

GGA – Science, Year 6

Summer Term: Light

Vocabulary

Angle	Dark
Dim	Electricity
Emits	Light
Mirror	Opaque
Reflects	Shadow
Source	Surface
Transparent	Translucent

Skills that I am going to learn.

Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary

Eg. Investigate how light travels using torches and mirrors.

Record data and results using test results to make predictions to set up further comparative and fair tests

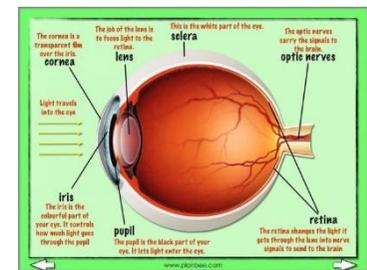
Eg. Use the results from investigations to create your own investigation.

Identify scientific evidence that has been used to support or refute ideas or arguments.

Eg. To understand how light travels to objects and then to the eyes so you can see.

Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate

Eg. Investigate shadows, sizes and shapes.
Explaining why.



Why are we learning this?

To know how...

- Light travels
- We are able to see objects
- Shadows are formed and why they are shaped that way

Why is it important?

So we understand...

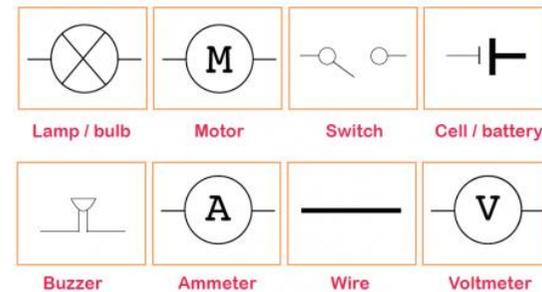
- How we are able to see objects and the role light has in this
- The light creates shadows and how and why they are formed/shaped

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Summer Term: Electricity

Vocabulary	
Ammeter	Appliances
Component	Energy
Fuel	Generate
Insulator	Conductor
Resistance	Resistor
Source	Voltage

Skills that I am going to learn.	
Planning different types of scientific enquiries to answer questions, including recognising and controlling variables.	Eg. Using different components in a circuit to see how it effects the overall outcome.
Recording data and results of increasing complexity using scientific diagrams and labels.	Eg. Record results of investigations drawing scientifically accurate diagrams
Reporting and presenting findings from enquiries, including conclusions and explanations	Eg. Explain what you have found out using scientific vocabulary and explaining why.



Why are we learning this?

To know how...

- Including more components can effect the brightness, sound etc
- Having an increase in voltage can effect the brightness, sound etc
- Electricity supplies power to different things through circuits

Why is it important?

So we understand...

- That the more we try to power the less effective can be
- That using more power can make things more effective
- That electricity powers most things that we use