the Sun is _____. *

1 point

☐ Mars

☐ Venus

☐ Earth

☐ Mercury

Back Next Page 2 of 4 Clear form

4-Question, Auto-Graded Exit Tickets for EACH lesson.

Space

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

Our Solar System

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

Life in Outer Space

How Humans Meet Their Needs in Space

- Human space history
- The ISS
- Obtaining O₂ and removing CO₂
- Eating in space
- Sleeping in space
- Showering and using the bathroom in space
- Experiments in space
- Getting sick in space
- The negative effects of microgravity
- Long-term solutions to life in space

Earth's Seasons

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

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

The Life and Death of Stars

- Protostars
- Fusion
- Low-Mass Stars
- Intermediate Mass Stars
- Life Cycle Of Our Sun
- High-Mass Stars
- Neutron Stars
- Black Holes
- H-R Diagrams

Galaxies, Other Objects, and the Expansion of the Universe

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

Eclipse – Solar and Lunar

1. Overview
2. Solar Eclipse
 - Why they occur
 - Future eclipses
3. Lunar Eclipse
 - Why they occur
 - Red Moon

The Immensity of the Universe

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

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

Includes student notes in easy-to-fill-in formats.

Life Cycle Of Our Sun

• Our sun is in the main sequence where it fuses hydrogens to make Helium

• In about 4.5 – 5 billion years, it will leave the main sequence and become a Red Giant

• In about 10 billion years, it will die out

Videos embedded directly into the slides. One-click access.

Jupiter's Great Red Spot

- Has a great red spot
- It is a storm that has been going on for at least 400 years
- The storm is larger than the Earth

Teacher and Student Versions of the presentation

Our Solar System – Student Lesson Outline

Our Solar System

- The Sun
- Eight Planets
- Some Moons
- Many Comets and Asteroids

The Sun

- In its core, the Sun combines hydrogen into helium and energy (fusion)
- Core conditions
 - Temperature is 15.6 million Kelvin

The Sun is Huge!!

Mercury

- Shortest orbit around the Sun
 - 0.24 Earth Years

Venus

- Orbit (0.62 Earth Years)
- Brightest object in the sky other than the Sun
- Rocky ball
- Huge greenhouse effect
 - Very high temperatures (~800 °F)

Earth

- Orbit 365.25 days
- Only planet known to sustain life in the Universe
- Breathable atmosphere containing mostly nitrogen and oxygen gas

Mars

- Mars is known as the red planet due to the rust covering the surface
- Orbit is 1.88 Earth years
- Earth's diameter is 1.88 times larger
- Rocky ball
- No breathable atmosphere
- Would need to be terraformed if we want to inhabit it

Jupiter

- Jupiter contains over 70% of the mass in the solar system outside the Sun.
- Jupiter is a ball of gas and liquid (mostly hydrogen and helium).
- Its diameter is 11.1 times larger than Earth's

15+ Engaging Activities

- 5 Lab Station Activities
- 2 Digital Scavenger Hunt Activities
- 2 Culminating Tasks/Projects
- Space Unit - Bell Ringers, Class Warm-Ups, and Exit Tickets Bundle
- Space Mystery and Graphing Activities
- Our Solar System Digital Boom Cards
- Model Solar System Assignment
- Space Newsletter Assignment
- Many Video Worksheets with answer keys
- Space Task Card Activity
- Activities and Readings on Artemis Missions and Space Colonies



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.



BONUS ACTIVITIES

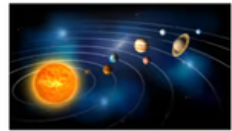


15 RESOURCES WORTH OVER \$64!

Crash Course - ASTRONOMY 47 Episode Series Bundle

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

WATCH VIDEO



All 47 Episodes with Answer

THE SPACE COLONY MYSTERY



DETECTIVE FILE ON SPACE AND
SPACE EXPLORATION

NO PREP



Space Data Investigation Bundle: Planet Motion, Moon Phases, and Stars - Middle School

THREE Graphing Activities

NO PREP - Just
download and Go!



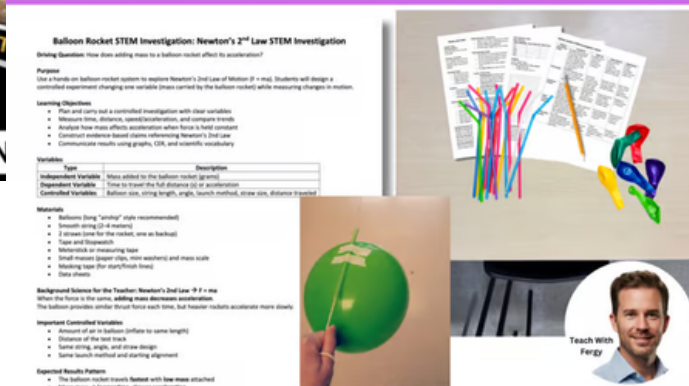
Artemis III Mission Patch Activity

Flexible
activity that
works for
ALL grades



MISSION

NEWTON 2ND LAW OF MOTION STEM INVESTIGATION



BALLOON ROCKET

BUILDING AND UTILIZING A MOON BASE GRADE 8 AND UP READING

Improve students'
literacy skills

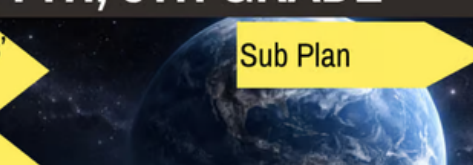
Science Applicability
Sub Plan



BUILDING A MOON BASE READING 6TH, 7TH, 8TH GRADE

Improve students'
literacy skills
Science

Sub Plan



Future Moon Base Planning Project

Science Research and
Engineering Design Project

ARTEMIS MISSIONS GRADE 8 AND UP READING

Improve students'
literacy skills

Science
Applicability
Sub Plan



THE MICROGRAVITY MYSTERY

NO PREP



FILE ON SPACE AND
SPACE EXPLORATION

Living in Deep Space Astronaut Survival Systems Presentation Project



THE ROCKET LAUNCH MYSTERY

NO PREP

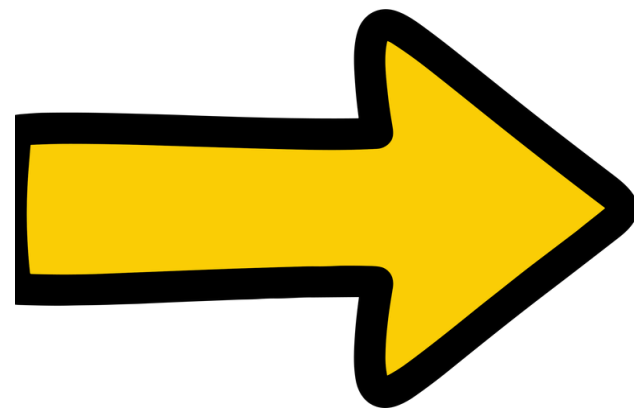


DETECTIVE FILE ON SPACE AND
SPACE EXPLORATION

Daily Teaching Timeline

Flexible, day-by-day teaching schedule so you'll know what to teach and when each day.

Includes links to my video lessons which includes me, teaching the full lesson



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Day 3:

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-
-

Day 4:

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-
-

Day 5:

-
-
-

Day 6:

- Review - Lesson 3 - Life In Outer Space
- Model Solar System Activity
- [Space Tourism Project](#)
- All Inclusive Space Package

Day 7:

- Model Solar System Activity
- All Inclusive Space Package - Due NEXT DAY
- HW:
 - Watch - [Lesson 4 - The Life and Death of Stars](#)
 - Complete Student Notes
 - Finish - All Inclusive Space Package - Due NEXT DAY

Day 8:

- Review - Lesson 4 - The Life and Death of Stars
- Finish Model Solar System Activity
- Solar System Research - Lesson 2 folder
- HW:
 - Complete Solar System Research

Day 9:

- Stars - Lab Station Activity - Found in Lab Station Activities folder
- All Inclusive Space Package Presentations

Day 10:

- Quiz - Lesson 1-5 NEXT DAY
- Collect Solar System Research starting tomorrow
- Stars - Element Factory Reading (20 min) - due in 1 week - Found in Lesson 3 folder

Day 11:

- Quiz - Lesson 1- 5
- Collect Solar System Research
- Complete Stars - Element Factory Reading
- HW:
 - Watch - [Lesson 6 - The Moon](#)
 - Complete Student Notes

Day 12:

- Review Lesson 6 - The Moon
- NASA Moon Survival Mission
- Give - A Space Adventure Story
- Lab Station Activity - The Moon and its Phases (50 minutes) - Found in Lab Station folder

Day 13:

- Teach - Lesson 7 - Eclipse
- A Space Adventure Story

Day 14:

- Work on - A Space Adventure Story
- HW:
 - Watch - [Lesson 8 - Galaxies Other Objects and The Universe](#)
 - Complete Student Notes

Day 15:

- Work on - A Space Adventure Story

Day 16:

- Review - Lesson 8 - Galaxies, Other Objects, and the Universe
- Work on - A Space Adventure Story

Day 17:

- Teach - Lesson 9 - The Immensity of the Universe
- Review for test (30 min)
- Work on - A Space Adventure Story

Day 18:

- Work on - A Space Adventure Story - Due day after test
- Review for Space Test
 - Space Task Cards
 - Review

Day 19:

- Space Test