LIGHT AUTUILITY	Light	Autumn 2
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	V	What I should already know:		Workin	g scientif	
	1	That you see with your eyes	1	answer que	ent types of so estions, includ	
	2	That light can be reflected from some surfaces.			quipment, wit	
	3	How to make a shadow.	3	Record data and results complexity using scientifications. Report and present find including conclusions, cannot explanations of and		
	4	About transparent, opaque and translucent objects.	4			
	What I will Learn:		5	results, in oral and writte Gather and record data to		
		That light appears to travel in straight lines.	questions.			
	2	straight lines to explain that objects are seen because they give out or Ne		Sc	ientists/Inv	
	i			aac ewton 643-1727)	Shone a light of prism, separate colours of the called refraction merge togeth.	
	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.				light.	
			,	White Light		
4		Use the idea that light travels in straight lines to explain why shadows				
		have the same shape as the objects		Prism		

that cast them.

Key Vocabulary:					
1	Light rays	used to show the movement of light from its source to a surface or object. Rays are used to model how light moves.			
2	reflect	to throw back light from a surface			
3	opaque	cannot be seen through and does not allow light to pass through it.			
4	Translucent	not transparent but clear enough to allow rays of light to pass through.			
5	Shadow	the dark shape made when something blocks light			
6	Transparent	light completely passes through it, and you can see clearly through it.			
7	mirror	any glass or other smooth, polished surface that forms an image by reflection.			
8	Reflection	light bouncing off the surface of an object.			

the bending of light that happens

transparent material to another.

whenever it travels from one

Refraction

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Lioter)

cientifically skills:

Year 6

- pes of scientific enquiries to ns, including recognising and bles where necessary.
- ents, using a range of nent, with increasing ecision.
- results of increasing scientific diagrams and
- sent findings from enquiries, sions, causal relationships s of and degree of trust in nd written forms.
- ord data to help in answering

sts/Inventors:

ne a light through a transparent n, separating out light into the urs of the rainbow in a process d refraction. All these colours ge together to form visible