

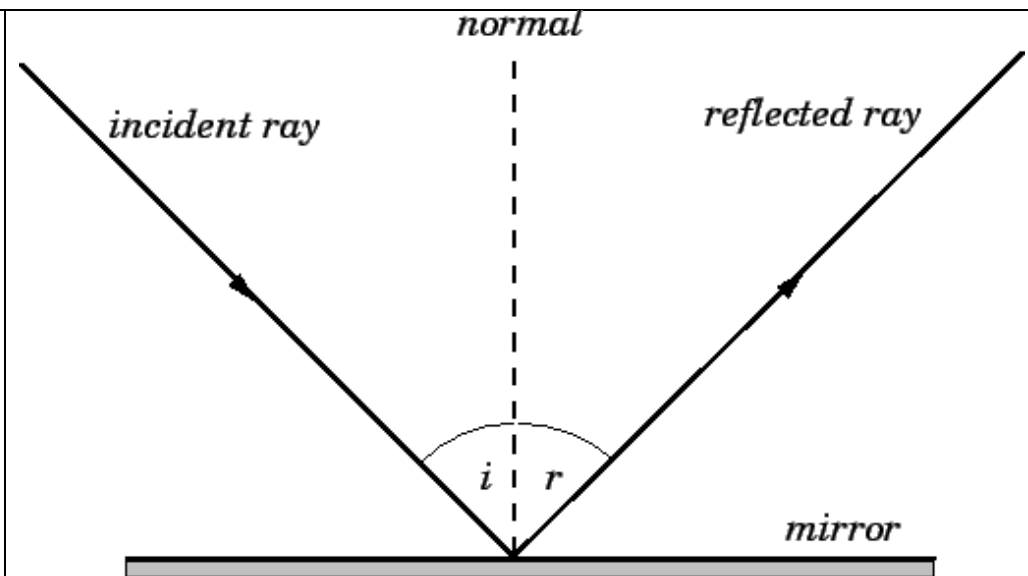
Sir John Offley CE VC Primary School  
'With God all things are possible'

**KS2 year 6 Light**

<b>Question</b>	<b>Answer</b>
How does light travel?	In straight lines.
What is light?	Everything is made up of tiny particles called atoms. After atoms are heated or have been excited in some other way, they give out light.
How do we see?	Objects give out or reflect light into our eye. We see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes
What is refraction?	Refraction is when light passes from one medium to another and the light changes direction.
What causes refraction?	Light moving between two different mediums with different densities. For examples, air and glass.
Why does light change directions in different mediums?	Because light travels at different speeds in different mediums
What is white light?	White light is made up of all colours of the spectrum
How can white light be split into all its colours?	Using a prism
Why can white light be split into its different colours when shone on a prism?	The different colours of light travel at different speeds
Why do the size of shadows change?	Shadows can change their size but not shape. As the light source moves towards the object, the shadow becomes larger. As the light source moves away from the object, the shadow becomes smaller.
What is reflection?	When light reflects back off an object
What is the law of reflection	The angle of incidence= angle of reflection

Sir John Offley CE VC Primary School  
'With God all things are possible'

Show the angle of reflection and refraction on a diagram



How do periscopes work?

