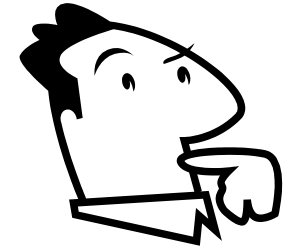


Light Progress Check



Name

Date

	Learning Outcomes	✓😊	?😐	✗😞
L2	<i>I know that light travels in straight lines</i>			
	<i>I know that white light can be dispersed to make the colours of the spectrum.</i>			
	<i>I can state the colours of the spectrum (in a rainbow) in their correct order. (RIYGBIV)</i>			
1	I know that we see things because light reflected by objects enters our eyes			
2	I can explain that objects that emit their own light are luminous whereas other objects can only be seen because they reflect light into our eyes.			
3	I can identify the incident ray, reflected ray, angle of incidence, angle of reflection and normal on a ray diagram showing reflection			
4	I can state the law of reflection			
5	I can state that light changes direction when it moves from air to glass and vice versa. This is called refraction.			
6	I can draw a ray diagram to show refraction and label the normal lines.			
7	I can explain that refraction occurs when the speed of light is changed by the density of the material.			
8	I can describe white light as made up of all the colours of the spectrum.			
9	I know that different colours are refracted by different amounts through a prism. This is called dispersion.			

10	I can label the parts of the eye and explain their function including: pupil, iris, cornea, retina, lens, optic nerve.			
11	I can state that convex lenses converge light and concave lenses diverge light.			
12	I can state that long sight is caused by light not being refracted enough by the lens and short sight is caused by light be refracted too much by the lens.			
13	I can state that convex lenses can be used to correct long sightedness and concave lenses can be used to correct short sightedness.			
14	I know that visible light is a wave and carries energy.			
15	I know that light is part of a family of waves called the electromagnetic spectrum.			
16	I know that all parts of the electromagnetic spectrum are made of waves that travel at the same speed but have different wavelengths			
17	I can draw a diagram of a wave and mark on the wavelength.			
18	I can state that the shorter the wavelength the higher the energy carried by the wave.			
19	I can draw an electromagnetic spectrum to show the position of Radio and TV waves, X-rays, microwaves, visible light, infrared light, ultra violet light, and gamma rays.			
20	I can have researched at least one type of electromagnetic radiation and can state an application in everyday life			
21	I can evaluate the advantages and limitations of an application of electromagnetic radiation.			

In this topic I have successfully.....

To make further progress I should.....

Target: In the next topic I will.....