Kingsley CP Knowledge Organiser

Science Focus	Earth & Space	Class	Team Oak

Key Knowledge

Movement of Earth (and other planets) relative to the sun

- The Sun is a star. It is at the centre of our solar system.
- There are 8 planets, these travel around the Sun in fixed orbits.
- Earth takes 365¼ days to complete its orbit around the Sun.

Movement of the Moon relative to Earth

- The Moon orbits the Earth.
- It takes about 28 days to complete its orbit.

Day and night and the apparent movement of the Sun across the sky:

- The Earth rotates (spins) on its axis every 24 hours.
- As Earth rotates half faces the Sun (day) and half is facing away from the Sun (night).
- As the Earth rotates, the Sun appears to move across the sky.

- The Sun, Earth and Moon are approximately spherical bodies

Key Vocabulary

Planets	A celestial body moving in an orbit around a star.
Spherical	Shaped like a sphere
Solar System	the collection of eight planets and their moons in orbit around the sun
Rotate	To move in a circle around an axis.
Star	Giant sphere of superhot gases
Orbit	The curved path of a celestial object or spacecraft round a star, planet, or moon.
Celestial	Something that is positioned in outer space.

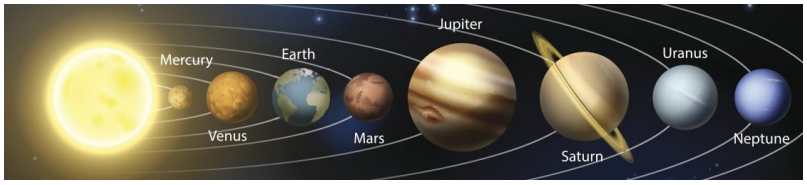
Investigation

Title: Solar System Research

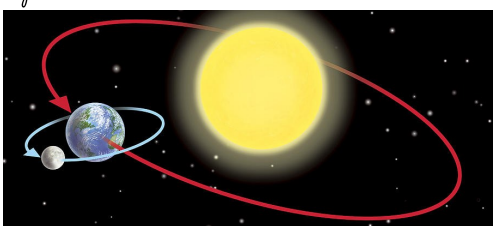
I will describe the movement of the Earth, and other planets, relative to the Sun in the solar system.

Diagrams and Symbols

Planets in our solar system:



Moon's orbit of Earth:



Day and Night:

