

Year: 6	Date: Advent 1	Subject: Science - Light
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National Curriculum Knowledge Objectives:

- Recognise that light appears to travel in straight lines.
- 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.
- Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.

Working Scientifically Skills:

- Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Using test results to make predictions to set up further comparative and fair tests.
- Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations.

Links to previous year groups and topics: EYFS - Bonfire night, Year 1 - everyday materials, Year 2 - Uses of everyday material, Year 3 - Light, Year 5 - Earth & Space

Week 1: 28/8/23	Week 2: 4/9/23	Week 3: 11/9/23	Week 4: 18/9/23	Week 5: 25/9/23	Week 6: 2/10/23	Week 7: 9/10/23
No Monday (Bank holiday) To know that light travels in straight lines from light sources to our eyes, and from light sources to objects and then to our eyes.	To know how mirrors reflect light, and how they can help us see objects.	To know how refraction changes the direction in which light travels. Quiz 1	To know how a prism changes a ray of light to show the spectrum.	To know how light enables us to see colours. Quiz 2	To know why shadows have the same shape as the object that casts them. End of Topic Test	

Vocabulary: shadows, opaque, translucent, transparent, reflect, source, straight,