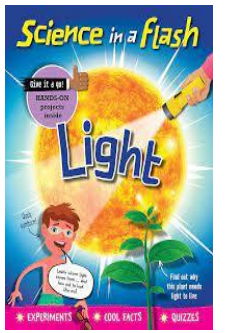
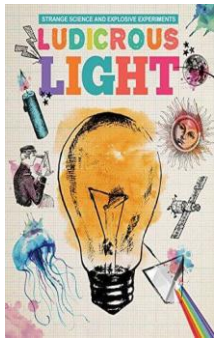
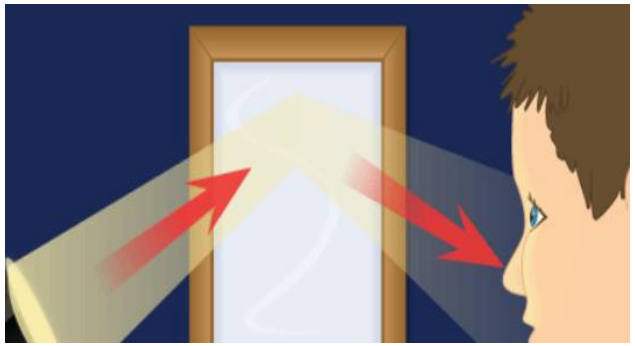
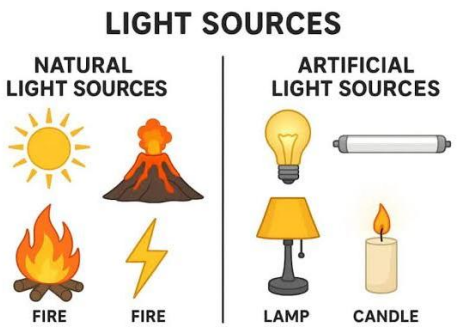
YEAR 3 SCIENCE – Light Autumn 2

Tier 3 Vocabulary	Knowledge Facts	Recommended Reads
Light – A special form of energy. We need light to see.	We need light to see things and that dark is the absence of light.	 
Dark - Is when there is no light.	A **light source** is something that makes its own light.	
Light Source – An object that produces light.	Reflected light is bounced off objects and then it travels to our eyes Light and shiny colours and surfaces are good reflectors. More of the light is bounced back to our eyes.	
Luminous –Giving off light. A luminous object makes its own light, e.g. the sun or a torch.	Shadows are formed when light cannot pass through an object. The darkest shadows are formed by opaque objects.	**National Curriculum End Points** • Recognise that we need light in order to see things and that dark is the absence of light. • Notice that light is reflected from surfaces. • Recognise that shadows are formed when the light from a light sources is blocked by a solid object. • Find patterns in the way that the size of shadows change. • Recognise that light from the sun can be dangerous and that there are ways to protect their eyes.
Reflection – When light bounces off a surface.	The closer to the light source an object is, the bigger the shadow will be.	
Opaque – Materials that block light.	Light from the sun can be dangerous. We can protect our eyes by wearing sunglasses and a wide brimmed hat.	
Transparent – Materials that allow light to travel through.	 	
Translucent – Materials that allow some light to pass through them.		
Shadows – an area of shade formed when light cannot pass through an object.		