

Endpoints for Science

Year 6 - Light



What I know and can explain

I can recognise that light appears to travel in straight lines.

I can explain that objects are seen because they give out or reflect light into the eye.

I can explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.

I can use my knowledge to explain why shadows have the same shape as the objects that cast them.

I can describe some functions of different parts of the eye.

I can give examples of when refraction occurs and explain how it changes the path of a ray of light.

I can define dispersion and explain why we sometimes see rainbows in the sky.

I can suggest which type of enquiry is likely to be successful at providing answers to a particular question.

I can explain why a labelled diagram may be particularly effective.

I can consider how modifying equipment can improve results.

I can recognise variables that cannot easily be managed.

I can explain the advantages of line graphs.

Useful Vocabulary

absorb

cornea

dispersion

emit

enquiry

iris

line graph

opaque

optic nerve

prism

pupil

ray

reflect

refraction

retina

shadow

spectrum

translucent

transparent

variables