



St Bernadette's Catholic Primary School -Sycamore Class Light

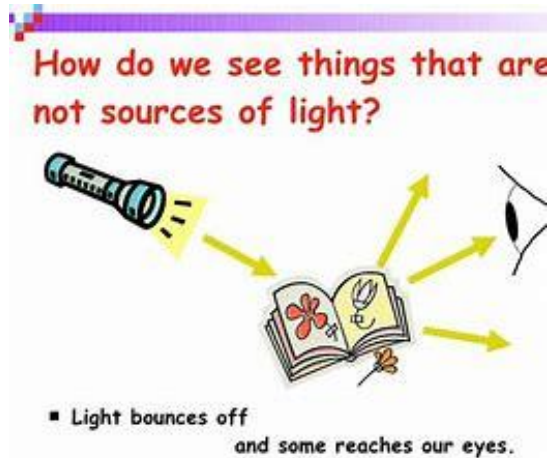
Gospel Value
Awe and Wonder

What I should know already-

Recognise that they need light in order to see things and that the dark is the absence of light • notice that light is reflected from surfaces • recognise that light from the sun can be dangerous and that there are ways to protect their eyes • recognise that shadows are formed when the light from a light source is blocked by a solid object • find patterns in the way that the size of shadows changes.

Key Knowledge

- Light appears to travel in straight lines, and we see objects when light from them goes into our eyes. The light may come directly from light sources, but for other objects some light must be reflected from the object into our eyes for the object to be seen.
- Objects that block light (are not fully transparent) will cause shadows. Because light travels in straight lines the shape of the shadow will be the same as the outline shape of the object.



Key Vocabulary

Light- A form of energy that travels in a wave from a source.

Light source- An object that makes its own light.

Reflection- When light bounces off a surface, changing the direction of a ray of light.

Refraction- When light bends as it passes from one medium to another. E.g. Light bends when it moves from air to water.

Shadow- An area of darkness where light has been blocked.

Periscope- An apparatus consisting of a tube attached to a set of mirrors or prisms, by which an observer (typically in a submerged submarine or behind a high obstacle) can see things that are otherwise out of sight.