

Remember
in Year 3,
we learned:

That light is
needed to
see things

Year 6

Light

Later, in
Year 6, you
will learn:

The
difference
between
light waves
and waves
of matter

Knowledge

By the end of this unit of study, pupils will be able to:

One	Recognise that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.	
Two	Recognise that light appears to travel in straight lines	
Three	Use mirrors to explore the way in which light can be reflected and refracted	
Four	To understand how the eye works to allow us to see light	
Five	To explore why objects can look distorted and different under water	
Six	Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.	



Key Learning

Light appears to travel in straight lines, and we see objects when light from them goes into our eyes. The light may come directly from light sources, but for other objects some light must be reflected from the object into our eyes for the object to be seen.

Objects that block light (are not fully transparent) will cause shadows. Because light travels in straight lines the shape of the shadow will be the same as the outline shape of the object.

Key Vocabulary

Dangerous, straight lines
light source, Sun, sunlight, dangerous, reflect, refract