



What knowledge do I already have?

Light comes from the sun
 Light comes from artificial sources such as light bulbs and torches
 We see more shadows on sunny days



Values

Challenge	What are the dangers of the sun?
Commit	How can we use shadows to tell the time?
Conquer	How can we plan and carry out a fair test?
Celebrate	Why is the light important in our lives?

Technical vocabulary

Light	a form of energy that travels from a source
Light source	An object that makes its own light
Dark	An absence of light
Reflect	To bounce off
Reflection	The process where light hits the surface of an object and bounces back into our eyes.
Reflective	A word to describe something which reflects light well.
Sun	A natural source of light
Shadow	An area of darkness where light has been blocked.
Opaque	Describes objects that do not let any light pass through them.

What will I know by the end of the unit?

We need light in order to see things
 Dark is the absence of light
 Light is reflected from surfaces; shiny surfaces reflect most light
 light from the sun can be dangerous and that there are ways to protect their eyes
 shadows are formed when the light from a light source is blocked by an opaque object
 the size of shadows is determined by how close the object making the shadow is to the light source
 The Sun is a natural light source
 The Moon does not produce light.

