



I Can Statement - Year 6

Light

Unit/Topic Overview	Pre-taught Vocabulary	
In this topic you will learn that light is a form of energy that allows us to see the world around us. It travels in straight lines from a light source and can be reflected by different surfaces. In this topic, you will learn how we see objects, how shadows are formed, and why their size changes depending on the position of the light source. You will also investigate reflection using mirrors and discover how light behaves when it meets different materials. Through practical investigations, you will develop your scientific enquiry skills and gain a better understanding of how light is used in everyday life.	Light source	Reflection
	Reflect	Ray
	Translucent	Transparent
	Opaque	Shadow
	Absorb	Beam

RAG Rating:		Start	End
1.	I can use the idea that light travels in straight lines to explain how objects are seen.		
2.	I can explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.		
3.	I can use ray diagrams to represent how light travels and how it reflects off surfaces.		
4.	I can explain how shadows are formed when light is blocked by an object.		
5.	I can predict and explain the size of shadows based on the position of the light source, object, and screen.		
6.	I can describe how light reflects from surfaces and identify examples of reflection in everyday life.		
7.	I can explain why shadows have the same shape as the objects that cast them, using the idea of straight-line travel of light.		
8.	I can plan and carry out simple investigations to explore light and shadows, recording results appropriately.		
9.	I can use appropriate scientific vocabulary (e.g., reflection, shadow, light source, opaque) to explain their understanding of light.		