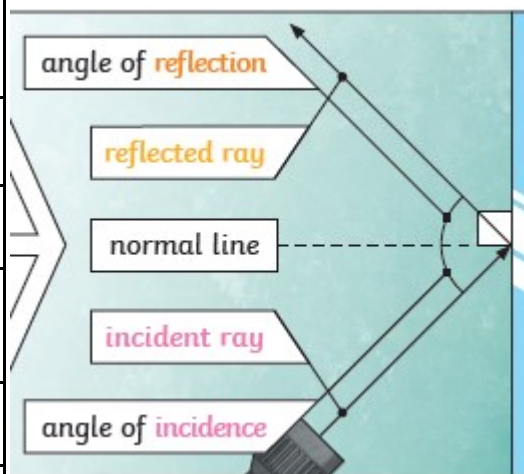
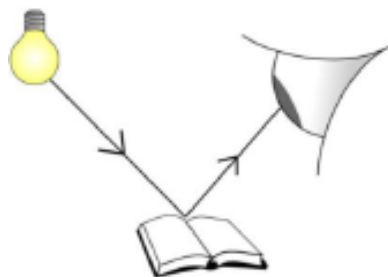


Science - Light Year 5 - Summer 2

Key Vocabulary

Light	A form of energy that travels in waves from a source
Light source	An object that makes its own light
Reflection	Reflection is when light bounces off a surface, changing the direction of a ray of light
Incident ray	A ray of light that hits a surface
Reflected ray	A ray of light that has bounced back after hitting a surface
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.
Shadow	An area of darkness where light has been blocked
Transparent	Describes objects that let light travel through them easily, meaning you can see through the object
Translucent	Describes objects that let some light through them
Opaque	Describes objects that do not let light pass through them



Resources

- Torches
- Shoe boxes

Safety Cards

Card 29 - Light

What key knowledge will I have by the end of this unit?

- Light travels in straight lines
- All surfaces reflect light unless they are perfectly black
- Non shiny surfaces scatter light so we don't see a single beam or a reflection.
- Shiny surfaces reflect light without scattering.
- Animals see when light enters their eye.
- Animals see objects when light is reflected off an object and enters their eye.
- Explain the formation of shadows using the theory of straight lines.

What key skills will I have by the end of this unit?

- Safety in science
- Grouping and classifying materials according to their properties
- Assessing risks when working with light
- Fair testing to adjust variables
- Planning their own light maze to allow light to travel in straight lines
- Evaluating their mazes

In KS1:	In Year 3:	In Year 4:	In Year 5:	In Year 6
	<ul style="list-style-type: none"> • Identifying opaque, translucent and transparent materials 			