



Light fantastic! - KS1 Challenge Sheet

Identify different sources of light. How do we see?
Experiment with light beams, shape and size of shadows and reflections. Explore symmetry with mirrors.

Educational objective

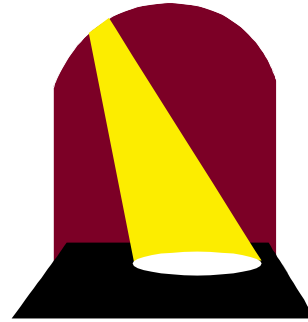
To provide opportunities for children to explore concepts relating to light sources, shadows, reflection.

Approach

Whole class discussion - brainstorming light sources. Then, group activities using light boxes, screens and various 'objects' to identify shadows. An exploration of shadows and reflections using mirrors.

Specific skills to be developed

Science - AT 4 light



Cross-curricular links

Ideas for extension activities

Use magnifiers to enhance what we see.
Make a collection of reflective objects (spoon, bicycle reflectors etc)

Equipment we will provide:

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