

Science Knowledge Organiser



Topic: Earth and Space	Year 5: Autumn Term	Strand: Physics
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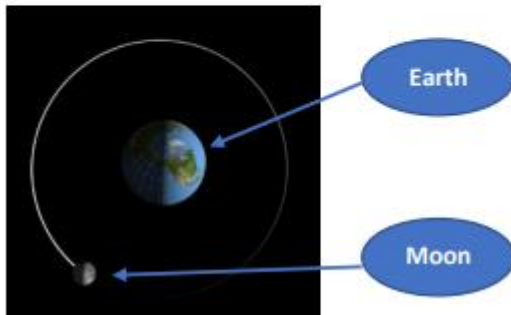
- What should I already know?
- We have four seasons (autumn, winter, spring and summer)
 - The sun is a source of light but the moon is not.
 - Know that a shadow is caused when an object blocks light from passing through it.
 - Know the history of space travel.
 - The properties of a sphere.

Key vocabulary	
Earth	The planet we live on. It is the third planet from the Sun.
Sun	The Sun is the star at the centre of our solar system. It is not safe to look directly at the Sun, even when wearing dark glasses.
Moon	The moon is the only natural satellite of the Earth.
planets	Large round objects, made of rock or gas, that move around the sun.
solar system	The sun and all the planets that orbit around it.
star	A huge ball of glowing gas in space.
rotate	When an object rotates it turns (spins) on its axis.
orbit	The curved path that an object follows going around a star or a planet.

The Sun, Earth and Moon are approximately spherical bodies.

The moon orbits the Earth

It takes about 28 days to complete its orbit.



The Sun is a star at the centre of our solar system.

There are 8 planets in our solar system: **Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.**

These all **orbit** (travel) around the sun.

The Earth orbits the Sun.

It takes $365\frac{1}{4}$ days to complete its orbit around the Sun. This is a year.



The Earth rotates (spins) on its axis once every 24 hours.

