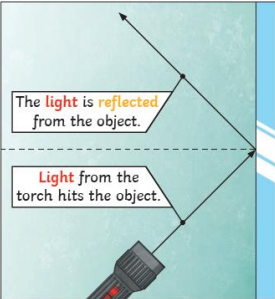
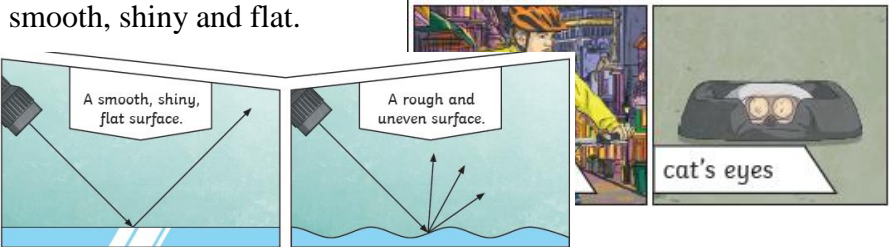

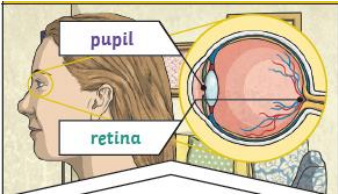
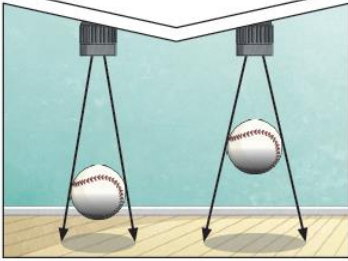
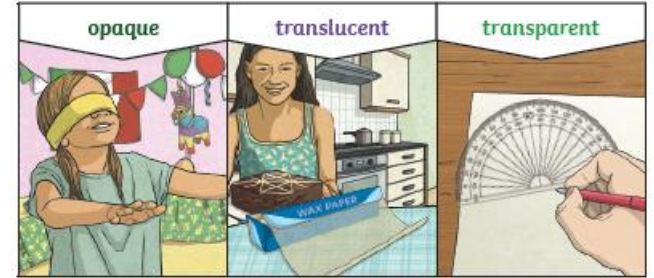


Crofton Junior School – Curriculum Knowledge Organiser

Unit of Work	Science – Physics – Year 3	
Key Strand	Understanding light and seeing	
Overview of the Unit of Work	This concept involves understanding how light and reflection affect sight.	
Prior Learning & Vocabulary	Year 2 (materials): transparent, opaque, translucent	
Sticky Knowledge	 <p>We need light to be able to see things. Light travels in a straight line. When light hits an object, it is reflected. If the reflected light hits our eyes, we can see the object. Some surfaces and materials reflect light well; other materials do not reflect materials well. Reflective materials can be very useful. The surfaces that reflect light best are smooth, shiny and flat.</p>  	<p>The pupils control the amount of light entering the eyes. If too much light enters, then it can damage the retina. To help protect the eyes, you can wear a hat with a wide brim and sunglasses with a UV rating.</p> 



A shadow is caused when light is blocked by an opaque object. When a light source is to one side of an object, the shadow will appear on opposite side.



New Vocabulary

light, light source, names of light sources, dark/darkness, reflect, reflective, mirror, shadow, block, direct/direction, ray, retina, pupil

Post Learning

Year 6 : Light