

# Science Assessment Grid : Seeing Light : Year 6



## Seeing Light

Group:

Year:

Term:

### Science

Lesson 1	Are children able to identify light sources and describe how light travels?																		
	Can children use their knowledge of how light travels to explain how a shadow is created?																		
	Can children explain why a shadow takes the shape of the object casting it?																		
Lesson 2	Can children give a clear, scientific description of translucent, transparent and opaque and how this property affects an object's shadow?																		
	Are children able to describe and explain how an object's shadow can be manipulated?																		
	Can children make informed conclusions from their investigations?																		
Lesson 3	Can children name the parts of the eye?																		
	Can children describe what the main parts of the eye do to help us see?																		
	Do children understand that without light, we cannot see?																		
Lesson 4	Can children name the parts of the eye and briefly describe what the main parts do?																		
	Can children complete a diagram to show how light allows us to see an object?																		
	Do children understand that all objects reflect an amount of light?																		
Lesson 5	Can children give a scientific definition of the word 'reflect'?																		
	Do children understand that the angle of incidence is equal to the angle of reflection?																		
	Can children think of examples of how angled mirrors can be used in different ways?																		
Lesson 6	Can children give a brief description of what happens to light when it's refracted?																		
	Are children able to differentiate between if an object will reflect or refract light?																		
	Can children give some examples of objects which use refraction in a useful way?																		
Lesson 7	Do children understand that white light can be split into a spectrum of seven colours?																		
	Are children able to name the seven colours that light can be split into?																		
	Can children explain how the light is refracted based on the colours' wavelengths?																		