

# Science- Year 5

## Summer 1- The Earth and Beyond

In Science, I have learnt:

That I need light in order to see things and that dark is the absence of light.  
That shadows are formed when the light from a light source is blocked by a solid object. I also found patterns in the way that the size of shadows change.

Light, dark, shadow, reflect, opaque, transparent, translucent, ray.

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

**I can describe the movement of the Moon relative to the Earth.**

**I can use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.**

**I can recognise that the Earth and other planets and the Moon are spheres.**

### Working Scientifically

**I can ask scientific questions and use these to form a line of enquiry for my research.**

I can decide for myself how to gather information to answer scientific questions.

I can decide the best way to present my findings and can share these with a group.

**I can talk about how my scientific ideas changed based on the evidence I found.**

**I can explain patterns I observe when looking at how shadows change during the day. I can use these to make predictions about what shadows will look like at different times.**

**I can use my understanding of the phases of the moon to draw conclusions about when it would be best for Ted to go night fishing.**

### Scientific enquiry type:

Finding things out using secondary sources of information

Noticing patterns

New Science words:

British Summer Time, Earth, Greenwich Meridian, International Date Line, **Jupiter, Mars, Mercury, Milky Way, Moon**, North Pole, **Saturn**, South Pole, **Sun, Neptune, Universe, Uranus, Venus**, asteroid, **axis**, crescent, dawn, dusk, equator, equinox, fixed stars, Full Moon, **galaxy**, gibbous, hemisphere, horizon, leap year, , lunar month, meridian, nebula, New Moon, **orbit**, planet, reflect, rotate, **rotation, solar system**, solstice, star, summer, sunrise, sunset, telescope, temperature, **tilt**, time zone, waning, waxing.

