



Science – Year 6 - Light

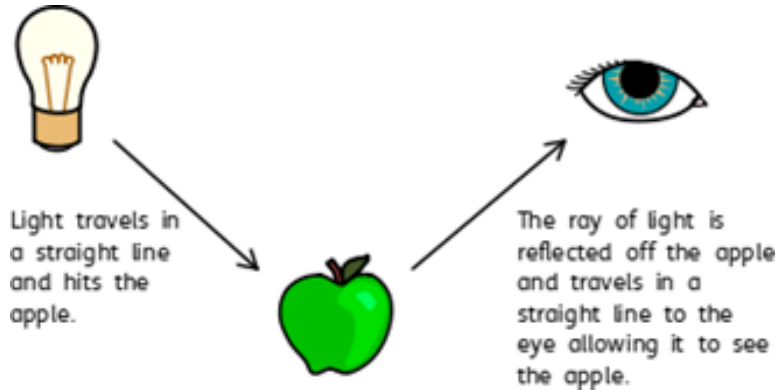


Concept – Energy travelling from one place to another

Vocabulary

- refraction - when light bends as it passes from one medium to another. E.g., Light bends when it moves from air into water.
- visible spectrum - light that is visible to the human eye. It is made up of a colour spectrum.
- incident ray - a ray of light that hits a surface.
- reflected ray – a ray of light that has bounced back after hitting a surface.
- the law of reflection - the law states that the angle of the incident ray is equal to the angle of the reflected ray.

How does light travel and how do we see?

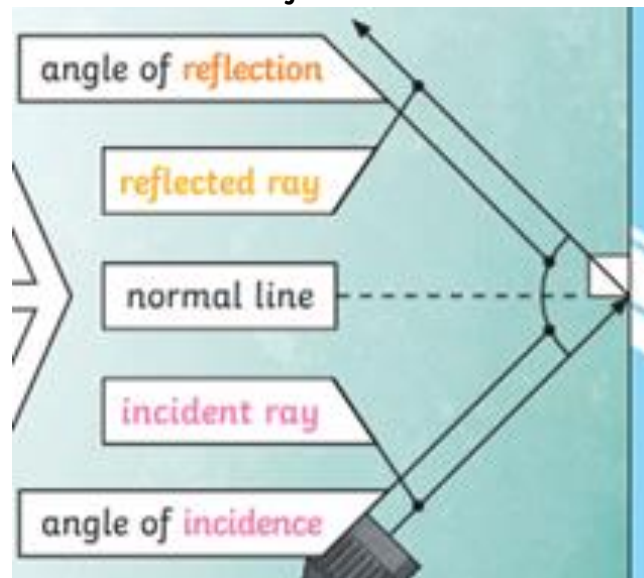


Refraction

The spoon in this water looks as if it is bent. This is because light bends when it moves from air to water. When light bends in this way, it is called refraction.



Reflection



How do we see colours?

Isaac Newton shone a light through a transparent prism, separating out light into the colours of the rainbow.

