

Light Progression – New Curriculum

Year 1

Light

Pupils should be taught to:

- identify and name a variety of sources of light that we can see with our eyes, including electric lights, flames and the Sun
- Explain that darkness is the absence of light

- compare the variety of sources of light, using simple comparisons, comparative vocabulary and superlative
- describe the features of day and night, including changes in light and temperature
- describe the movement of the Sun across the sky during the day.

Year 4

Light

Pupils should be taught to:

- explain how shadows are made when a light source is blocked by something that is not transparent
- investigate the size of shadows.

Year 6

Light

Pupils should be taught to:

- explain that objects are seen because they give out or reflect light into the eye, using results of any comparative tests. Explain the scientific idea that light travels in straight lines from a light source or is reflected from a surface into the eye
- explain that light can be broken into colours and that different colours of light can be combined to appear as a new colour
- explain how the ray model of light explains the size of shadows
- use simple optical instruments