



Year 6 Light Autumn 2 Science

I Will Know

- How light travels.
- How we see things.
- How to plan an investigation to show how light reflects and refracts.

Prior Learning and Links

- I will use my prior learning from Year 3:
- We need light in order to see things and dark is the absence of light.
 - Light is reflected from surfaces.
 - Light from the sun can be dangerous and we must protect our eyes.
 - Shadows are formed when light from a light source is blocked by an opaque object..
 - Find patterns in the way shadows change size.

Key Learning

Key Questions:

How do we see things?

What are the parts of the human eye and what are their functions?

How does light travel?

What is refraction?

How effect does a prism have on a ray of light?

Why do shadows have the same shape as the objects that cast them?

Vocabulary

Vocabulary	Definition
Light	A natural or man made agent that makes things visible.
Reflect	To bend or throw back and not absorb.
Absorb	To take in or swallow up.
Spectrum	The group of different colours including red, orange, yellow, green, blue, indigo, and violet seen when light passes through a prism, falls on a surface or when sunlight is affected by drops of water.
Filter	A transparent material that absorbs light of some colours and is used for changing light.
Prism	A prism is a piece of glass or other see-through material that has several flat sides, called faces. Prisms can bend light.

Diagrams and Images

