

## LKS2 Physics – Light

Key question – Would the Earth have light without the sun?

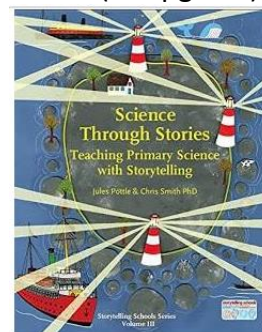
Vocabulary	Meaning
light	We can see because of light. Light is a form of energy that moves in straight lines. It also reflects off things, and that reflected light enters our eyes, allowing us to see.
dark	Darkness if where there is no light.
reflect	To throw back light without absorbing it.
surface	The outside part or <u>uppermost</u> layer of something.
natural	Existing in or produced by nature.
shadow	A dark area or shape produced by a body coming between rays of light and a surface.
blocked	If something is blocked, no-one or nothing can move through it.
source	The point of origin.

Lesson 1 LO: To understand that light is needed to see things, and that dark is the absence of light.	Can you name some light sources?  Which of these are natural light sources?
Lesson 2 LO: To investigate which surfaces reflect light.	What materials are reflective?
Lesson 3 LO: To use a mirror to reflect light and explain how mirrors work.	What is reflection?  How does light travel from smooth and bumpy surfaces?
Lesson 4 LO: To understand that light from the sun can be dangerous and that there are ways we can protect our eyes.	Can you see UV light?  How can you protect yourself from UV rays?
Lesson 5 LO: LO: To investigate which materials block light to form shadows.	How are shadows formed?  What does opaque, translucent and transparent mean?
Lesson 6 LO: To find patterns when investigating how shadows change size.	Why do shadows change size?

Key Scientist – Percy Shaw



Science Concept Story – The East and the West (STS pg.149)



Enquiry types

