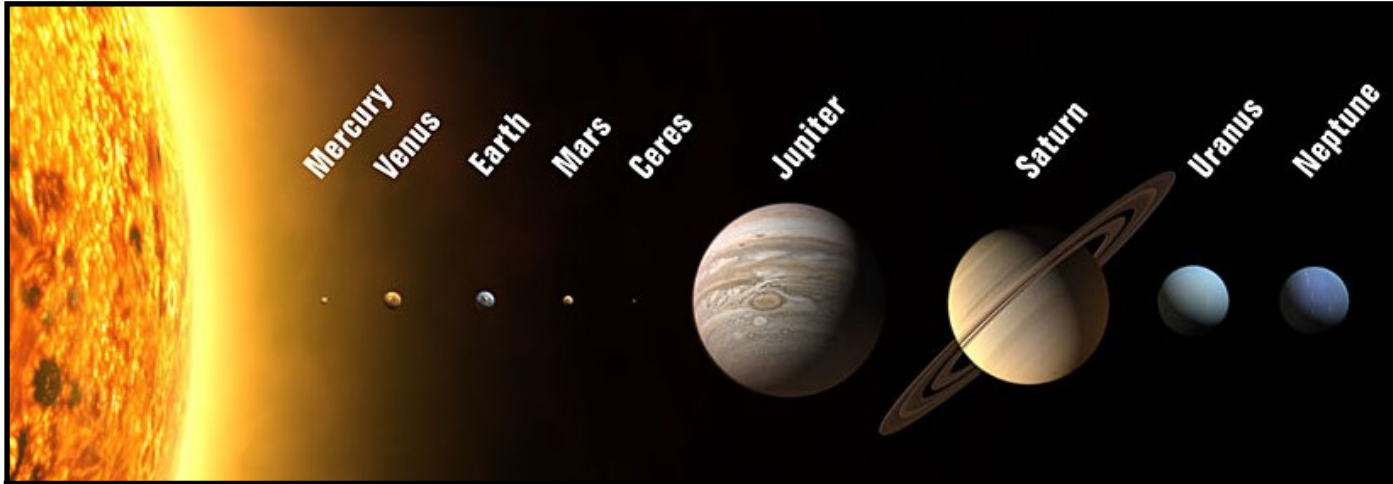


SMRP Knowledge Organiser for Year 5: Earth and Space



This diagram shows the order of the planets of our solar system.

Science knowledge

The Earth is one of 8 planets in the solar system, which all move around the Sun.

The names of the planets in order from the sun are: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

The moon moves around the Earth in a movement called rotation. This takes 28 days.

The path the moon takes to go all the way around the Earth is called its orbit.

The Earth rotates on its axis (24 hours) as it orbits the Sun (365 days).

When the Earth is facing toward the Sun, it is day-time. When the Earth is facing away from the sun, it is night time.



The Phases of the Moon

The moon orbits the Earth whilst it spins on its axis. At different times of the month, the moon appears to be different shapes because the sun lights different parts of the moon as it moves around the Earth.

Science Vocabulary

Word	Definition
axis	An imaginary line going through the middle of a planet.
constellation	A group of stars.
day	The time between sunrise and sunset.
Earth	The name of our planet .
moon	A large round object that circles the Earth.
night	The time between sunset and sunrise.
Phases of the Moon	How much of the moon appears to us on Earth to be lit up by the sun.
rotation	Complete circular movement.
star	A large ball of burning gas in space.
Sun	The star of our solar system.
orbit	An orbit is the path that an object takes in space when it goes around a star, a planet, or a moon