

Year 3 Science
Focus: Light

In Year 3 children will learn to:

- Recognise that they need light in order to see things and that 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 change.

Age related scientific vocabulary

Light	The form of energy that makes it possible for the eye to see.	Shadow	The dark image cast on some surface by a person or thing blocking the light of the sun or another source of light.
Dark	Having little or no light.	Surface	The outside limit or top layer of something.
Reflection	Heat, light or an image that bounces off an object or surface.	Light source	The place where the light comes from.



Key knowledge:

- Recognise that they need light in order to see things.
- Dark is in the absence of light.
- Light is reflected from surfaces.
- Natural light sources include the sun, fire, and stars.
- Artificial light sources include lightbulbs and torches.
- Light from the sun can be dangerous but there are ways to protect your eyes from the sun.
- Shadows are formed when the light from a light source is blocked by an opaque object.
- Shadows can change size depending on the time of day and the distance from a light source.