

LKS2 Aut 1 Cycle A



Light

To be secure in this unit you must:

- Recognise that they need light in order to see things and that dark is the absence of light
- Notice that light is reflected from surfaces
- Recognise that light from the sun can be dangerous and that there are ways to protect their eyes
- Recognise that shadows are formed when the light from a light source is blocked by an opaque object
- Find patterns in the way that the size of shadows change

Develop scientific skills:

- Make relevant predictions.
- Identify what they will change, observe, measure and keep the same.
- Set up simple practical enquiries, comparative and fair tests.
- Make systematic and careful observations using scientific equipment.
- Perform tests and simple experiments and take measurements using standard units.
- Gather, record and classify data in a variety of ways to help in answering questions.
- Use results to draw simple conclusions.

Vocabulary

Light	A form of energy that lets us see and travels in straight lines
Light sources	Objects that make their own light
natural light sources	Light that comes from nature and is not made from humans e.g. the sun, lightning, fireflies.
artificial light sources	Light that is made by humans e.g. lamps, torches, televisions
Sun	The star at the centre of our solar system that gives off light and heat
sunglasses	Glasses that are tinted to protect eyes from sunlight.
protect	To keep something safe from harm.
reflection	When light bounces off a surface - this allows us to see the object.
shadow	A dark shape on a surface that is made when something stands between a light and the surface.
opaque,	An object or substance that does not let any light through.
transparent,	An object or substance that lets light through so you can see clearly.
translucent	An object or substance that lets some light through but not clearly.
useful vocabulary: fair test, identify, group and classify, distance, measure, centimetres	

Sticky Knowledge

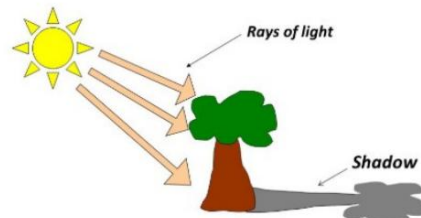
We see things when light from a light source enters our eyes through the pupil

Pupil

Light travels from the light source and into the eye

The light travels from the light source, bounces off the object and into the eye

How are shadows formed?



Useful Diagrams

