

What should I already know?

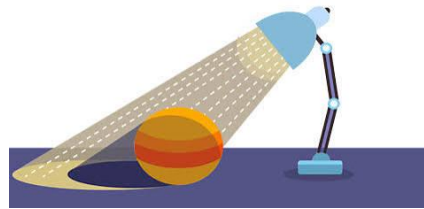
Everyday materials include wood, metal, plastic, glass, brick, rock, paper and cardboard.

Different materials have different properties that make them suitable for particular uses.

Materials can be compared to decide which is best for a particular purpose.

Science Year 3 Autumn 2

Light and Shadows



Vocabulary

light source	Something that produces its own light.
reflect	When light bounces off a surface.
opaque	A material that does not allow light to pass through it.
shadow	A dark area formed when light is blocked.

Knowledge

We need light to be able to see things and darkness is when there is no light. Light can be reflected when it hits a surface.

Light from the Sun can damage our eyes, so we need to protect them.

A shadow is formed when light from a light source is blocked by an opaque object.

The size of a shadow can change when the distance between the light source and the object changes.

Skills

Use a range of equipment to help answer questions

Record findings using simple scientific language, drawings and labelled diagrams

Ask questions and using different types of scientific enquiries to begin to answer them

Set up simple practical enquiries and fair tests

Begin to make careful observations