



Scientists



Ibn al-Haytham

Ibn al Haytham (965-1040), also known as Alhazen, was an Arabic mathematician, astronomer and physicist. He carried out important experiments on light and how eyes work, a field called **optics**. He disagreed with the ancient Greek philosophers on the subject and correctly argued that we see when light enters our eyes, rather than as a result of light being emitted from our eyes.

Links to prior learning:

Materials (Y1)

Next steps:

Materials(Y2)

Electricity (Y2)

Links to other subjects:

RE: Light (Christianity: light symbols; Judaism: Hanukkah)

Physics

Science Y1: Light and dark

Key Vocabulary

light source a device that gives out light. You cannot see it in the dark. eg: sun, torch, candle

darkness the absence of light

reflection when light bounces back from an object.

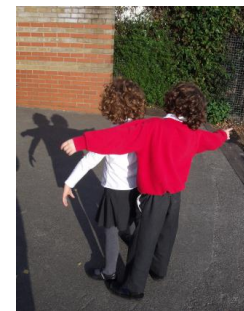
reflectors a device that reflects light eg: moon, mirror, high-vis jacket

shadow the dark shape made when something blocks light from a light source.

transparent materials let light pass through them in straight lines so that you can see clearly through eg: glass

opaque materials do not let light pass through eg: a brick

Light sources



Shadows



Reflectors

