

Science - Light

Lesson Number	Learning Objective	Summary of Lesson	Key Knowledge Children Will Learn by the End of the Lesson
1	To recognise that they need light in order to see	Introduction to light - discussing light sources and the need for light to see objects.	Importance of light for vision and examples of light sources.
2	To understand that light is reflected from surfaces	Practical experiments with mirrors to observe how light can be reflected.	How light reflects off surfaces and the concept of reflection.
3	To explore how shadows are formed	Creating shadows using various objects and a light source and observing the effects.	How shadows are formed and factors affecting shadow size and clarity.
4	To investigate how shadows change	Experimenting with changing the position of light source and the object to see effect on shadows.	The relationship between light position, object location, and shadow alteration.
5	To understand that light can be blocked to create shadows	Activities involving blocking light with different materials to create shadows.	Different materials have different properties in blocking light and creating shadows.
6	To recognise that light travels in straight lines	Discussion and demonstration using laser pointers or torches to show that light travels straight.	Light travels in straight lines and practical implications of this principle.