St Peter's Roman Catholic Primary School

Science Year 5 Spring

Light and Astronomy

(Earth and Space)

What is this topic about? We will learn about our planet earth and where it is positioned in the universe in relation to other planets and the nearest Sun and moon. We will learn about how it rotates on its axis and how we orbit the sun and these movements give us night and day and the seasons and how it relates to our time and the calendar.



I will show my scientific skills by…

- **Comparing** the time of day at different places on the Earth through internet links and direct communication.
- **Creating simple models** of the solar system.
- **Constructing** simple shadow clocks and sundials, calibrated to show midday and the start and end of the school day.
- **Finding out** why some people think that structures such as Stonehenge might have been used as astronomical clocks.
- Use secondary sources to **research** how to create a model e.g. role play or using balls to show the movement of the Earth around the Sun and the Moon around the Earth.
- Use secondary sources to **research** how to make a model to show why day and night occur.
- Make first-hand **observations** of how shadows caused by the Sun change through the day.

At the end of the Topic I will know…

- The Sun is a star. It is at the centre of our solar system.
- The Sun, Earth and Moon are approximately spherical.
- The names of the planets.
- The order of the planets.

KEY VOCABULARY

Earth, Sun, Moon, spherical, solar system, rotates, star, orbit, nets, axis,
planets, (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune)