



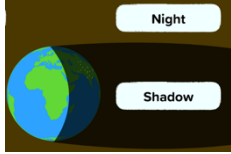
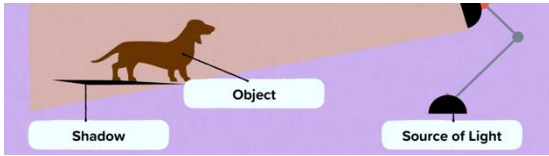








Year 3 – Autumn 2 – Science – Pupil Knowledge Organiser



What do I already know?		What am I learning now?	
<ul style="list-style-type: none"> Humans has five senses: sight, hearing, taste, touch, and smell. Each sense is connected with specific body parts: eyes for sight/vision, ears for hearing, tongue for taste, skin for touch, and nose for smell. 		<ol style="list-style-type: none"> How does light help us see? What is reflection? How can we protect our eyes from the Sun's light? How are shadows formed? How do shadows change when the light source moves? How might we share our findings? 	
Key Knowledge: Light		Key Knowledge: Shadows	
 <p>Dark is the absence of light.</p>  <p>We see sources of light when their light travels to our eyes.</p>  <p>We see non-luminous objects when a light from a source reflects off them and into our eyes.</p>		 <p>The shadow will always form on the side behind the object, not the one facing the source of light.</p>  <p>Parts of the earth are in shadow because they are facing away from the sun. This is night.</p>  <p>The size of the shadow depends on the distance between it and the light source.</p>	
Key Vocabulary			
		light source	Origin of light, such as a lamp or the sun.
		luminous	Something that makes its own light.
		non-luminous	Something that does not make its own light.
		reflect	When light is bounced off a non-luminous object.
		protection	The act of keeping something safe from harm.
		reflex	An automatic reaction that our bodies make in order to protect ourselves.
		shadow	Dark area formed when an opaque object blocks light from a light source.
		opaque	Does not allow light to pass through, blocking vision.
Key Knowledge: Protection			
 <p>The sun is very bright. Looking directly at it can damage our eyes.</p>		 <p>The pupil (the dark circle in the centre) gets smaller to let in less light.</p>	
 <p>Our eyelids also blink to stop light from entering our eyes. This is called a reflex action.</p>		 <p>Wearing brimmed hats and sunglasses can prevent some light from entering our eyes.</p>	