Year 6 Term 2 **Science**

Light

Vocabulary	
filter 	
light source 	
periscope	
rainbow 	
reflection 	
refraction	
shadow 	
spectrum 	

Already, I can…

… recognise that we need light in order to see things and that dark is the absence of light.

… notice that light is reflected from surfaces.

… recognise that light from the sun can be dangerous and that there are ways to protect our eyes.

… recognise that shadows are formed when light from a light source is blocked by an opaque object.

… find patterns in the way that the size of shadows change.

Can I…

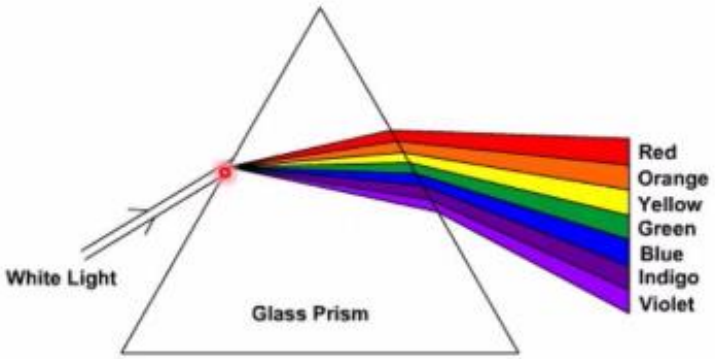
Can I explain how light travels?
Can I use scientific diagrams and labels?
Can I explain why shadows are the same shape as the object that casts it?
Can I plan a scientific enquiry to answer a question?
Can I explore how a mirror reflects light?
Can I take measurements and report and present findings from enquiries?
Can I explain what refraction is and why it is a phenomenon?
Can I report and present findings about a scientific phenomenon?
Can I explain what colour light is?
Can I identify scientific evidence that has been used to support or refute ideas or arguments?
Can I recall my learning?

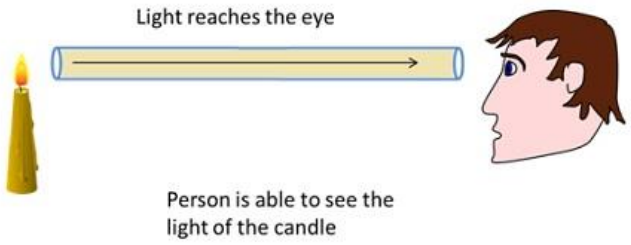
Catholic Social Teaching

God created the world and light helps us appreciate and care for the beauty of His creation.



My sticky knowledge…





Big Ideas
Energy makes things happen and can be seen by its effects (light, sound, electricity); it can be transferred but is not used up.



