

What I Need to Know: Year 6 Science - Light

We nurture the curiosity to learn, the courage to lead and the compassion to care.

We are developing our knowledge and understanding of light. We will be exploring the scientific process of reflection and refraction.



Create, Communicate & Evaluate

- Explore the effect on light of different liquids (eg rainbows, soap bubbles, vegetables)



Question, Reason, Discuss & Explain

- Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye
- 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
- Understand the meaning of reflection and how reflection works scientifically
- Understand what is meant by the term refraction
- Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them



Know & Do

- Know the difference between man-made and natural light sources
- Recognise that light travels in straight lines

Vocabulary I need to know...

straight lines, light rays, reflection, refraction

Opportunities to support English and maths

- Skim and scan texts to retrieve information or quotes quickly and accurately
- Summarise main ideas from more than one paragraph
- Make and justify inferences with appropriate evidence from the text
- Provide reasoned justifications for their views, quoting evidence from across a text

Curriculum Links and Enrichment Activities

-