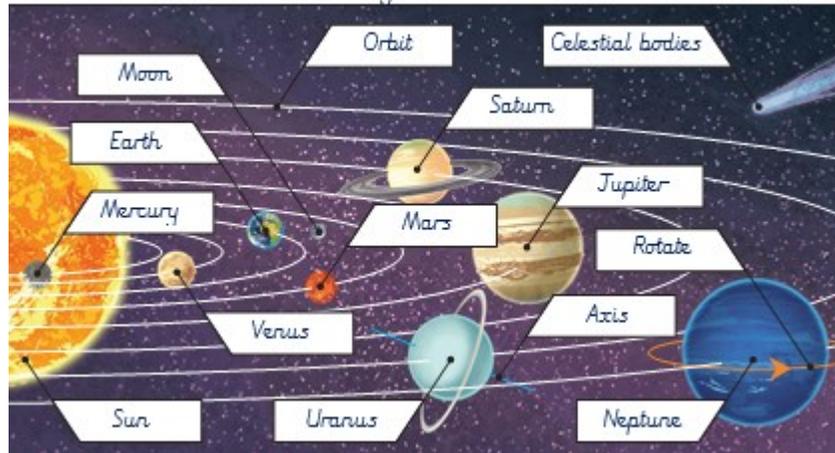


Year 5 - Term 2 - Earth and Space

Our Solar System (not to scale)



In Term 2 we will be working Scientifically to plan an enquiry using a shadow stick.

We will take accurate measurements of shadows formed, deciding how best to record our data and present our findings.

What should I know?

Year 5 should have an idea of planets names and atmospheres in the solar system with an understanding that we live on Earth - other planets aren't habitable.

Mercury, Venus, Earth and Mars are rocky planets. They are mostly made up of metal and rock.

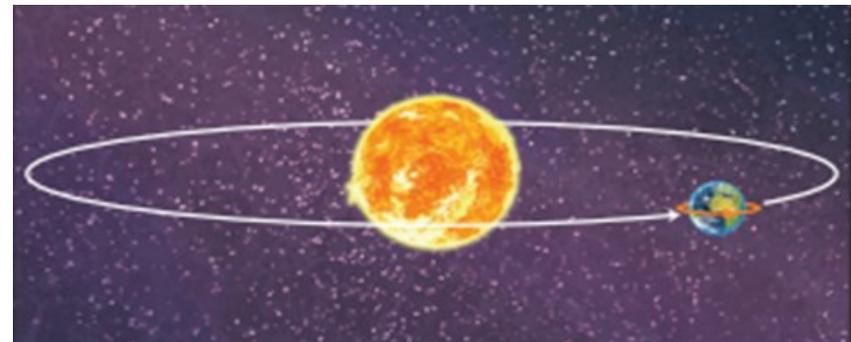
Jupiter, Saturn, Uranus and Neptune are mostly made up of gases (helium and hydrogen) although they do have cores made up of rock and metal.

Daytime occurs when the side of Earth is facing towards the Sun.

Night occurs when the side of Earth is facing a way from the Sun.

Key Vocabulary

Orbit	To move in a regular, repeating curved path around another object - revolving.
Rotate	To spin. E.g. Earth rotates on its own axis.
Axis	An imaginary line that a body rotates around. EG - Earth's axis (imaginary line) runs from the North Pole to the South Pole.
Geocentric model	A belief people used to have that other planets and the Sun orbited around Earth.
Heliocentric model	The structure of the Solar System where the planets orbit around the Sun.
Astronomer	Someone who studies or is an expert in astronomy (space science).



Earth rotates 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 around the Sun.

It takes a little more than 365 days to orbit the Sun.