

Leintwardine Endowed CE Primary School Learning Journey Key

'Letting Our Light Shine'




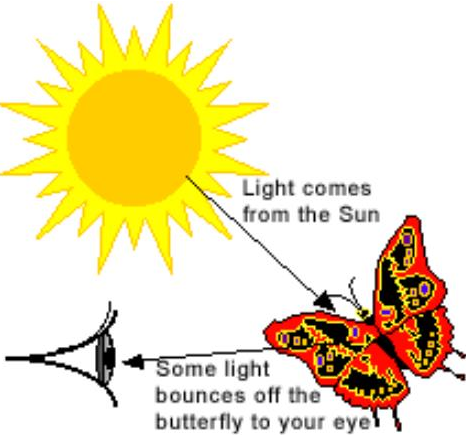
SUBJECT : Science

YEAR : A

TERM : Autumn 2

YEAR GROUPS : 5/6

Key Question: Why can we see in colour?

Question	Vocabulary to Use	Information which will help me	Can I....?
How does light travel to make us see?	absorb colour concave convex eye iris lens light mirror opaque optical periscope pupil reflection reflective refraction shadow source spectrum translucent transparent	 <p data-bbox="1189 440 1536 635">This is an example of refraction, can you describe what you can see happening?</p>  <p data-bbox="792 746 1122 890">Is a shadow always the same shape as the original?</p>  <p data-bbox="1451 707 1809 1042">Isaac Newton shone a light through a transparent prism and separated light into the colours of the rainbow - the spectrum. All the colours merge and make visible light.</p>	I can explain light travels in straight lines. I can describe how light helps us to see. I can explain refraction I can explain how prisms affect a ray of light I can identify the visible spectrum I can explain how light is block by an object I can predict what will happen I can recognise the work of Isaac Newton I can understand why we see colours I can understand why shadows change size
What is reflection? Working scientifically Make a periscope Explain where mirrors should be on cars and why			
What is refraction? Working scientifically Explain the natural phenomena of a rainbow			
How do prisms affect a ray of light?			
How do we see colour?			
What have we learned about shadows from Isaac Newton? Working scientifically Explain why the shadow is the same shape as the puppet in the shadow puppet show.			
 <p data-bbox="1003 1161 1144 1214">Light comes from the Sun</p> <p data-bbox="913 1342 1144 1422">Some light bounces off the butterfly to your eye!</p> <p data-bbox="1267 1270 1592 1366">How does light travel to our eyes?</p> 