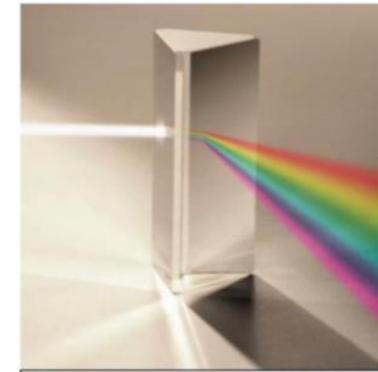


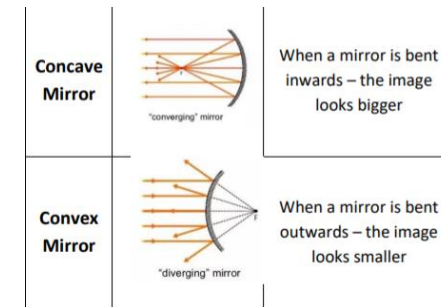
Science- Light optics Year 4




Key vocabulary	Definition
Light	A type of energy that makes it possible for us to see.
Optic	The study of light
Transparent	A property of a material that allows light to travel through it.
Opaque	A property of a material that does not allow light through it.
Translucent	Not transparent but clear enough to allow rays of light to pass through.
Reflection	Light can be reflected when it bounces off a surface, rather than being absorbed.
White light	A mixture of many different colours, each with a different frequency.
Lens	A curved, refracting surface which changes the light travelling through it.
Convex	Rays of light that pass through the lens are brought closer together
Magnify	To enlarge in fact or appearance
Telescope	An object with a lens to help us see far away things.
Microscope	An object with a lens which helps us see very small things.
Prism	A wedge shaped object which can split white light into a rainbow spectrum of colours.



A prism separates white light into the spectrum of colours: red, orange, yellow, green, blue, indigo and violet.

Mirrors



Key Vocabulary		Definition
Transparent		A property of a material that allows light to travel through it
Opaque		A property of a material that does not allow light through it
Translucent		Not clear material, however, allows some light to pass through.