



## Light fantastic! - KS2 Challenge Sheet

Identify different sources of light. How do we see?  
Experiment with light beams, shadows, coloured light, and reflection. Test how angles of reflection vary. Explore symmetry with mirrors.

### **Educational objective**

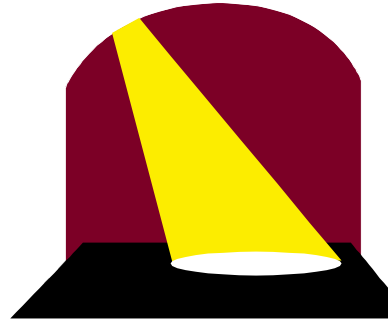
To provide opportunities for children to explore concepts relating to light sources, shadows, reflection and travel.

### **Approach**

Whole class discussion - brainstorming light sources. Then, group activities using light boxes and other resources including mirrors to explore concepts relating to shadow, reflection and how light travels. Have some fun with mirrors and symmetry.

### **Specific skills to be developed**

Concepts relating to light in the science curriculum



### **Cross-curricular links**

Science AT 4 - light

### **Ideas for extension activities**

Investigate properties and uses for mirrors (including convex and concave), periscopes, kaleidoscopes, magnification, etc

### **Equipment we will provide:**

light boxes  
Mirrors  
objects for shadows etc  
coloured paddles  
pictures for symmetry  
convex mirror  
photocopiable worksheets

### **Subject skills / Desirable outcomes**

Light  
Experimental & investigative science  
Handling data

### **Life skills**

Innovation skills  
Problem-solving skills  
Team working skills  
Communication skills  
Investigation skills