

Light and shadow



Learning objectives

- Gain an understanding that light travels in straight lines
- Demonstrate an understanding that light cannot pass through a material, resulting in the formation of a shadow
- Understand that light is reflected from surfaces and we see objects when this light enters our eyes
- Gain an understanding of the terms opaque, transparent and translucent

Workshop content - students will:

- Imagine what a world without light would be like
- Demonstrate that light travels in straight lines
- Observe the effects of magic glass and think about uses in the real world
- Investigate the formation of shadows
- Work out the colours of the rainbow and mix colours to make white light.

National Curriculum links

Sc1 Scientific enquiry

Sc4 Physical processes

3) Light and Sound

- a. that light travels from a source
- b. that light cannot pass through some materials, and how this leads to the formation of shadows
- d. that we see things only when light from them enters our eyes

QCA science units

3F Light and shadows

6F How we see things

Picture gallery

Coming soon...