



Year  
1

# Moon Zoom

## Space

### Knowledge Organiser

#### Retrieval Facts

What I need to know to help me with this topic

What is a collage? What materials can be used in a collage?  
Why is Sir Francis Beaufort significant? What does it mean to be significant in history?  
Where is the UK?  
What are the sea names?  
What is a pitch pattern?  
What is an intended user when designing a product in DT?  
What is an algorithm?

#### Gr8! Words

Key Vocabulary you will learn and use:

Word	Definition
Explorer	Someone who travels somewhere to see what it is like.
Space	Where our solar system is.
Past	Something that has already happened.
Astronaut	A person who is trained to travel into space.
Satellite image	An image from above.
E-mail	Messages sent electronically from a computer, tablet or phone.
Djembe	An African drum
Agbê	A percussion instrument played by pressing/ shaking it to make the surrounding beads move and make a sound.

#### Key Locations



Our Solar System is in space. It is made from the Sun which is a star. Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune are all planets which orbit (go around) the Sun.



Ghana is in the continent of Africa



Brazil is in the continent of South America

#### Wider Reading

*Beegu* by Alexis Deacon



*Man on the Moon: a day in the life of Bob* by Simon Bartman

*First Explorers* by Campbell Books

#### Lesson Sequence

Find physical features on a satellite image of Earth- Geography  
Know why people began to explore space- History  
Use charcoal to draw- Art  
Know what wheels and axles are- DT  
Know how iPads work- Computing  
Listen and respond to different styles of music (Ghana: Kye Kye Kule)- Music  
Understand chronology in the history of space travel- History  
Create a 3D model of a planet using collage materials- Art  
Design a moon buggy that has a wheel and axle mechanism- DT  
Use technology to draw a picture and save our work- Computing  
Perform as a group using different pitch and rhythms-Music  
Know why Yuri Gagarin is important in history of space travel- History  
Use wheels and axles to make a moving moon buggy- DT  
Know what an e-mail is- Computing  
Listen and respond to different styles of music (Brazil, Samba: Fanfarra (Cabua-Le-Le / Sergio Mendes)- Music  
Know why Neil Armstrong is an important person in History- History  
Add features to my design to make it look like a moon buggy- DT  
Send an e-mail- Computing  
Perform as a group using different rhythms and movements- Music  
Know how to test and improve our designs- DT  
Input an algorithm into a robot to make it move- Computing  
Compose rhythmic sounds for a story- Music  
Write a simple program- Computing  
Use my voice creatively- Music  
Debug a program- Computing

#### Key Questions you will be able to answer

- Why did humans start to explore space?
- What is a wheel and axle mechanism and how does it work?
- What are different styles of music from around the world?
- What planets are in our solar system?
- How do you draw and save work using technology?
- What is an email?
- Where were Neil Armstrong and Yuri Gagarin?
- How do you use your voice creatively in music?



# Sticky Knowledge



1. Animals were sent into space before humans because scientists did not know how safe space travel was.
2. Yuri Gagarin was the first man to travel into space. He orbited the Earth.
3. Neil Armstrong was the first man to walk on the moon.
4. Physical features in geography are naturally created features of the Earth, for example: seas, oceans, islands, rivers, lakes, mountains, beaches.
5. A pitch pattern is when you put a mix of high and low notes together to make a pattern
6. Rhythmic pattern- a pattern of beats. Some short, some long, arranged into different orders.

## Homework Menu

Date to be returned: Friday 1<sup>st</sup> July

Can you research a style of music and perform it for your family/write the lyrics?

Make a painting/sculpture of a planet.

Research one planet in our solar system and write 3 facts about it.