

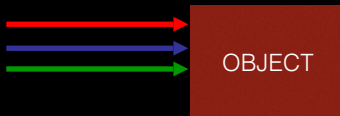
9 - Colour

- Level 4 - Identify Materials as absorbing some colours of light and reflecting others
- Level 5 - Describe how we can see colour based on reflected light.
- Level 5 - Explain the use of colour filters.
- Level 6 - Relate the colour of leaves to photosynthesis.

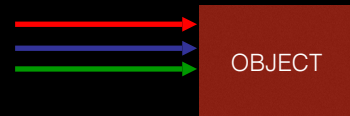
Starter

WHY DOES A RED CAR LOOK RED?

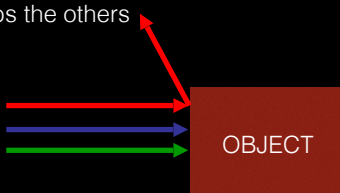
We know that white light is made up of different colour according to the spectrum



When white light hits an object some colours are absorbed and some are scattered.



A red object appears red because it scatters only red light and absorbs the others



How do colour filters work?

Filters work the same way as other objects but not all the light is scattered. A red filter will scatter some red light and transmit some red light. This is why you can see through a red filter but it still appears red.