

What I Need to Know: Y3 Science - Light

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

We are learning about light and how it travels. By the end of this unit you will be able to plan and carry out your own shadow investigation.



Create, Communicate & Evaluate

- Plan a shadow experiment and explain my findings (record observations and measurements and present data in different ways in order to answer a scientific question)



Question, Reason, Discuss & Explain

- Investigate patterns in the way that the size of shadows change
- Investigate how shadows are formed when the light from a light source is blocked by an opaque object
- Understand that that light is reflected from surfaces
- Understand that light from the sun can be dangerous and that there are ways to protect their eyes



Know & Do

- Recognise that they need light in order to see things
- Know that dark is the absence of light
- Know that light travels in straight lines

Vocabulary I need to know...

light, light source, dark, absence of light, surface, shadow, reflect, mirror, Sun, sunlight, dangerous

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

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