



Moonbase: The Next Step 2D

Upper KS2 / KS3; duration: 30 minutes; pre-recorded

It has been over 50 years since humankind last set foot on the Moon and now we may be going back to stay. MOONBASE: THE NEXT STEP tells the story of how we might accomplish this incredible feat, visualising the scientific and technological advances needed to safely travel 250,000 miles and survive the hostile and alien conditions.

What will it take to make the Moon a home? Can we explore the vast landscape and extract the resources needed to live there on a permanent basis?

Follow the story of what could happen and ask yourself; is the Moon in your future?

Key Words:

Space. Moon. Earth. Astronaut. Space Travel. Craters. Solar Power.

Learning objectives. Students will:

Gain an understanding of how hostile the Moon is to life.

Gain an understanding of what humans will need to survive in such a hostile environment, and how science and technology may help to meet these needs.

Consider what the reasons may be for humanity going to the Moon, how they personally feel about humanity going to the Moon, and if going to the Moon is a worthwhile pursuit for humanity.

Content:

Over the coming years, the US led Artemis missions will take the first step towards establishing an international, crewed Moon base. But living permanently on the Moon will not be easy.

Based on the current plans of the US and its international partners, MOONBASE: THE NEXT STEP takes us on a journey through the next 100 years.

Audiences will see technologies that are currently in development, or which have been proposed as realistic solutions to the challenges raised by the Moon environment.

Curriculum Links:

KS2

Earth & Space

Describe the Sun, Earth, and Moon as approximately spherical bodies.

KS3

Energy

Fuels and energy resources.

Potential Hazards and Accessibility

There are no potential hazards associated with this show.

Related activities

Exhibits: Ground floor exhibits under the theme '*Is there another me in the Universe*'.

Workshops: Earth, Sun, & Moon, KS2 Destination Space.

Science Shows: Launch It!