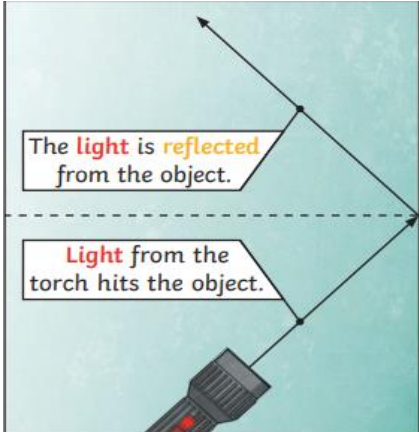



Science	Year 3 Term: Summer	Topic Title: Light																											
<p>What I should already know</p> <ul style="list-style-type: none"> • That you should never look directly at the sun, even if wearing dark glasses • That light comes from different sources 		<p>Key Vocabulary</p>																											
<p>Important Diagrams</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="147 341 564 775">  <p data-bbox="147 801 564 868">Light reflecting from a surface.</p> </div> <div data-bbox="582 325 1196 775">  <p data-bbox="582 801 1196 868">How distance from light source affects shadow size.</p> </div> </div>		<table border="1"> <tr> <td data-bbox="1223 188 1429 268">light</td> <td data-bbox="1429 188 2172 268">A form of energy that travels in a wave that makes it possible to see</td> </tr> <tr> <td data-bbox="1223 268 1429 319">dark</td> <td data-bbox="1429 268 2172 319">Having no light</td> </tr> <tr> <td data-bbox="1223 319 1429 370">see</td> <td data-bbox="1429 319 2172 370">To use your eyes to view</td> </tr> <tr> <td data-bbox="1223 370 1429 421">reflect</td> <td data-bbox="1429 370 2172 421"><i>To reflect (verb)</i> To bounce back from a surface</td> </tr> <tr> <td data-bbox="1223 421 1429 472">light source</td> <td data-bbox="1429 421 2172 472">A place where light comes from</td> </tr> <tr> <td data-bbox="1223 472 1429 539">artificial</td> <td data-bbox="1429 472 2172 539">(light source) made by humans and need a source of energy</td> </tr> <tr> <td data-bbox="1223 539 1429 590">natural</td> <td data-bbox="1429 539 2172 590">(light source) happen naturally ie the sun, lightning</td> </tr> <tr> <td data-bbox="1223 590 1429 641">sunlight</td> <td data-bbox="1429 590 2172 641">Light that comes from the sun. A natural light source</td> </tr> <tr> <td data-bbox="1223 641 1429 692">dangerous</td> <td data-bbox="1429 641 2172 692">can cause damage</td> </tr> <tr> <td data-bbox="1223 692 1429 743">protect</td> <td data-bbox="1429 692 2172 743"><i>To protect (verb)</i> to keep safe from danger</td> </tr> <tr> <td data-bbox="1223 743 1429 794">blocked</td> <td data-bbox="1429 743 2172 794"><i>To block (verb)</i> to stop something</td> </tr> <tr> <td data-bbox="1223 794 1429 845">shadow</td> <td data-bbox="1429 794 2172 845">A dark area when light is blocked by an object</td> </tr> <tr> <td data-bbox="1223 845 1429 932">opaque</td> <td data-bbox="1429 845 2172 932">An object that no light can travel through. Not see through</td> </tr> </table>		light	A form of energy that travels in a wave that makes it possible to see	dark	Having no light	see	To use your eyes to view	reflect	<i>To reflect (verb)</i> To bounce back from a surface	light source	A place where light comes from	artificial	(light source) made by humans and need a source of energy	natural	(light source) happen naturally ie the sun, lightning	sunlight	Light that comes from the sun. A natural light source	dangerous	can cause damage	protect	<i>To protect (verb)</i> to keep safe from danger	blocked	<i>To block (verb)</i> to stop something	shadow	A dark area when light is blocked by an object	opaque	An object that no light can travel through. Not see through
light	A form of energy that travels in a wave that makes it possible to see																												
dark	Having no light																												
see	To use your eyes to view																												
reflect	<i>To reflect (verb)</i> To bounce back from a surface																												
light source	A place where light comes from																												
artificial	(light source) made by humans and need a source of energy																												
natural	(light source) happen naturally ie the sun, lightning																												
sunlight	Light that comes from the sun. A natural light source																												
dangerous	can cause damage																												
protect	<i>To protect (verb)</i> to keep safe from danger																												
blocked	<i>To block (verb)</i> to stop something																												
shadow	A dark area when light is blocked by an object																												
opaque	An object that no light can travel through. Not see through																												
<p>Scientific Knowledge and Conceptual Understanding</p> <ul style="list-style-type: none"> • We need light to be able to see and darkness is an absence of light • Light is reflected from surfaces • Light from the sun can be dangerous and we need to protect our eyes • Shadows are formed when light is blocked by an opaque or translucent object 																													
<p>Investigative Skills – Enquiry</p> <p>How we change the size of shadows?</p> <ul style="list-style-type: none"> • Asking relevant questions • Set up a fair test 		<p>Investigative Skills – Collecting Data</p> <p>Measure the height of shadows when object is moved closer to, or further from, the light source</p> <ul style="list-style-type: none"> • Make accurate measurements using standard measurements 																											
<p>Investigative Skills – Recording</p> <ul style="list-style-type: none"> • Gather and present data in table and bar chart 		<p>Investigative Skills – Concluding</p> <ul style="list-style-type: none"> • Use results to draw simple conclusions 																											