Teacher Resource

Artemis II Launch

Focus Questions

Discuss the BTN story as a class and record the main points of the discussion. Students will then respond to the following:

1. What significant event happened on the 20th of July 1969?
2. What is the aim of the Artemis program?
3. What are some of the challenges of getting to the Moon?
4. In your own words, explain the Artemis II mission.
5. Do you think the Artemis missions are important? Give reasons for your answer.

Class Discussion

Discuss the information raised in the BTN Artemis II Launch story. Record the main points of the discussion on a mind map. Here are some questions to guide the discussion:

- What do you know about the Moon? Brainstorm a list.
- What does the Moon look like?
- When was the last time we landed on the Moon?
- Why are they planning another mission to the Moon?
- What makes the Moon special? Discuss as a class.
- Think of three questions you have about the BTN story.

Activity: Q&A

Are you curious about the Moon? Students will make a list of questions they have about the BTN story. Students will use the internet to find answers to their questions and share their findings with the class.

- *What is the dark side of the Moon?*
- *Why can you sometimes see the Moon during the day?*
- *What are Moonquakes?*
- *How old is the Moon and how did it form?*

EPISODE 2
10 February 2026

KEY LEARNING
Students will investigate the Moon and its relationship with Earth.

CURRICULUM

Science – Year 5
Scientific understandings, discoveries and inventions are used to solve problems that directly affect peoples' lives.

The Earth is part of a system of planets orbiting around a star (the sun).

Science – Years 5 & 6
Scientific knowledge is used to solve problems and inform personal and community decisions.

Science – Year 6
Describe the movement of Earth and other planets relative to the sun and model how Earth's tilt, rotation on its axis and revolution around the sun relate to cyclic observable phenomena, including variable day and night length.

Science – Year 7
Model cyclic changes in the relative positions of the Earth, sun and Moon and explain how these cycles cause eclipses and influence predictable phenomena on Earth, including seasons and tides.

Ask a Space Communicator – Australian Space Agency

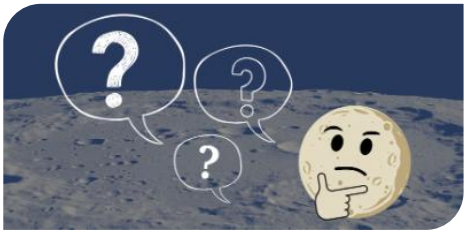
Short on time? This 15-minute Q&A with a Space Communicator from the Australian Space Agency is a perfect way to build space knowledge in your classroom.

Link to Ask a Communicator

Top Moon Questions – NASA

What do you wonder? Some of your frequently asked Moon questions, answered.

Link to Top Moon Questions



Source: NASA

Activity: Graphic Organisers

Graphic organisers are a helpful learning tool for students to organise, clarify, or simplify complex information. Students will choose one type of graphic organiser to help them explore, understand and analyse our solar system and the importance of space exploration.

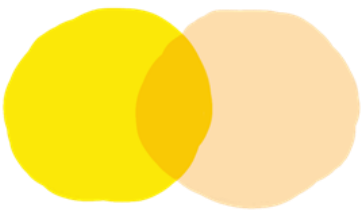
Venn Diagram

Purpose: To compare the similarities and differences between two or more things.

Procedure: Write the items being compared in the circles. Where the circles overlap, record similarities. Record the characteristics which are different in the areas that do not overlap.

Activity: Compare the similarities and differences between:

- the Moon and Earth
- the Apollo 11 mission and the Artemis program



Mind Map

Purpose: To assist in activities that involve planning, brainstorming, making notes, organising or problem solving.

Procedure: An issue or topic is written in the centre. Related ideas are linked to the central issue and other ideas are developed from these.

Activity: Use a mind map to record what you know about:

- the Moon
- the Artemis program

KWL Chart

Purpose: To help organise your thoughts before, during, and after a learning exercise.

Procedure: Identify what you know about a topic. Then, think about what you want to research or learn. After the lesson, reflect on what you have learned.

Activity: Use a KWL chart to organise information about the missions to the Moon.

What do I know?	What do I want to know?	What have I learnt?

Activity: Quiz

1. **How many moons does Earth have?**

A. 1

B. 2

C. 3

2. **How often does the Moon orbit Earth?**

A. Every 24 hours

B. Every 27.3 days

C. Every 365 days

3. **The Moon is a…**

A. Planet

B. Natural satellite

C. Star

4. **Which of the following is true regarding the Moon's size within our solar system?**

A. It is the largest moon

B. It is the 3rd largest moon

C. It is the 5th largest moon

5. **What was the name of the first successful mission to land on the Moon?**

A. Artemis I

B. Aquarius

C. Apollo 11

6. **Who discovered the Moon?**

A. Edwin Hubble

B. Galileo Galilei

C. Isaac Newton

7. **What do we call the side of the Moon that faces away from Earth?**

A. Far side of the moon

B. Over the moon

C. Once in a blue moon

8. **What is the Latin word for moon?**

A. Luna

B. Solis

C. Stella

9. **Is there weather on the Moon?**

A. Yes

B. No

10. **The Moon makes its own light.**

A. True

B. False

Quiz Answers:
1A, 2B, 3B, 4C, 5C, 6B, 7A, 8A, 9B, 10B

Activity: Launch with TEDEd

What would it be like to live on the moon?
Watch this TEDEd video to learn more!

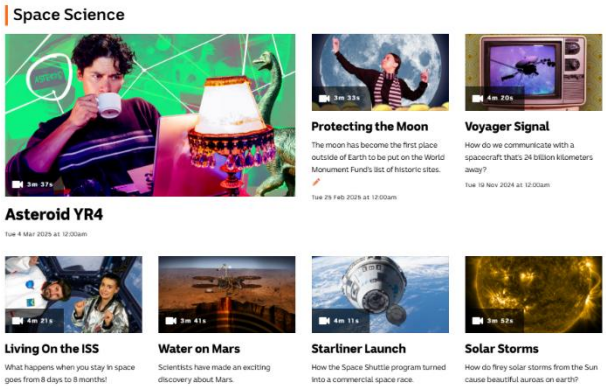
The moon illusion
Watch this TEDEd video to learn more!

BTN Space Science stories

Visit BTN's collection of stories which focus on space science and space exploration. After watching any one of the BTN videos ask students to respond to the discussion questions.

To find the discussion questions and teacher resources go to the related BTN Classroom Episode and download the Episode Package.

Link to BTN's collection of Space Science stories



Useful Websites

- Artemis II – BTN Newsbreak
- Moon Facts – NASA
- Obverse the Moon light (Activities) – NASA
- Design your own Mission to the Moon! (teacher's guide) – Australian Space Agency
- The Moon – NASA
- Artemis II – NASA