St Peter's Roman Catholic Primary School

Science Year 3

Autumn 2

Topic- Light

What is this topic about? In this topic you will learn about light, where is comes from, how it travels and how it helps us to see. We will learn that some materials reflect light and this can be a useful property. Also we will investigate shadows and find out how and why they change.



I will show my scientific skills by…

- **Looking for patterns** in what happens to shadows when the light source moves
- **Raising questions** and **carrying out tests** showing how shadows change
- **Observe** how shadows change over time.

At the end of the Topic I will know…

- We see objects because our eyes can sense light. Dark is the absence of light. We cannot see anything in complete darkness.
- Some objects, for example, the sun, light bulbs and candles are sources of light.
- Some surfaces reflect light. Objects are easier to see when there is less light if they are reflective.
- The light from the sun can damage our eyes and therefore we should not look directly at the sun and can protect our eyes by wearing sunglasses or sunhats in bright light.
- Shadows are formed on a surface when an opaque or translucent object is between a light source and the surface and blocks some of the light.

KEY VOCABULARY

light source- is an object which produces light (eg torch, TV, screen)
eyes – the part of our body we use to see
shadow – a black space produced as area blocked from the light
opaque – something which blocks the light
transparent – something which allows light to pass through
reflect – a surface which bounces light back
light- a source of energy which travels in straight lines

other words - **mirror, distance, direction**
Comparison words e.g. shortest, highest, furthest, closest