## EXPLORING SCIENCE WORKING SCIENTIFICALLY

## **Assess Yourself!**

Name		Class Dat		9		
effects in theatres and presentation should co	a course that trains the te on film sets. Prepare a pr nsist of visual aids (such a e instructor what to say at	esentation to expla as a computer pres	ain the points belo	ow. Yo	ur	
• how stage lighting h	nelps us to see what is on	the stage				
<ul> <li>how light can be reasonable special effects</li> </ul>	flected or bent, and some	examples of how t	his can be used	to proc	luce	
<ul> <li>why coloured objec lighting</li> </ul>	ts appear coloured, and h	low appearances o	an be changed u	ising co	olou	rec
<ul> <li>how cameras and e things that eyes can</li> </ul>	eyes work, and why this m nnot.	eans that photogra	aphs can sometin	nes de	tect	
Name		Class	Date			
Now that you have con sentences to describe	npleted the activity, circle how well you did.	the number of star	s next to each of	these		
I have						
	described how opaque, translucent and transparent materials can affect light, and given examples of these materials.			* * :	* *	*
	stated how coloured light can be made, and that this can change the appearance of coloured objects.			* * :	* *	*
described how s	described how shadows are formed.				* *	*
described at lea	described at least two uses of plane mirrors.			* * :	* *	*
suggested at lea	suggested at least one possible use of mirrors in a theatre.			* * *	* *	*
described how r mirror.	described how mirrors reflect light, and the characteristics of the image in a mirror.			* * *	* *	*
explained the difference between even reflection and scattering.				* * :	* *	*
identified all the	identified all the parts of a camera and of an eye.			* * *	* *	*
described how t	described how to split light into different colours using a prism.			* * *	* *	*
used a ray diago light.	used a ray diagram to explain how we can see things that are not sources of light.			* *	* *	*
used a ray diag	used a ray diagram to explain the formation of different sized shadows.			* *	* *	*
explained how l	explained how lenses focus light through refraction.			* * *	* *	*
used a labelled	used a labelled ray diagram to show what happens in refraction.			* * *	* *	*
	explained the functions of different parts of cameras and of eyes, and how our eyes detect colours.			* * :	* *	*
explained how f	explained how filters make coloured light.			* *	* *	*
explained why c	explained why coloured objects appear coloured.			* *	* *	*
suggested some	e uses for lenses in the theat	tre or in films.		* *	* *	*
explained why cameras can sometimes produce images that the eye cannot see.				* * *	* *	*
	explained why coloured objects appear different in different coloured light, and suggested some uses for this.				* *	*

What could you do to improve? \_\_\_\_\_