

Investigate!

- Design an experiment to measure shadow length by changing a variable. Show your results in a line graph to show the relationship between distance of light source and shadow length. Explain your findings using scientific vocabulary
- What happens when light is reflected from a mirror?
- What happens when the angle of the mirror (or light source changes?) Measure the angle of 'incidence' and angle of reflection.
- Make a periscope and explain how it works using diagrams and scientific vocabulary.
- Explore what happens when light passes through a prism. Or through water.
- Explore what happens when red, yellow and blue light are combined.

Common misconceptions

Some children may think:

• we see objects because light travels from our eyes to the object.





