Year 6

Making connections- Are some sunglasses safer than others?

Prior learning: They know the characteristics of different groups of animals and the impact of diet, exercise, drugs and life style on the way a body functions. They know how light is reflected into the eye and onto different surfaces. They know that characteristics are passed on from parent to offspring, variation occurs and that evolution is adaptation over many years. They know the variety of components in a series circuit and conventions are used to draw circuit diagrams.

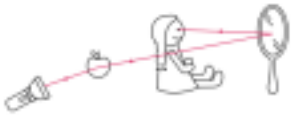
What we are learning				
Lesson 1: (K) To revise the units of 'Circulation and health' and 'Light and reflection'. **(WS)** To plan a comparative test.	**Lesson 2: (K)** To revise the units of 'Light and reflection' and 'Circuits, batteries and switches'. **(WS)** To gather and record data.	**Lesson 3: (K)** To revise the units of 'Light and reflection' and 'Circulation and health'. **(WS)** To conclude and evaluate the investigation.	**Lesson 4: (K)** To revise the units of 'Classifying', 'Evolution and inheritance', Light and reflection' and 'Circulation and health.' **(WS)** To use further data to a conclusion.	**Lesson 5: (K)** To revise the units of 'Light and reflection' and 'Circulation and health'. **(WS)** To report on my findings in the form of an advert.

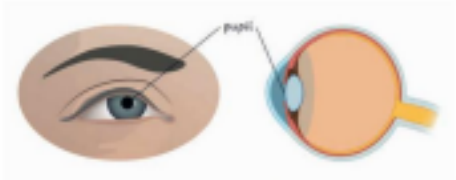
Key vocabulary		
bar chart	It is a graph that shows totals or amounts in the height of a bar.	
classify	To place them in different groups or categories.	
conclusion	It is the final result of something.	
evaluate	To judge the value or level of something.	
trustworthy	Something you can trust or believe in.	
variable	Is something that can be changed or take on a different value.	

Light can change direction when it reaches a different material. **Reflection** is when light does not pass through a material and changes direction.

Shiny surfaces **reflect** light **uniformly**, whereas rough surfaces **scatter** the light rays.

Light needs to enter the eye for us to see. It enters through the **pupil.**





Light may come directly from a **luminous** object or reflect *off* a **non-luminous** object.