

# Science: Light and Dark



Children work scientifically on a variety of quick challenges and longer tasks to learn about the wonders of light, including reflections and shadows. They will learn about different sources of light, and that we need light to see. The children will work scientifically and collaboratively to investigate reflective materials, They will learn that the sun light can be dangerous, the children will have chance to test which objects are opaque and will find out how shadows change when the distance between the object and light source changes. They will develop their scientific enquiry skills, making observations, predictions and conclusions.

- 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 an opaque object
- find patterns in the way that the size of shadows change

Useful links: [www.bbc.co.uk/bitesize/topics/zbssgk7](http://www.bbc.co.uk/bitesize/topics/zbssgk7)

## Key Vocabulary:

blocked  
description  
dull  
explanation  
light source  
light ray  
mirror  
observation  
opaque  
shadow  
shiny  
translucent  
transparent

