



Key knowledge

Know why we have light and dark and its impact on our everyday life

Know what dark is (in relation to absence of light)

Know that we need light so we can see things

Know that light can be reflected

Know how a shadow is formed and why they change shape

Know the dangers of looking directly at the Sun

Vocabulary

reflection

Occurs when a ray of light hits a surface and bounces off

shadows

Is formed when an object blocks out the light. The object must be opaque or translucent to make a shadow

opaque

Opaque objects do not allow light to pass through them, in most cases creating a shadow

refraction

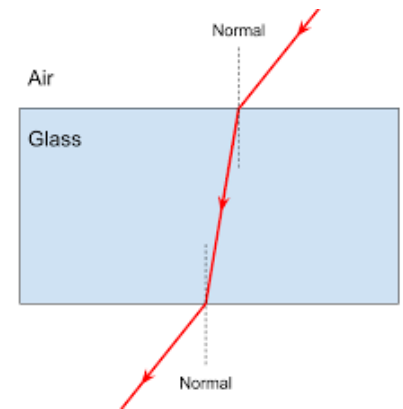
It is the change of direction of a light ray as it passes through different surfaces, for example, from air to water

convex

These are lenses, also called positive lenses. Are lenses that curve outward from the edges to the centre

concave

This is a lens where the centre of the lens is thinner than the edges



SCIENCE



Prior Knowledge -