



Science	Year 6
Focus: Light	
Age related scientific vocabulary	

Phenomena An observable fact or event	Light source Anything that makes light, whether it is natural or artificial	Reflect— Throwback without absorbing it	Absorb— Take in or soak up it
Opaque— Not able to see through	Translucent— Allows light but not detailed shapes to pass through	Shadow— A dark area or shape produced by a body coming between rays of light and a surface	Refraction— Change in direction

Key Knowledge
<ol style="list-style-type: none"> Light travels in straight lines Objects are seen because they give out or reflect light into the eye We see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes Shadows have the same shape as the object that cast them

Science	Carlton Assessment Grid		
Success Criteria	Pupil Reflection		Teacher Assessment
I can explain that light travels in straight lines from light sources to our eyes, and from light sources to objects and then our eyes	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can understand how mirrors reflect light, and how they can help us see objects	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can investigate how refraction changes the direction in which light travels	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can investigate how a prism changes a ray of light	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can investigate how light enables us to see colours	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can explain why shadows have the same shape as the object that casts them	Before <input type="checkbox"/>	After <input type="checkbox"/>	