Light

Prior Learning	
This unit is the first light related science unit in the primary science curriculum although they will develop their scientific enquiry skills, making observations, predictions and conclusions. The aim is to give children a basic overview of light, reflections and shadows Prior learning will be children's own knowledge of light through the reading of books etc. and being able to observe and name a variety of light sources and explain that we see things because light travels from them to our eyes.	
Key vocabulary for this unit	
Sources Reflect and Reflective Surface Shadow Opaque Translucent Transparent Concave and convex	
Learning Sequence	
Light and Dark	• To recognise that we need light in order to see things and that dark is the absence of light by taking part in a 'feely bag' investigation.
Reflective Surfaces	• To notice that light is reflected from surfaces by choosing the most reflective material for a new book bag.
Marvellous Mirrors	• To notice that light is reflected from surfaces by playing mirror games.
Sun Safety	• To recognise that light from the sun can be dangerous and that there are ways to protect our eyes by designing and advertising a pair of sunglasses or a sun hat.
Making Shadows	• To recognise that shadows are formed when the light from a light source is blocked by a solid object by investigating the best material for curtains for a baby's bedroom.
Changing Shadows	• To find patterns in the way that the size of shadows change by investigating what happens when you

	change the distance between the object and the light source.
Concave and Convex	• To investigate how images change in concave and convex mirrors.

Assessment milestones	
Working Scientifically: • Make and explain predictions. • Make and record accurate observations. • Use scientific language to explain their findings.	**Scientific Knowledge:** • Identify light sources and reflective surfaces • Know that light travels in a straight line. • Understand that a shadow is formed when a solid object blocks light.