

Life in Outer Space Lesson

How Humans Meet Their Needs in Space

Grade 6-9

No-Prep & Fully Editable

“★★★★★ Extremely satisfied - Detailed and huge time save for a very tired teacher. Students loved the video”

SCROLL
to take a look inside!

- ✓ 15 Videos Included in the Lesson
- ✓ Google & Office Compatible

Over 200 Units Sold!



HOW THIS LESSON HELPS YOU

- **Saves Prep Time** - Everything is pre-made, ready to go, and fully editable.
- **Provides Built-In Assessments** - The auto-graded exit ticket lets you quickly check for understanding.
- **Provides Applicability** - the lesson includes multiple examples of real-life applications.

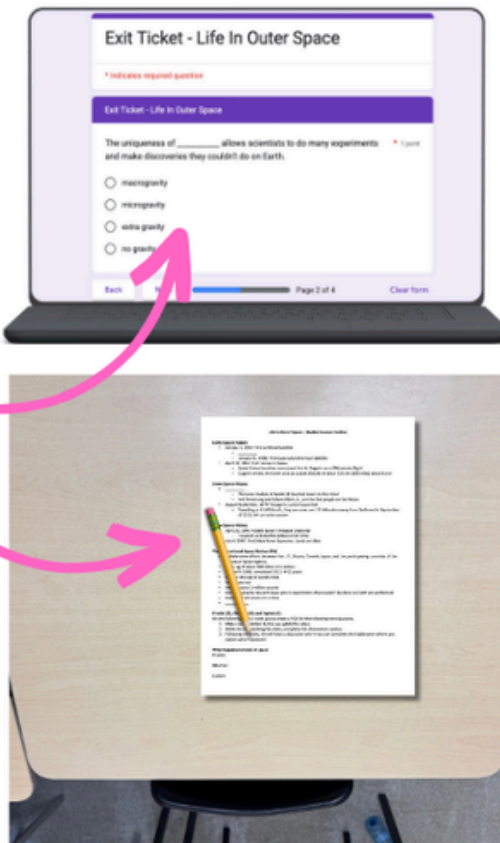
NO PREP

✓ **Simply Download and Project/Upload** to your class site.

✓ **Assessment Included**
4-question Exit Ticket and student notes

✓ **Interactive & Video-Enhanced**

✓ **Google, Office, & PDF**



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**A Complete, Fully-
Editable Lesson &
Student Notes**



**Teacher and Student
Versions of your Lesson
with 15 Embedded
Videos**



**Auto-Graded Exit Ticket
and Student Notes**

What You Get

LIFE IN OUTER SPACE LESSON

TEACHER & STUDENT VERSION



“

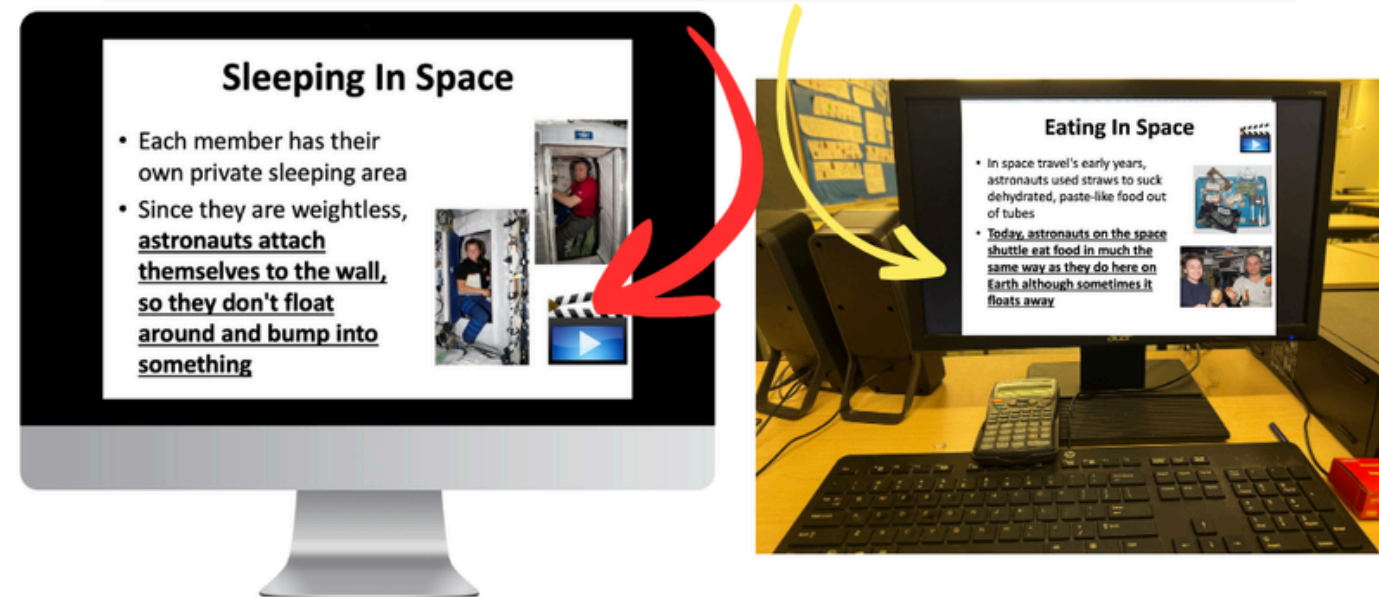
★★★★★ Extremely satisfied - The video links embedded within the powerpoint were a great addition to help my students better understand exactly how life on the international space station is different than it is on Earth.

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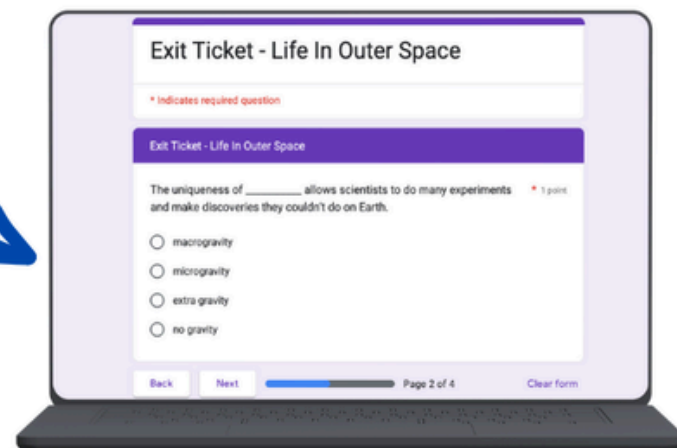
What Will Your Students Learn?

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

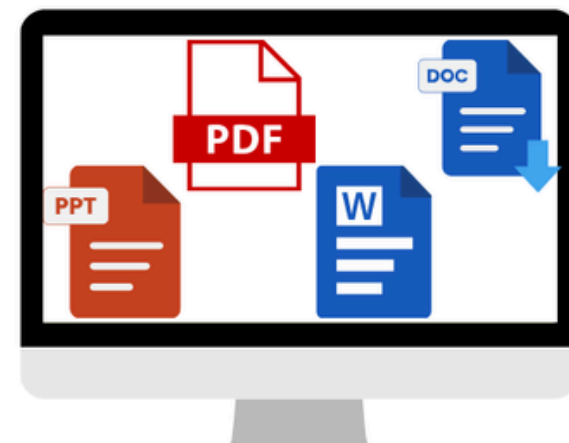
Videos Embedded



4-Question Auto-Graded Exit Ticket



Office, Google, and PDF Versions





Your Lesson

Life in Outer Space – Student Lesson Outline

Some Space History

- October 4, 1957: First Artificial Satellite
 - _____
 - January 31, 1958: First Successful American Satellite
- April 12, 1961: First Human in Space
 - Soviet Union launches cosmonaut Yuri A. Gagarin on a 108-minute flight
 - Gagarin circled the Earth once at a peak altitude of about 320 km (200 miles) above Earth

Some Space History

- _____
 - The lunar module of Apollo 11 touched down on the moon
 - Neil Armstrong and Edwin Aldrin, Jr., are the first people on the Moon
- August-September, 1977: Voyagers 1 and 2 Launched
 - Travelling at 62,000 km/h, they are now over 22 billion km away from Earth and in September of 2013, left our solar system

Some Space History

- April 25, 1990: Hubble Space Telescope Deployed
 - Has given us beautiful pictures ever since
- July 4, 1997: First Mars Rover Sojourner, Lands on Mars

The International Space Station (ISS)

- Collaborative efforts between the U.S., Russia, Canada, Japan, and the participating countries of the European Space Agency
- Price tag of about 100 billion U.S. dollars
- Started in 1998, completed 2011 → 13 years
- Is about the size of an NFL field
- Solar powered
- Weighs about 1 million pounds
- Our microgravity research base where experiments that could _____
- Home to 3 astronauts at a time
- _____

Predict (P), Observe (O) and Explain (E)

On the following slides I want you to create a POE for the following two

1. Make your Prediction before we watch the video.
2. While we are watching the video, complete the observation section
3. Following the video, we will have a discussion where you can discuss and explain what happened.

What happens to tears in space

Predict:

Observe:

Explain:



Student Notes in Word



1-Click Google Access

Google Access

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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

Google Classroom Ready One-Click Google Slides Access

Videos embedded in your slides

Teacher and Student Versions of the Lesson

LIFE IN OUTER SPACE LESSON TEACHER & STUDENT VERSION



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Videos Embedded



WHAT TEACHERS SAY

★★★★★ Extremely satisfied - The video links embedded within the powerpoint were a great addition to help my students better understand exactly how life on the international space station is different than it is on Earth.

★★★★★ Extremely satisfied - This is just what I was looking for to supplement my curriculum. Thanks so much!

★★★★★ Extremely satisfied - Thank you, used this across a range of classes as the basis of a PBL exercise. It was very useful.

★★★★★ Extremely satisfied - My students really enjoyed this resource. I found it to be well rounded and touched on a range of subjects that kids really want to know about space.

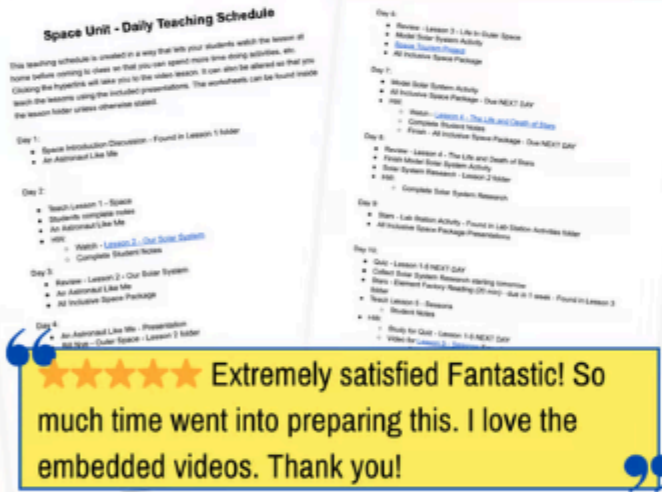
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★★★★★ Extremely satisfied - My students and I both loved this! So fun!

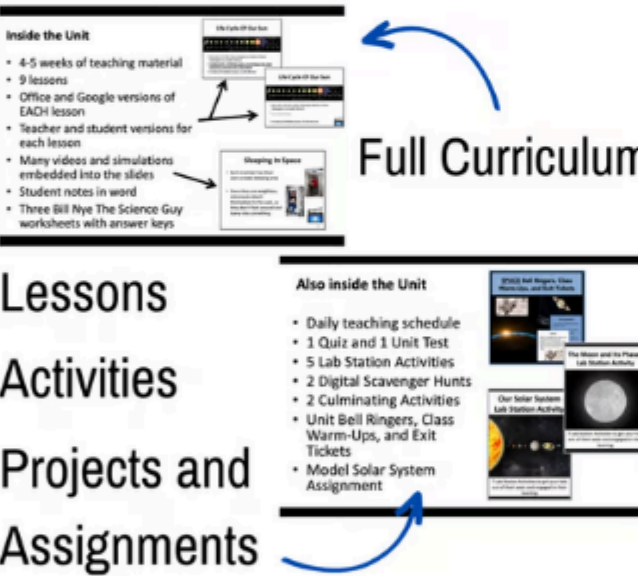
Upgrade to the Chemistry Mega Bundle

Get the lesson, teaching timeline, plus additional activities, and assessments inside my Space Unit.

NO PREP - DAILY TEACHING SCHEDULE



TEACHER FEATURES



THIS BUNDLE INCLUDES

- ✔ Lessons | Activities | 1 Quiz & 1 Unit Test
- ✔ Projects and Assessments Day-by-Day



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Space Unit BUNDLE

- ✓ Comprehensive 5 Week Unit - Lessons, Activities, Projects
- ✓ Include a Daily Teaching Schedule - **NO PREP**
- ✓ Ready-to-Use & Editable
- ✓ Aligned with NGSS Standards



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

