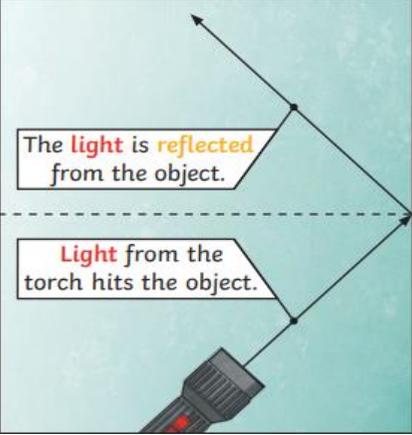
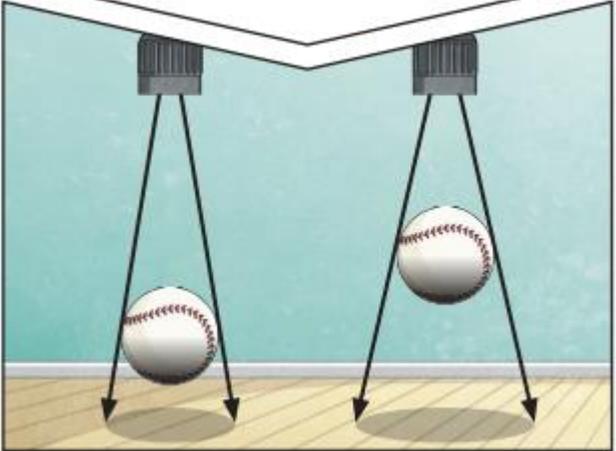


Science	Year 3 Term: Summer	Topic Title: Light																											
<p>What I should already know</p> <ul style="list-style-type: none"> • That you should never look directly at the sun, even if wearing dark glasses • That light comes from different sources 		<p>Key Vocabulary</p>																											
<p>Important Diagrams</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="152 343 564 778">  <p data-bbox="152 805 564 869">Light reflecting from a surface.</p> </div> <div data-bbox="582 327 1198 778">  <p data-bbox="582 805 1198 869">How distance from light source affects shadow size.</p> </div> </div>		<table border="1"> <tr> <td data-bbox="1220 183 1429 268">light</td> <td data-bbox="1429 183 2175 268">A form of energy that travels in a wave and makes it possible to see</td> </tr> <tr> <td data-bbox="1220 268 1429 319">dark</td> <td data-bbox="1429 268 2175 319">Having no light</td> </tr> <tr> <td data-bbox="1220 319 1429 363">see</td> <td data-bbox="1429 319 2175 363">To use your eyes to view</td> </tr> <tr> <td data-bbox="1220 363 1429 411">reflect</td> <td data-bbox="1429 363 2175 411"><i>To reflect (verb)</i> To bounce back from a surface</td> </tr> <tr> <td data-bbox="1220 411 1429 462">light source</td> <td data-bbox="1429 411 2175 462">A place where light comes from</td> </tr> <tr> <td data-bbox="1220 462 1429 534">artificial</td> <td data-bbox="1429 462 2175 534">(light source) made by humans and need a source of energy</td> </tr> <tr> <td data-bbox="1220 534 1429 582">natural</td> <td data-bbox="1429 534 2175 582">(light source) happen naturally ie the sun, lightning</td> </tr> <tr> <td data-bbox="1220 582 1429 630">sunlight</td> <td data-bbox="1429 582 2175 630">Light that comes from the sun. A natural light source</td> </tr> <tr> <td data-bbox="1220 630 1429 678">dangerous</td> <td data-bbox="1429 630 2175 678">can cause damage</td> </tr> <tr> <td data-bbox="1220 678 1429 726">protect</td> <td data-bbox="1429 678 2175 726"><i>To protect (verb)</i> to keep safe from danger</td> </tr> <tr> <td data-bbox="1220 726 1429 774">blocked</td> <td data-bbox="1429 726 2175 774"><i>To block (verb)</i> to stop something</td> </tr> <tr> <td data-bbox="1220 774 1429 821">shadow</td> <td data-bbox="1429 774 2175 821">A dark area when light is blocked by an object</td> </tr> <tr> <td data-bbox="1220 821 1429 869">opaque</td> <td data-bbox="1429 821 2175 869">An object that no light can travel through. Not see through</td> </tr> </table>		light	A form of energy that travels in a wave and 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
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<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 																											