

Earth and Space Knowledge Organiser Cherry Class

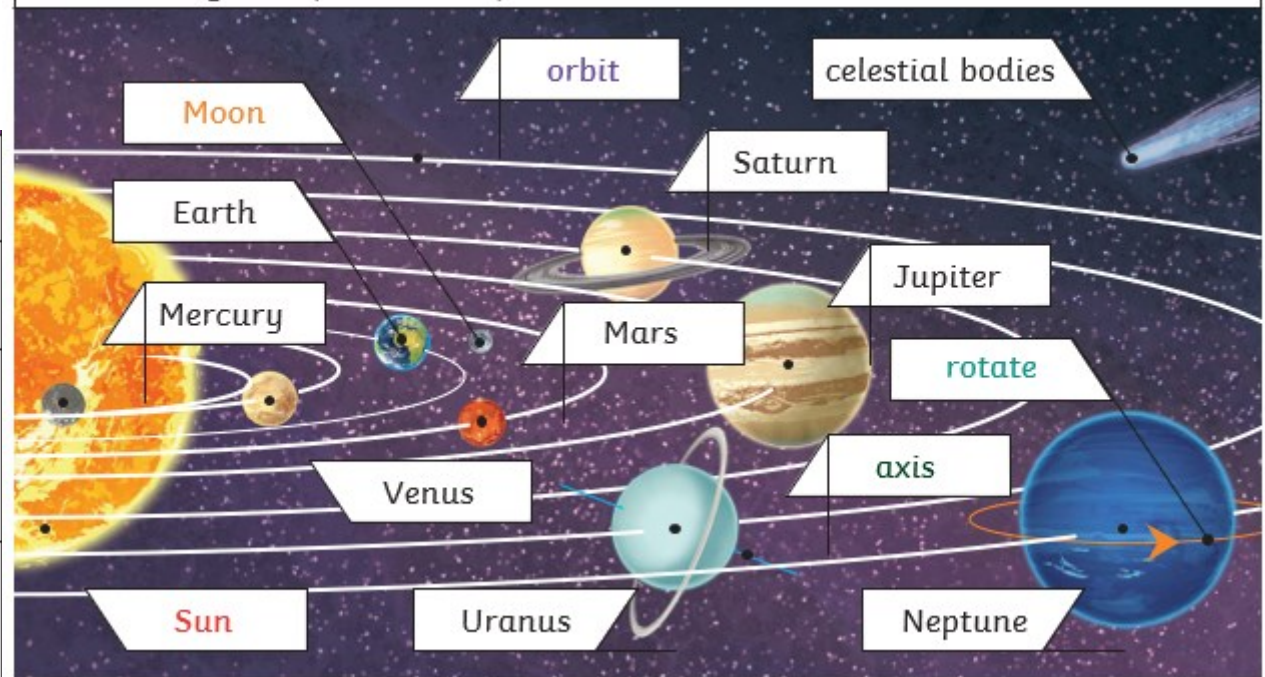
Three Key Facts.

The planets in our **solar system** are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

Earth orbits the sun 365 times a year and the moon orbits Earth once a **lunar month**.

The world is divided **longitudinally** into 24 **time zones** with each hour roughly 15 degrees apart.

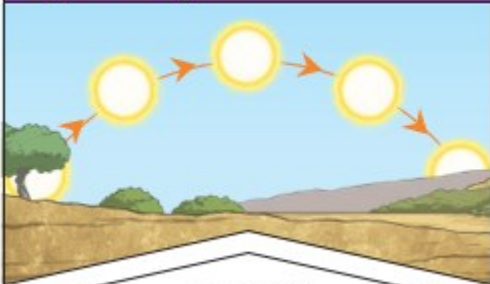
Our Solar System (not to scale)



Key Vocabulary	
Sun	A huge star that Earth and the other planets in our solar system orbit around.
star	A giant ball of gas held together by its own gravity.
moon	A natural satellite which orbits Earth or other planets .
planet	A large object, round or nearly round, that orbits a star .
sphere	A round 3D shape in the shape of a ball.
spherical bodies	Astronomical objects shapes like spheres .
satellite	Any object or body in space that orbits something else, for example: the Moon is a satellite of Earth.
orbit	To move in a regular, repeating curved path around another object.
rotate	To spin. <u>E.g.</u> Earth rotates on its own axis .
axis	An imaginary line that a body rotates around. <u>E.g.</u> Earth's axis (imaginary line) runs from the North Pole to the South Pole.
astronomer	Someone who studies or is an expert in astronomy (space science).

Brilliant books

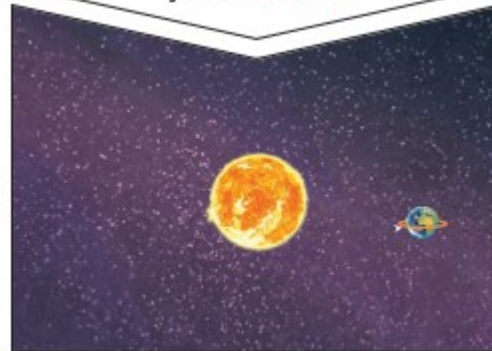
Key Knowledge



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**.



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



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.

