



Light and Shadow

Year 3

..... Term

Think deeply about...

The fact that visible light is only a small part of electromagnetic waves.
That white light is a mixture of light of many colours, or wavelengths.
How the Sun and Moon work together so that there is light on Earth.
How day and night are simply light and shadow.

Learn...

To actively investigate light through a number of practical activities.
What a light source is and that the Sun is a powerful, dangerous light source.
How light is reflected by different surfaces and in mirrors, through a variety of investigations.
How a shadow changes depending on the object's orientation.
To take measurements and look for patterns in data to answer scientific questions.

Use...

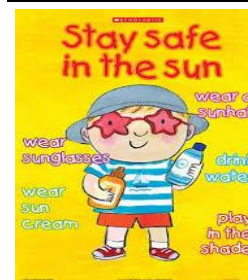
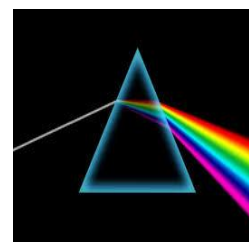
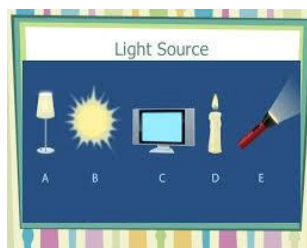
Vocabulary

Light, white light, visible light, colour, spectrum, refraction.

Source, energy, reflector, reflect, predict, reflective.

Mirror, image, concave, convex.

Transparent, translucent, opaque, shadow.



Explore...

What is light? <https://www.theschoolrun.com/what-is-light>

Optics 4 kids: <https://www.optics4kids.org/home/>

How does light travel/: https://www.youtube.com/watch?v=fm_GAlrBuQ