

Which colour fabric is best for a cyclist to wear?

Light is 'lost' or absorbed when it is reflected from different coloured surfaces. Day-glo materials do this less. The children can measure the light reflected from coloured fabrics by pointing

See the sensors topic

a **light sensor** at it. Sort the colours into order. Which colours would be best for the cyclist? Which fabric reflects the most light - a plain yellow or day-glo yellow?

Note: The light sensor responds to different colours in a way not exactly like the human eye. For this reason, and because different surfaces reflect light differently, results should be seen as 'rough and ready'.

IT: Measuring

Which colour sunglasses filter light best?

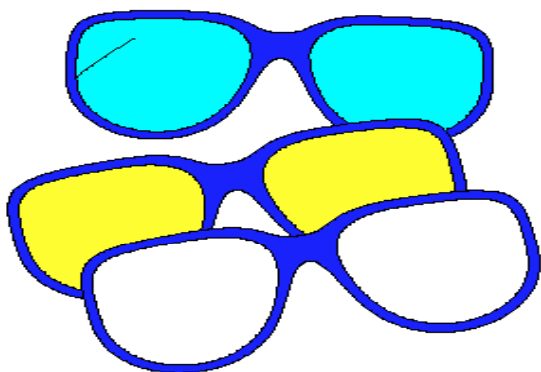
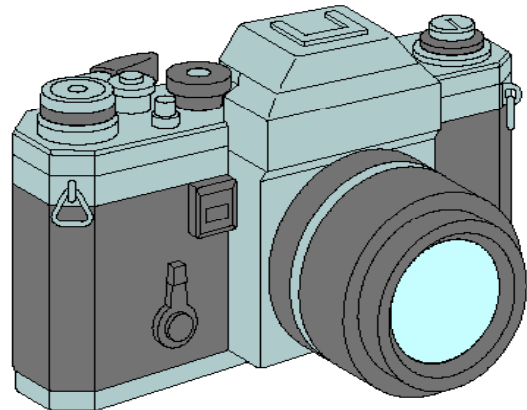
Coloured film filters out some of the light passing through them. The children can use a **light sensor** to compare the amount of light passing through different coloured sunglasses made using coloured film. Which colour will work best? Would you buy your clothes wearing sunglasses? See if you can guess the colours of clothes wearing different sunglasses.

IT: Measuring

Which colours are the safest colours for the road?

As above, you can measure the light reflected from coloured material by pointing a **light sensor** at it. And the children can use the light sensor to compare paint swatches from DIY shops. You might ask: Which colours would be best for road signs? Which colours would be best for the crossing patrol, or a police car? Would the time of day affect the results?

IT: Measuring



Section

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