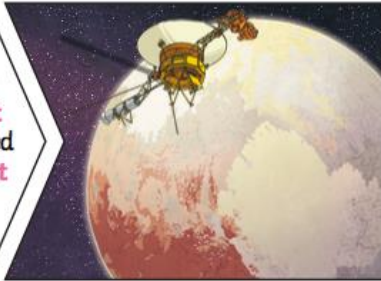


# Mill Hill Primary School Earth & Space Knowledge Organiser

## Local Links

William Herschel moved to Sunderland in 1761. He played violin in a Newcastle orchestra. He wrote a Symphony No. 8 in C Minor. He was head of the Durham Militia band from 1760 to 1761. He is known for the discovery of Uranus, infrared radiation and deep space surveys. He was the first president of the Royal Astronomical Society.

Pluto used to be considered a planet but was reclassified as a dwarf planet in 2006.



## Vocabulary

Orbit	The curved path of an object around a star
Rotation	To turn or spin
Solar system	A series of planets which orbits a star
Planet	A celestial body that revolves around the sun
Axis	A real or imaginary line on which something rotates
Galaxy	A huge collection of gas, dust and billions of stars and their solar systems
Sun	The star at the centre of a solar system
Lunar	Relating to the moon
Universe	Everything that exists anywhere
Spherical	Shaped like a sphere
Celestial body	An object in space
Satellite	Any celestial body orbiting around a planet or star

## Life Science Centre

Drift away from Earth and up into the stars for a magical experience in the biggest planetarium in the North at the Life Science Centre. See eye-popping space films and visuals in high definition detail, and real-time live views of the universe; whizz through the universe and touch down on planets to investigate their surfaces. During the Live Skies planetarium shows presenters take you on a guided tour of the universe and tell rapt audiences about current space missions.

## Significant People

**Yuri Gagarin** - First man in space on the VOSTOK 1 spacecraft in 1951

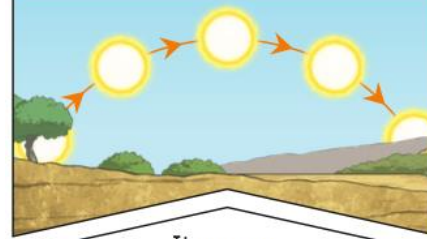
**Valentina Tereshkova** - First woman in space on VOSTOK 6 in 1963

**Neil Armstrong** - First man on the Moon in APOLLO 11 in 1969

**Mae Carol Jemison** - First African American woman to travel to space in 1992

**Tim Peake** - Most recent Briton to go into space in 2015

## Key Knowledge

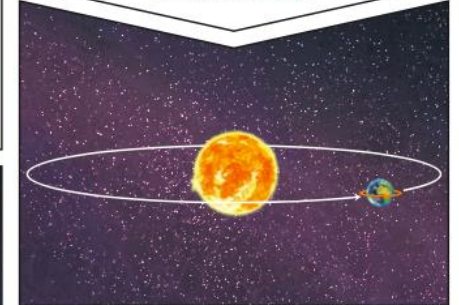


It appears

to us that the Sun moves across the sky during the day but the Sun does not move at all. It seems to us that the Sun moves because of the movements of Earth.



Earth **rotates** (spins) on its **axis**. It does a full **rotation** once in every 24 hours. At the same time that Earth is **rotating**, it is also **orbiting** (revolving) around the **Sun**. It takes a little more than 365 days to **orbit** the **Sun**. Daytime occurs when the side of Earth is facing towards the **Sun**. Night occurs when the side of Earth is facing away from the **Sun**.



The **Moon** **orbits** Earth in an oval-shaped path while spinning on its **axis**. At various times in a month, the **Moon** appears to be different shapes. This is because as the **Moon** **rotates** round Earth, the **Sun** lights up different parts of it.



My Very Easy Method Just Speeds Up Naming