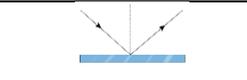
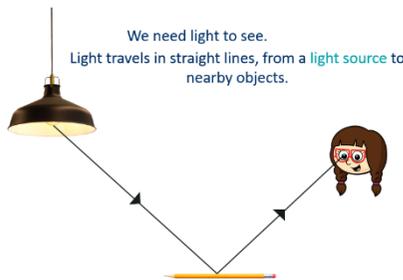




St John Fisher RC Primary School

Year Three Knowledge Organiser – Spring Two - Science

What we will be learning	Key Vocabulary and Glossary			
Lesson 1 – 6 I know: <ul style="list-style-type: none"> • The names of different light sources • The names of some natural light sources including the sun • That we see because the light is reflected off a surface into our eyes • How to sort items into those that are opaque, translucent or transparent • How shadows are formed • How to carry out an experiment to see if a shadow gets bigger or smaller when the light source moves further away from the object causing the shadow 	light sources	Light sources are objects that give out light.		
	natural light sources	Natural light sources are objects in nature that give out their own light.		
	artificial light sources	Artificial light sources are those which are made by humans.		
Key Fact: The Moon is not a light source. It reflects light from the Sun.	Sun	Our nearest star which gives out energy as heat and light.		
Key Fact: It is important to protect our eyes and body from the Sun's rays.		reflection	The return of light from a material or surface.	
Key Fact: Sunglasses have tinted lenses to protect our eyes from the sun. The glasses let some light through so that we can still see.		shiny	A type of surface that reflects most light.	
<div style="display: flex;"> <div style="flex: 1;">  <p style="font-size: small;">We need light to see. Light travels in straight lines, from a light source to nearby objects.</p> <p style="font-size: small;">The light is then reflected from the object, and travels to our eyes. The brain then makes sense of what we have seen.</p> </div> <div style="flex: 1; padding-left: 10px;"> <p>A shadow is a dark area caused by an object blocking a source of light.</p>  </div> </div>	dull	A type of surface that does not reflect much light.		
	opaque	An object or material that does not allow any light to pass through it.		
	translucent	An object or material that allows some light to pass through it.		
	transparent	An object or material that allows all light to pass through it.		
	Key Knowledge: As the distance between the light source and the object increases, the width of the shadow decreases.		Key Knowledge: All materials reflect light, allowing us to see them. Shiny surfaces reflect light better than dull surfaces.	