



# Light & Sound

Progression of knowledge



1. Observe and name a variety of sources of light, including electric lights, flames and the Sun

1. Associate shadows with a light source being blocked by something.

3. Notice that light is reflected from surfaces.

3. Find patterns that determine the size of shadows.

6. Understand that light appears to travel in straight lines

2. Observe and name a variety of sources of sound, noticing that we hear with our ears.

6. Explain why shadows have the same shape as the objects that cast them, and to predict the size of shadows when the position of the light source changes.

6. Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes

6. Explain that objects are seen because they give out or reflect light into the eye .

2. Recognise that sounds get fainter as the distance from the sound source increases.

4. Identify how sounds are made, associating some of them with something vibrating.

4. Find patterns between the pitch of a sound and features of the object that produced it.

4. Find patterns between the volume of a sound and the strength of the vibrations that produced it.