

Pilgrim Primary Academy Knowledge Organiser

Topic: History of Time and Space

Year Group: 5

Strand: Science and History

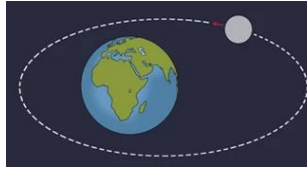
What I should already know:

- how the Victorians' advanced technology
 -the names of everyday materials and know some of their properties
 -I recognise light from the sun can be dangerous and can find ways to protect my eyes.

What will I know by the end of the unit?

-describe the movement of the Earth, and other planets, relative to the Sun in the solar system
 -describe the movement of the Moon relative to the Earth
 -use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.
 -A study of historical events that have changed the world.

Key Knowledge/Facts

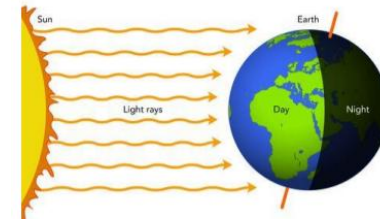


The Moon

The Moon is a large natural object that travels around Earth.

Day and Night

The Earth rotates one complete turn every 24 hours to give us day and night.



Daytime occurs when the side of the Earth is facing the sun and night occurs when the side of the Earth is facing away from the sun..

Key Vocabulary and definitions:

| | |
|---------------------|--|
| planet | A large object that orbits a star and does not emit its own light. |
| rotate | To spin. E.g. Earth rotates on its own axis. |
| solar system | The solar systems contains the sun and everything that orbits, or travels around, the sun. . |

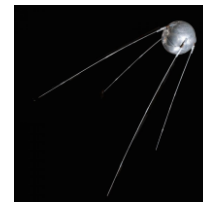
Key knowledge / Facts

Here are the planets in our solar system. They are ordered by their distance from the sun:

Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.



Astronauts and Space Missions



-The first man-made satellite to orbit Earth was called Sputnik and was launched by the Soviet Union in 1957.



-Yuri Gagarin was the first human in space in 1961. Neil Armstrong was the first person on the moon in 1969.