

Vocabulary

Year 6 Autumn 1 Science

Light

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| colour | The property as a result of the way it reflects or emits light. |
| light | Waves of light |
| rainbow | An arch of colours caused by refraction |
| reflection | The throwing back of light |
| refraction | The bending of light |
| spectrum | A band of colours, as seen in a rainbow. |

Diagrams and pictures

1. Refraction
2. Rainbow (visible spectrum)
3. Light experiment



Key facts

How does light travel?

Light travels in straight lines. Light comes from natural (the sun) sources and artificial (light bulbs) sources.

How are objects seen?

Light reflects (bounces) off an object and into your eyes.

How does a prism change a ray of light?

A prism refracts (bends) the light. You will see a visible spectrum (rainbow colours) appear.

Why do shadows cast the same shape as the objects that cast them?

Shadows appear when an opaque (solid-coloured) object blocks the light. Light travels in straight lines so cannot bend around the object. The shadow is therefore the same shape as the object.

Working Scientifically



Interpreting



Evaluating



Observing



Recording



Questioning



Predicting



Testing

Links

Light Y3