

Key Vocabulary

orbit	A path followed by an object such as a spacecraft or planet as it moves around a planet or star.
atmosphere	The air that surrounds and protects the Earth.
Space Race	The 'Space Race' was the name given to the competition between the USA and the Soviet Union to put the first man in space. The end goal was to land on the Moon.
rocket	A rocket may be a missile, spacecraft, aircraft or other vehicle which is pushed by a rocket engine.
re-entry	Re-entry is used to refer to the moment when a spacecraft comes back into the Earth's atmosphere after being in space.
mission	A journey, by a manned or unmanned vehicle, into space for a specific reason.
launch	Start or set in motion a vehicle, usually a rocket, into space.
astronaut	A person who is trained to travel in a spacecraft.
satellite	A satellite is an object that has been sent into space to collect information.
Milky Way	It is made up of over 200 billion stars. It is around 13.6 billion years old. It is home to our solar system.
optical	The word optical means things to do with seeing. Can you think of another words that starts in the same way as optical?
telescope	A telescope is an optical instrument which makes things far away seem nearer.

Famous People

Neil Armstrong
1930-2012



Neil Armstrong was the first person to set foot on the Moon. It happened on 20th July 1969. The first words he said were, "The Eagle has landed."

Galileo
1564-1642



Galileo created powerful telescopes and made some amazing discoveries. He was a great inventor and even carried on inventing after he had gone blind.

Katherine Johnson
1918-2020



Katherine Johnson was an American mathematician. Her work helped to send astronauts to the Moon.

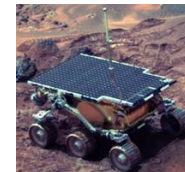
Galileo's Discoveries

1. The Moon does not have a smooth surface.
2. Venus orbits the Sun.
3. Jupiter has moons orbiting it.
4. The Earth is not at the centre of the solar system.
5. The Milky Way is not just a band of light in the sky.

Missions to Mars

Different robotic rovers have been sent to find out more about Mars.













Sojourner Rover 1997



Perseverance Rover 2021

History of Space Travel Year 2 Knowledge Organiser

Timeline of Historical Events

1608	Galileo develops a powerful new telescope.		1669	The Moon Landing Neil Armstrong and Buzz Aldrin became the first people to walk on the moon.	
1610	Galileo discovers the four moons of Jupiter.		1991	Helen Sharman became the first British astronaut in space.	
1949	The first monkey was sent to space. His name was Albert II and he flew 83 miles away from Earth!		1996-1997	Mars Pathfinder was launched 4 th December 1996 and landed on Mars on 4 th July 1997. It was the first ever robotic rover to land on Mars.	
1953	Katherine Johnson began working for NACA (now called NASA).		2001	Dennis Tito became the first tourist in space.	
1955	The Space Race between the USA and the Soviet Union began.		2015	Scientists find evidence of water on Mars.	
1957	The first animal goes around Earth in space. It was a dog named Laika.		2015	Tim Peake became the first British astronaut to visit the International Space station.	
1961	The first man in space was Yuri Gagarin from the Soviet Union.		2021	'Perseverance', a four-wheeled robotic rover, landed on Mars.	
1963	The first woman in space was Valentina Tereshkova from the Soviet Union.		2023	The European Space Agency launched a spacecraft that is expected to reach the moons of Jupiter by 2031.	