



Topic: Light (Science)

Term: Summer 1

Year Group: 6

NC OBJECTIVES	KEY KNOWLEDGE AND VOCABULARY
<ul style="list-style-type: none">• recognise that light appears to travel in straight lines• use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye• explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes• Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.	<ul style="list-style-type: none">• Know that light travels from a source• Know that light travels in a straight line• Know that light sources can be natural and man-made• Know how shadows are formed• Know that we see things through light from a source entering the eyes• Know that the eye is made up of – cornea, lens, sclera, optic nerves, iris, pupil and retina• Know that light can change direction when it is reflected• Know that mirrors reflect light and can change the direction of a light beam• Know that surfaces can be reflective• Know how well different surfaces reflect light• Know that shiny, smooth surfaces reflect light better than dull surfaces• Know that all objects we see reflect light• Know how shadows can change• Know that shadows have the same shape as the objects that cast them• Know the difference between a shadow and reflection