



ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

TOPIC TITLE/SUBJECT: Science – Light

YEAR GROUP: 3

TERM Summer 2

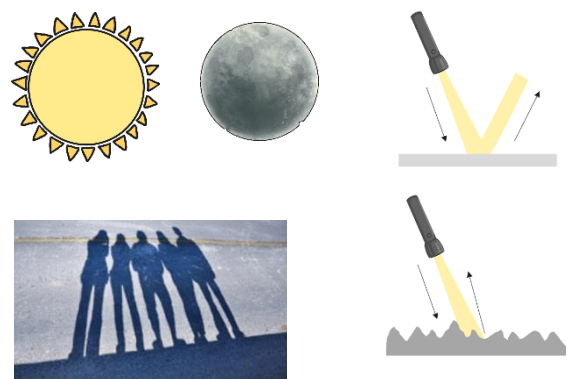
Vocabulary

light source (natural and man-made), shadow, reflection, sun protection, mirror, surfaces, opaque, translucent, transparent,

Enquiry skills:

classify, group, fair test, investigate, prediction, observe, record, results, table, measure, conclusion

Illustration



Other/Cross Curricular Links/Adaptation for SEND

SEND Adaptations – word-banks, image-mats, mixed ability pairings, varying outcomes, adaptations for hypermobility

Maths – Statistics – interpret and present data using bar charts, pictograms and tables

English – non-fiction texts - how to write and present factual information

Skills (key skills for the unit in bold)

Enquiry skills:

- **Designing a fair test.**
- Asking relevant questions.
- **Observing outcomes over time.**
- Taking accurate measurements.
- **Gather and record data accurately in a variety of ways. Interpreting data.**
- Characterising and identifying difference, similarities or changes.
- **Drawing conclusions.**

Application/ Outcomes

- Recognise the difference between light and dark and why we cannot see in the dark.
- Compare and explore different types of light sources (natural and man-made).
- **Plan and carry out a fair test exploring what happens to shadows**
- Investigate what types of surfaces reflect light.
- Explain why we need to protect ourselves from the sun and describe the different ways we can do this.



What we already know

From previous learning at KS1 or personal interests outside of school, some children may know:

- Light can come from the sun or from a device
- Light is something that humans need to be healthy
- Light comes from the sun
- We have light and dark times during the day
- Light from the sun can be dangerous

KS1 – Knowledge

- Y2/A2- Investigate textures/materials
- Y2/Sp2 – Plants need light to stay healthy

KS1 – Enquiry/working scientifically skills

- Y2/A1 - Observing first-hand experiences
- Y2/A2 – Identify and compare

KS2 – Knowledge and Skills

- Y3/A2 – Rocks – Differences between made man things and natural things
- Y3/Su1 – Gather and record data
- Y3/Su1 – Carry out a fair test

Concepts

- Light sources.
- The difference between dark and light.
- The importance of sun protection.
- Reflection.
- Shadow formation.