



Vocabulary

shadow a dark shape on a surface caused when an object is between the surface and a bright light.

reflection an image that you can see in a surface like a mirror.

opaque an object that is impossible to see through or let light through.

transparent an object you can see through or light can pass straight through.

translucent an object you can partially see through - lets only a little light through.



bioluminescence is when organisms make their own chemical light

Physics

Science Y3: Light

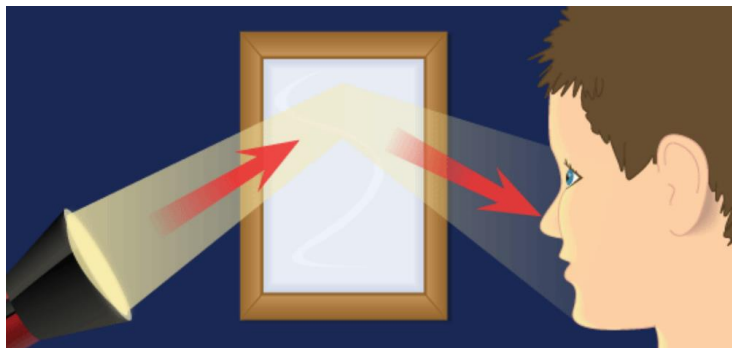
Key diagrams and knowledge

Light comes from different sources, like lamps, bulbs and the sun.

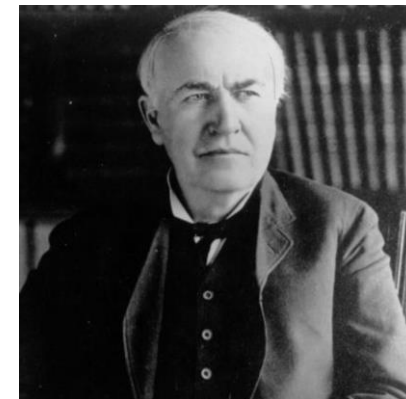
A **primary light source** is an object that produces its own light e.g. the sun or a lamp.

A **secondary light source** is an object that reflects light from a primary light source e.g. the moon.

Light travels in straight lines. When light hits an object, it is reflected off and enters our eyes. This is how we see an object. Smooth, shiny surfaces such as mirrors reflect light better than dull surfaces such as fabrics.



Scientists



Thomas Edison

February 11th 1847 – October 18th 1931

Links to prior learning and next steps:

Light and Dark (Y1)

Light (Y6)

Links to other subjects

Maths: statistics – tables and bar charts