



Teacher Resource

Protecting the Moon

Focus Questions

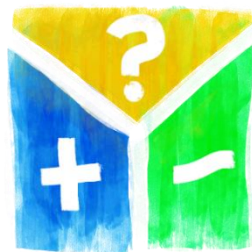
Discuss the BTN story as a class and record the main points of the discussion. Students will then respond to the following:

1. What makes the Moon special? In pairs brainstorm a list.
2. In what year did humans first walk on the Moon?
 - a. 1959
 - b. 1969
 - c. 1979
3. The Moon has been listed as a vulnerable site. True or false?
4. Give an example of an artefact found on the Moon.
5. Do you think the Moon should be protected? Give reasons for your answer.

Activity: Note taking

Students will practise their note-taking skills while watching the BTN Protecting the Moon story. After watching the story, ask students to reflect on and organise the information into three categories. What information in the story was...?

- Positive
- Negative or
- Interesting



Class Discussion

Discuss the information raised in the BTN Protecting the Moon 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 makes the Moon special?
Discuss as a class.
- What are some threats to the Moon?
- Do you think the Moon should be protected? Why or why not?
- Think of three questions you have about the BTN story.



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KEY LEARNING

Students will learn more about potential threats to the Moon and explore reasons for protecting it.

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

The growth and survival of living things are affected by the physical conditions of their environment.

Activity: Key words

Students will brainstorm a list of key words that relate to the BTN Protecting the Moon story. Here are some words to get them started.

Monument

Exploration

Lunar surface

Preserve

Vulnerable

Artefacts

Protect

Space tourism

Ask students to write what they think is the meaning of each word (including unfamiliar words). They will swap definitions with a partner and ask them to add to or change the definition. Check these against the dictionary definition.

Activity: Moon Research

Discuss the information raised in the BTN Protecting the Moon story. What questions were raised in the discussion and what are the gaps in students' knowledge? Students will develop their own question/s to research or choose one or more of the questions below.

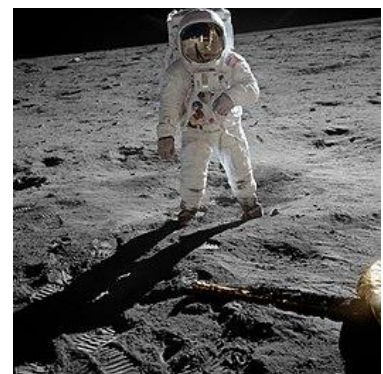
- What impact could future space exploration and commercial activities (mining, tourism) have on the Moon?
- What are some potential threats to the Moon?
- Should sites beyond Earth be protected like sites on Earth? Give reasons for your answer.
- How can we continue to explore the Moon without damaging it?
- Should the Moon belong to everyone, or can some countries claim parts of it? Explain your answer.
- What resources are found on the Moon and why might people want to mine them?
- Should mining on the Moon be allowed? Give reasons for your answer. Who owns the Moon's resources?

Create a profile of Earth's Moon. Include information about the distance from Earth, how long it takes to orbit Earth, temperatures and geographical features. Include any other interesting facts you find.

Activity: Apollo 11 Mission

The Apollo 11 mission marked the first time that humans landed on the Moon. Students can watch the [BTN Apollo 11 story](#) to learn more about the mission and answer the following questions:

- Summarise the mission.
- What was the purpose of the mission?
- Who was the crew? What were their roles?
- What did the mission discover?
- How has the mission helped us understand the Solar System and beyond?
- What were some challenges of the mission?
- Do you think landing on the Moon is one of humanity's greatest achievements? Give reasons for your answer.

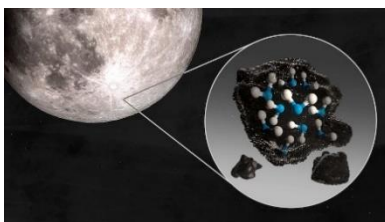


Activity: BTN Moon stories

As a class watch one or more of the following BTN stories to learn more about the Moon. After watching any one of the BTN videos ask students to respond to the discussion questions (to find the teacher resources go to the related BTN Classroom Episode and download the Episode Package).



[Moon Landing Special](#)



[Moon Water Discovery](#)



[Moon Exploration](#)



[Artemis Launch](#)



[Moon Living](#)



[SpaceX Launch](#)



[New Moon Race](#)

Useful Websites

- [Moon placed on World Monument Fund list of heritage sites in need of protection](#) – ABC News
- [Who protects the Apollo sites when space law says no-one owns the Moon?](#) – ABC News