

# Moon Zoom

SCIENCE

HISTORY

DT

GEOGRAPHY

Sticky Knowledge

Timeline of astronaut exploration

Laika- first dog on the moon

Yuri Gagarin- First human in space

Neil Armstrong & Buzz Aldrin - First humans in space

Launch of Hubble- first telescope

Helen Sharman- First British person in space.

Final launch of NASA space craft

Who were famous people in space?

**Yuri Gagarin**- He was a Russian pilot and an astronaut. He is famous for being the first man to go into space on 12th April 1961. First human to survive space travel.



**Neil Armstrong**- He was an American astronaut. He was the first man to walk on the moon on 20th July 1969. First humans to walk on the moon.



**Buzz Aldrin**- He joined Neil Armstrong on the first moon landing and was the second person to walk on the moon after Neil Armstrong. First humans to walk on the moon.



**Helen Sharman**- Flew into space aboard the Soyuz TM-12 and was the first British person in space in 1991. Showed that British people could contribute to space travel.



1957 1961 1969 1990 1991 2011

What is an astronaut?

An astronaut is a person trained to travel into space. They have to train for a long time. Astronauts travel into space in a rocket. Some astronauts have visited the Moon. Others have orbited Earth or visited the International Space Station.

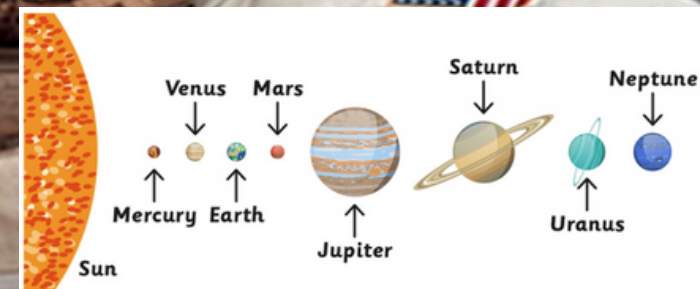
What is a moon?

A moon is a natural object that orbits a planet. Earth has one moon. Mars has two moons and Jupiter has over 60 moons. Earth's moon is made from rock. The Moon does not give off light. It reflects the sun's light like a mirror. The Moon is always in the sky but the sun shines so brightly in the day that it is hard to see.

What is the Solar System?

Our Solar System is made up of the sun and everything that orbits around it. There are eight planets in our Solar System. They are called Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. Mercury is closest to the sun and Neptune is furthest away. There are also asteroids, moons and dwarf planets in our Solar System. Pluto is a dwarf planet.

We live on Earth. Earth is the third planet from the sun. It is the only planet in the Solar System where life is currently found.



# Moon Zoom

SCIENCE

HISTORY

DT

GEOGRAPHY

Sticky Knowledge

Key Vocabulary

What is a material?

A material is anything used to build or make something from. Objects can be made from many kinds of materials. Materials have different properties so they can be used in a range of ways. Some objects are made from more than one material.

Types of materials:

Wood- Wood is hard, strong and can be cut. It is used to make houses and furniture.



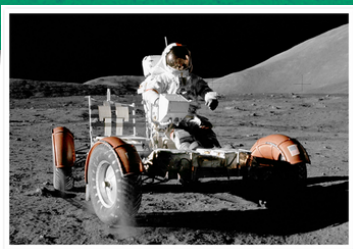
Plastic- Plastic can be made into any shape. It can be soft or hard. It is used to make toys and bottles.



Glass- Glass is transparent and waterproof. It can be made into different shapes. It is used to make windows.



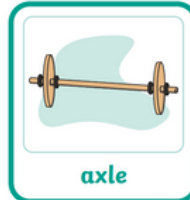
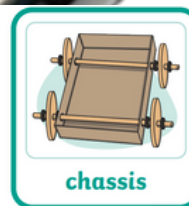
Metal- Is very strong, hard and shiny. It can be made into different shapes. It is used to make cars and coins.



Word	Meaning
Asteroid	A large rock that orbits around the sun.
Axel	A rod that connects a pair of <u>wheels</u> , allowing them to turn and move the vehicle.
Chassis	The frame of the vehicle.
Opaque	Not possible to see through.
Orbit	A curved path in space around a planet or a star.
Planet	A large spherical object in space that moves around the sun or another star.
Rocket	A vehicle or object that is launched into space by a powerful rocket engine.
Space	The universe beyond the Earth.
Star	A huge ball of hot gas. The sun is a star.
Transparent	A property of a material meaning light can pass through it, and it can be seen through.
Waterproof	A property of a material meaning that water can pass through it.
Wheels	Circular <u>tyres</u> attached to the axel of a vehicle.

Moon Buggies

A moon buggy, or lunar roving vehicle was used to transport astronauts on the surface of the Moon. It had a battery-powered motor and four special wheels that could move easily over the dusty surface. The chassis held some of the equipment the astronauts needed.



Types of direction-You can move in different directions.

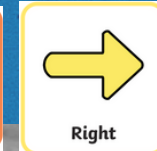
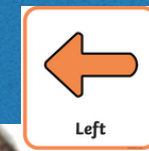
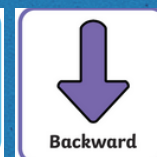
Here are some of directions:

North/forward

South/backward

East/left

West/right



Here are some types of landmarks:

Mountains

Rivers

Forests

Cities

CONNECTED CURRICULUM

