



### 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 <b>light</b>
Dark	An absence of <b>light</b>
Reflect	To bounce off
Reflection	The process where <b>light</b> hits the surface of an object and bounces back into our eyes.
Reflective	A word to describe something which <b>reflects light</b> well.
Sun	A natural source of light
Shadow	An area of darkness where <b>light</b> has been blocked.
Opaque	Describes objects that do not let any <b>light</b> 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.

