

## Key Vocabulary

**Asteroid** – a small, rocky, planet-like body that orbits the sun, mostly found between the orbits of Jupiter and Mars.

**Comet** – an object in space that travels around the sun. A comet is made up of dust and gas, and sometimes forms a long, bright tail.

**Galaxy** – a collection of billions of stars and other matter held together by **gravity**.

**Gravity** – the force by which all objects in the **universe** are attracted to each other.

**Meteor** – A mass of rocks that burns after entering the Earth's atmosphere (meteorite when the rock has cooled on Earth).

**Orbit** – The curved path in which a **planet**, **satellite**, or spacecraft moves in a circle around another body.

**Planet** – A large body in outer space that **orbits** around the sun or another **star**.

**Satellite** – An object either natural (e.g. a moon) or man-made that **orbits** a around a **planet**.

**Solar system** – the collection of eight **planets** and their moons in orbit round the sun, together with smaller bodies in the form of asteroids, meteoroids, and **comets**.

**Star** – a burning mass of gas that makes heat and light energy.

**Universe** – All of space and everything in it.

**Vacuum** – A space with no air.

# St Matthew's C.E. Primary School

## Knowledge Organiser

What should I already know ?

- Light is needed in order to see things and that dark is the absence of light
- Light is reflected from surfaces
- Light from the sun can be dangerous and that there are ways to protect your eyes
- Shadows are formed when the light from a light source is blocked by a solid object and that the size of shadows can changed.

		No. of moons	Length of orbit (Earth days)
1	Mercury	0	88
2	Venus	0	225
3	Earth	1	365.25
4	Mars	2	687
5	Jupiter	79	4 380
6	Saturn	62	10 585
7	Uranus	27	30 660
8	Neptune	14	60 225



## Key Questions

- What do we know about the Earth, Sun and Moon?
- How do the Earth, Sun and Moon fit within our solar system?
- How do we get day and night?
- What do we know about the shape and movement of the Earth?
- Why does the Moon appear to change shape?
- How do shadows, created by the Sun, change during a day?
- How were shadows used in the past to help people tell the time?

## Year 5 - Earthlings

