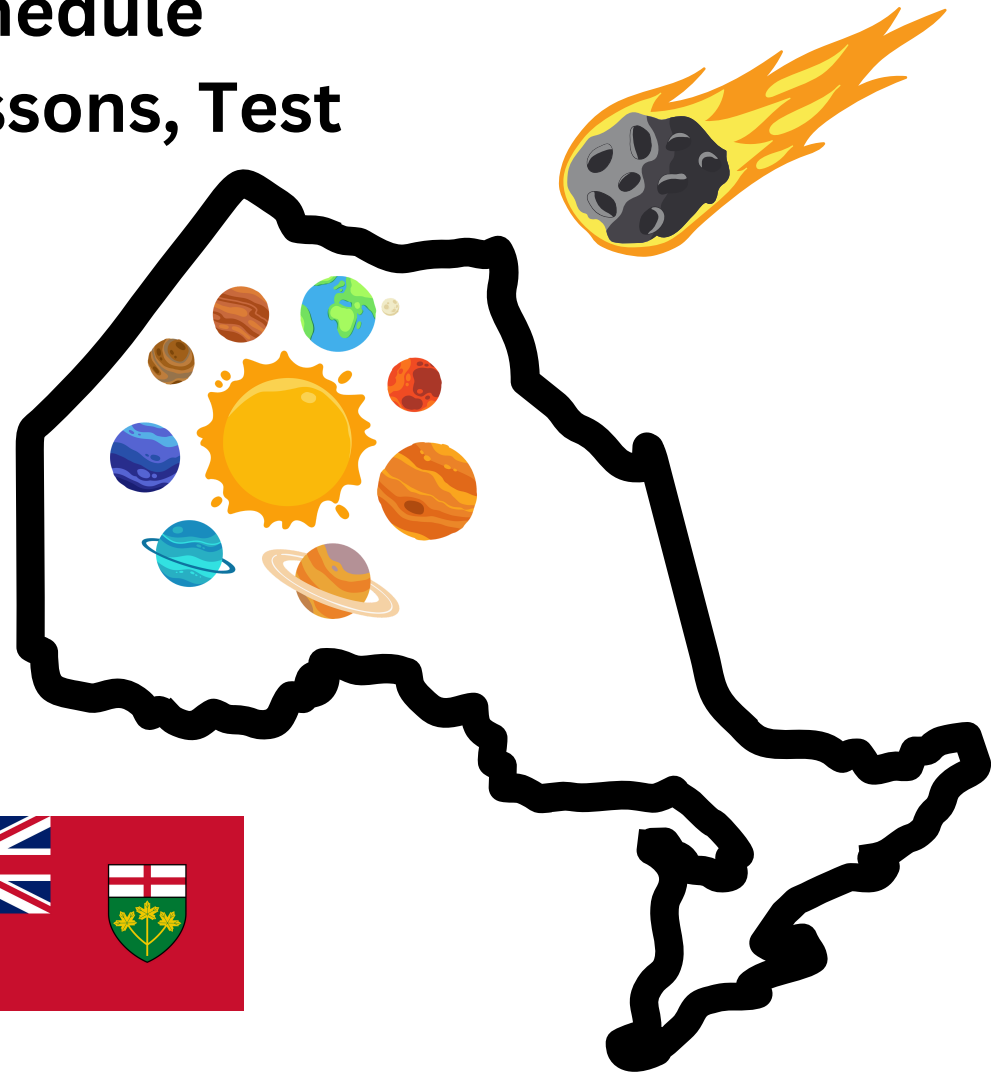
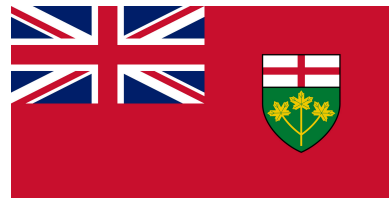


Ontario Grade 9 SPACE Unit

SNC1W - Destreamed

- ✓ Complete Grade 9 Ontario SPACE Unit
- ✓ Complete Daily Teaching Schedule
- ✓ Daily Teaching Schedule, Lessons, Test
- ✓ Editable & Digital Resources
- ✓ Save you over 75%



Lessons Included

Lesson 1 - Space - An Introduction

Lesson 2 - Our Solar System

Lesson 3 - Life in Outer Space

Lesson 4 - The Life and Death of Stars

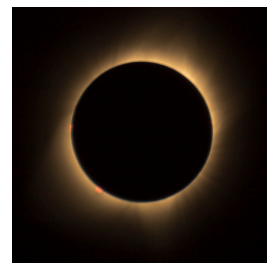
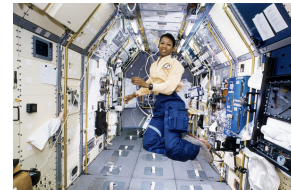
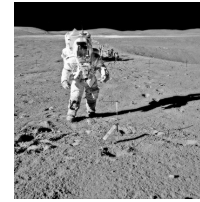
Lesson 5 - The Seasons & Earth's Tilt

Lesson 6 - The Moon

Lesson 7 - Eclipse - Solar and Lunar

**Lesson 8 - Galaxies, Other Objects,
and the Universe**

**Lesson 9 - The Immensity of the
Universe**



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.



Everything You Need to Teach 9th Grade SPACE in Ontario

- My daily teaching schedule which breaks down what to teach each day
- Lessons in PowerPoint and Google form
- Teacher and student versions of each lesson
- All quizzes and tests mentioned in the teaching schedule
- All activities and project - each one mentioned in the teaching schedule is include

The collage displays several educational materials:

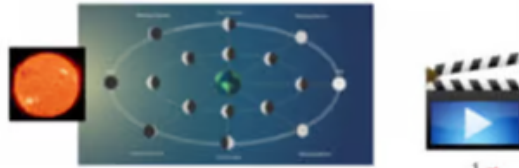
- Ontario Grade 9 Destreamed Science Space Unit:** A detailed daily teaching schedule for a 5-day unit. It lists specific activities, videos, and links for each day, such as "Micro-on Video - Space Microscopy" and "How Small the Air is in the Universe".
- Jupiter's Great Red Spot:** Two versions of a presentation slide. The top version is a teacher's version with more text and images, while the bottom version is a student version with a simplified layout. A red arrow points from the teacher version to the student version.
- Google Access:** A slide titled "Google Access" that provides instructions on how to use Google Classroom and One-Click Google Slides Access. It includes a green button that says "Click here to place a copy of your resources into your Google account".
- Phases of the Moon:** A slide titled "Phases of the Moon" that explains the common misconception that the phases of the Moon are caused by the shadow of the Earth. It states that the phases are the result of changing viewing angles throughout the month. It includes a diagram of the Moon's orbit around Earth and a video player showing the phases.

Red arrows indicate the flow of information and the relationship between the different resources, such as the link from the daily schedule to the lesson slides and the link from the Google Access slide to the Google Classroom Ready One-Click Google Slides Access.

Complete Lessons

Phases of the Moon

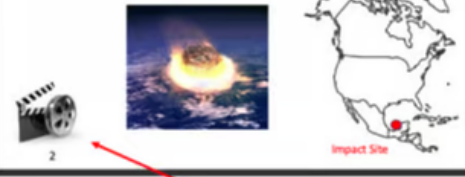
- A common misconception is that the phases of the Moon are caused by the shadow of the Earth
- Instead, the phases of the Moon are the result of changing viewing angles throughout the month



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

Asteroids

- Size ranges from 6 meters to 933 km
- Dinosaur killer ~ 10 km across
- Landed near the Gulf of Mexico



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

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**

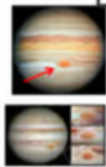
Jupiter's Great Red Spot

- 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



Jupiter's Great Red Spot

- Has a great red spot
- It is a storm that has been going on for at least 400 years
- _____



Teacher and Student Versions of the presentation

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



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



Teacher and Student Versions of the presentation

Activities, Project, Labs, Quizzes, and Test

Mission ExoLife: Designing a Self-Sustaining Colony

Overview:
You have been tasked by an interstellar space agency to design a sustainable human colony on a newly discovered exoplanet. You will be working in pairs.

Selecting the Exoplanet
Objective: Evaluate two hypothetical exoplanets and choose the best candidate for colonization.

Instructions: Answer the following 4 questions.

1. Define an exoplanet. On a paper by hand.
2. Describe what a habitable zone or "goldilocks zone" is? On a paper by hand.
3. What are the 5 things that make a planet habitable? Use the following site:
https://www.k5schools.com/education/exoplanet_placehab_ref_table.pdf
4. Using NASA's exoplanet catalog, find two exoplanets and fill in the chart by hand. This needs to be submitted separately: <https://science.nasa.gov/exoplanets/exoplanet-catalog/>. Each group gets a different page on NASA site to choose from.

	Exoplanet #1	Exoplanet #2
Mass of planet		
Size of planet		
Orbital Period		
Distance from the star (orbital radius)		
Planet Type		

Teacher Initial _____

5. Select one exoplanet to settle on and explain your decision based on the information you gathered in your research. You must use some creativity and describe the conditions for your planet based on the data you collected in the chart above. For example, the amount of sunlight, strength of winds, and geothermal activity. Use the information from the chart to make the connections you make.

Presentation
Present your findings and solutions to the "space agency panel" (i.e. the class) via a Google Slides presentation. The presentation should be between 4-6 minutes long and include answers to questions 1-5. When showing the characteristics of your planet (#4), you should display the NASA Exoplanet catalog page as part of your presentation or in a separate window that you refer to.

Exoplanet Project



Daily Minds-On Videos

The Life and Death of Stars Lab Station Activity



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

Stars - The Element Factories

Scientific Reading Comprehension Article



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

Scale Model Solar System Activity



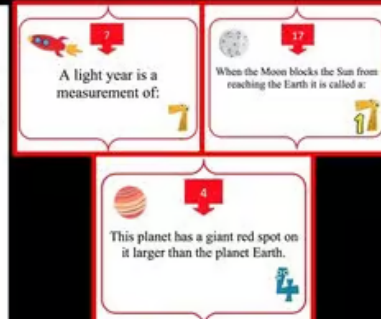
● **THREE VERSIONS** – Great for any grade level
● **Metric and Imperial measurements included**

Space – The Study of the Universe

Task Card Review Activity

- This 20 Task Card Resource is unique. It can be utilized in a clue gathering, puzzle solving, highly active and engaging activity or as an alternative to worksheet review.

- Covers all topics found within my Space Unit resource



Task Card 7: A light year is a measurement of: 7

Task Card 17: When the Moon blocks the Sun from reaching the Earth it is called a: 17

Task Card 4: This planet has a giant red spot on it larger than the planet Earth. 4

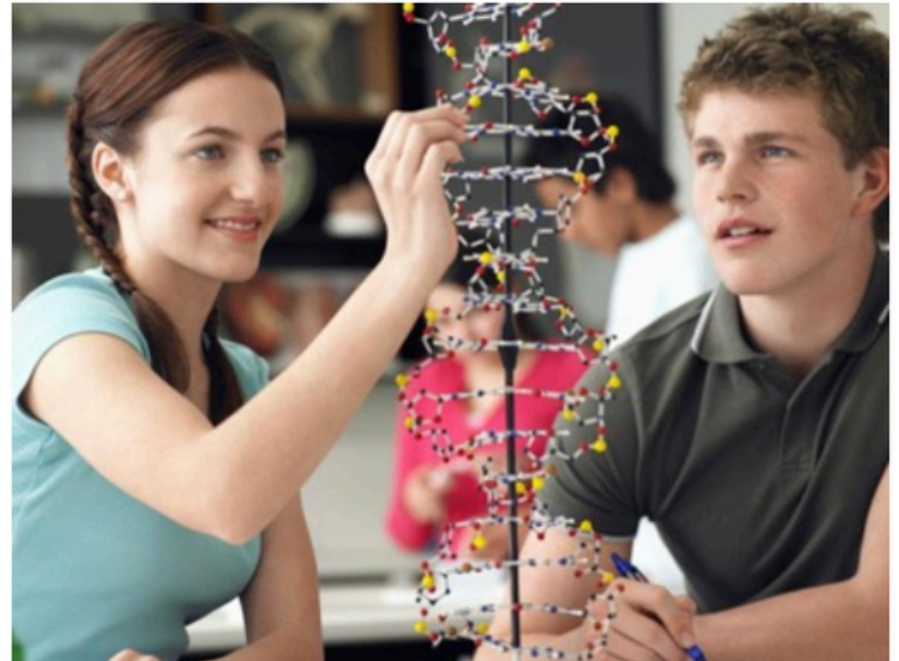
Who is this Unit for?

- **Teachers who teach grade 9 destreamed science in Ontario**
- **Teachers who want a no-prep, ready to go out of the box unit**
- **Teachers who don't have time to plan out their Unit**

Get away from tired practices and unengaged students



Provide a Scientifically-Proven means of instruction



Incorporate Technology and Increase Collaboration

