

# How light works

## Learning objectives

- Understand that light travels in a straight line
- Gain an understanding of reflection and refraction
- Gain an understanding of fluorescence and phosphorescence
- Understand that white light is made up of a range of different colours
- Identify uses of light
- Ability to work in groups to effectively communicate scientific ideas to the class

## Workshop content - students will:

- Investigate the properties of light using a set of purpose-built exhibits
- Relate properties of light to uses encountered in everyday life
- Use primary and secondary evidence to plan and produce their own presentation
- Present their findings to the rest of the class

## National Curriculum links

### Sc1 Scientific enquiry

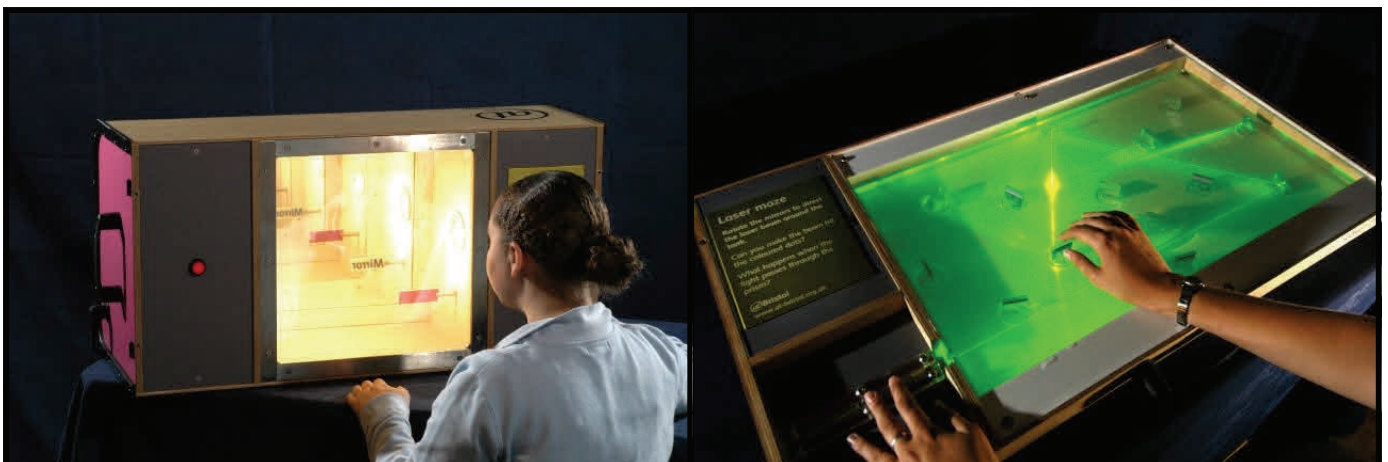
- a. using scientific ideas and models to explain phenomena

### Sc4 Physical processes

#### 3) The behaviour of light

- a. that light travels in a straight line at a finite speed in a uniform medium
- b. that non-luminous objects are seen because light scattered from them enters the eye
- c. how light is reflected at plane surfaces
- d. how light is refracted at the boundary between two different materials
- e. that white light can be dispersed to give a range of colours

## Picture gallery



Investigating the properties of light using the Infinity mirror and Laser maze exhibits

