

Key Enquiry Question: What is light and how does it change when it comes into contact with different materials?

Science Knowledge Organiser – Year 3 / 4 Term 2 Light

National Curriculum

- Children should be taught the difference between light and dark and that we need light to see
- Recognise light can be reflected and refracted from different surfaces
- Light from the sun can be dangerous
- How shadows are formed and find patterns of how shadows change.



Key Vocabulary	Meaning
Light	An invisible ray which allows us to see things.
Dark	Absence of light. We cannot see.
Shadow	A dark shape made by blocking light.
Reflect	How light bounces off a surface back in the same direction.
Light Source	Where the light has come from.
Sun	The closest star to the Earth which gives the Earth light and heat.
Opaque	Light cannot pass through.
Transparent	Light can pass through.

Sticky Knowledge

- Light comes many sources such as torches, sunlight and electricity.
- Light can be blocked by opaque shapes which creates shadows. These change in form dependent on the object.
- Light can be reflected by certain materials such as mirrors to reflect light.
- It is not safe to look directly at the sun.