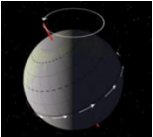




Topic: Science

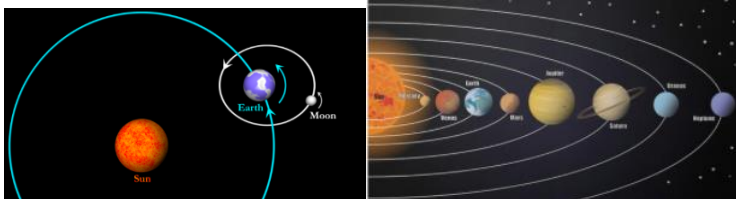
EARTH AND SPACE- Cycle A
SUMMER TERM 1 and 1 - Y5/6

New Vocabulary

Orbit	The curved path around a planet, moon or star.
Rotate	A planet's spinning motion.
Axis 	An invisible line around which an object rotates, or spins.
Spherical	Shaped like a sphere, in being round (in this case because of gravity)
Solar System	The collection of eight planets and their moons in orbit round the Sun, together.

Career links:

Astronomers observe astronomical objects, such as stars, planets and moons.



Did you know ...

The Earth is not flat?

The sun is not a planet, but a star?

The sun does not move across the sky through the day? It does not 'rise' in the morning and 'set' at night.

The moon not just appears at night?

Night is not caused by the Moon getting in the way of the Sun or the Sun moving further away from the Earth?

The Sun does not rotate around the Earth?



New Knowledge

The Sun is a star. It is at the centre of our Solar System. There are 8 planets (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune).



These travel around the Sun in fixed orbits. Earth takes 365 $\frac{1}{4}$ days to complete its orbit around the Sun.

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 Moon orbits the Earth.

It takes about 28 days to complete its orbit.

The Sun, Earth and Moon are approximately spherical.

Prior Learning

In Year 5 and 6, earlier in the year, pupils learnt:

That unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.

In Year 3/4, pupils learned:

A force is a push, pull or twist.

In Year 1/2, pupils learned:

To use maps, a globe and an atlas to identify places on Earth (Geography link).