WEEDTE PRIMARY SCHOOL	Science			
Inspire Nurture Challenge	Topic: Light Year 6			
What I should already know	Prisms	Vocabulary		
 We need light in order to see things and that dark in the absence of light. Light is reflected from surfaces 	 Sunlight is a mixture of many colours together. Light from the sun looks white to our eyes. All of the colours are in white light, they are just all mixed up. 		The natural agent that	
 Light from the sun can be dangerous and that there are ways to protect our skin and eyes. Shadows are formed when the light from a light source is blocked by an opaque or translucent object To see all the colours separately, a prism. A prism is a piece of glass in the shape of a triangle. The colour rainbow in order are: red, or and or are: 	 To see all the colours separately, you can use a price. A price is a piece of glass or plastic 	Light	stimulates sight and makes things visible	
	in the shape of a triangle. The colours of the	Light Source	Something that provides light	
• There are patterns in the way that the size of shade change.	 The size of shadows Tainbow III of the are, red, orange, yendw, green, blue, indigo, and violet. When white light goes through a prism, the light bends due to the phenomenon called refraction. Refraction is the process of bending light as light goes from one medium (like air) to another medium (like water or glass). To another medium (like water or glass). Event Stare sent to our information in the action and ighting at. a light source is e or translucent ormed. Tainbow III of the shadow prosition of the in to the object. 	Opaque	Not capable of having light pass through	
How we see things Light travels in straight lines. Objects are seen because light 		Prism	A solid 3D shape with flat sides. The two ends are an equal shape and size. A transparent prism separates out visible light into all the colours of the spectrum.	
light source to our eyes or from		Reflection	The throwing back by a body or surface of light, heat or sound without absorbing it	
 objects and then our eyes. Objects are seen because they give out light or the reflect it into our eyes. 		Refraction	The throwing back by a body or surface of light, heat or sound without absorbing it	
 We are able to see because light from an object can move through space and reach our eyes. Once light reaches our eyes, signals are sent to our brain, and our brain deciphers the information in order to detect the appearance, location and movement of the objects we are sighting at. Translucent, Transparent & Organe Chrough Sont Chrough Sont Chrough Sont Chrough No light formage Sont Chrough No light through through through No light through through through through No light through through through through through No light through through		Shadow	A dark area or shape produced by a body coming between light and a surface	
		Spectrum	A band of colours, as seen in rainbows, produced by separation of parts of light	
		Translucent	allowing light, but not detailed shapes, to pass through	
		Transparent	allowing light to pass through so that objects behind can be distinctly seen	