

What will we be learning?

- Recognise that we 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 there are ways to protect our eyes.
- Recognise that shadows are formed when a solid object blocks the light from a light source.
- Find patterns in the way that the size of shadows can change.

Key facts

- Light travels in straight lines.
- Without light, you cannot see.
- The sun is a light source that is so powerful that it will damage your eyes if you look straight at it.
- Some colours show up better than others do in the dark.
- A shadow changes depending on the object's orientation.



Key vocabulary

- **Light source:** anything that makes light, whether natural or artificial
- **Opaque:** not able to be seen through
- **Transparent:** allowing light to pass through so that objects behind can be distinctly seen
- **Translucent:** allowing light, but not detailed shapes, to pass through
- **Reflective:** provides a reflection
- **Reflection:** the throwing back of light by a surface without absorbing it

Key knowledge – what have you learned?

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Light Sources



Reflectors

