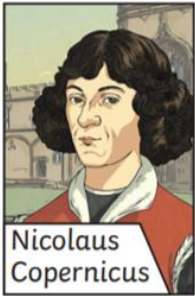


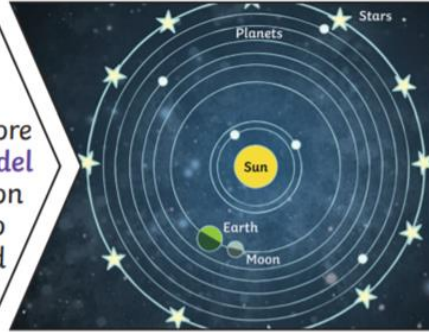
SCIENCE

EARTH & SPACE



Nicolaus Copernicus

The work and ideas of many **astronomers** (such as Copernicus and Kepler) combined over many years before the idea of the **heliocentric model** was developed. Galileo's work on gravity allowed **astronomers** to understand how **planets** stayed in **orbit**.

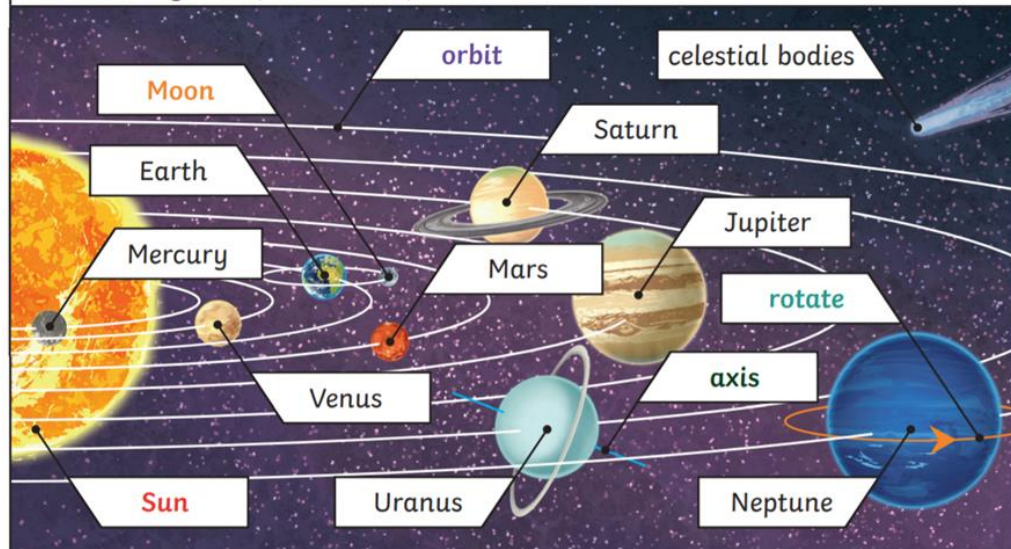


Vocabulary		
Sun	Sphere	Solar System
Moon	Spherical Bodies	Rotate
Star	Orbit	Axis
Geocentric Model People believed that other planets & the sun orbited the earth	Heliocentric Model The Structure where the planets orbit the sun	Astronomer Someone who studies or is an expert in astronomy (Space)

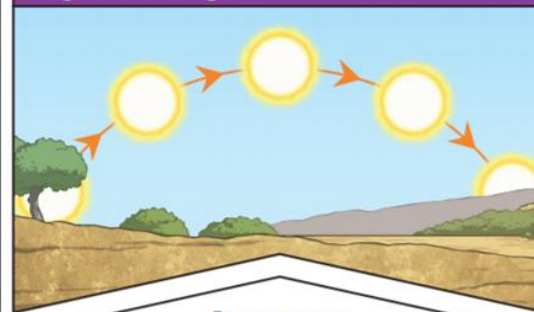


The **Moon** orbits Earth in an oval-shaped path while spinning on its **axis**. At various times in a month, the **Moon** appears to be different shapes. This is because as the **Moon** rotates round Earth, the **Sun** lights up different parts of it.

Our Solar System (not to scale)



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**.

