

YEAR 3: DT Safety at Sea

What I should already know:

- Use a range of materials and components, including construction materials and kits.
- Measure, mark out, cut and shape materials and components.
- Assemble, join and combine materials and components.



At the end of this topic, I will know:

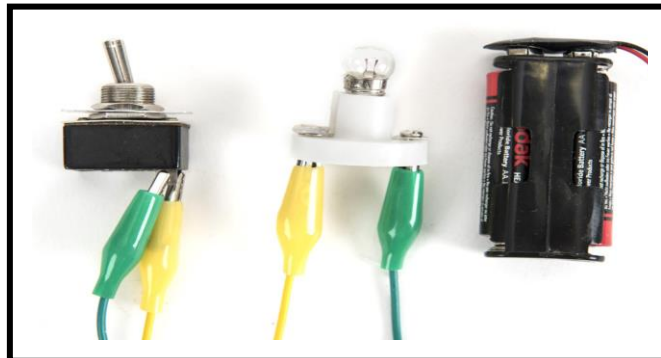
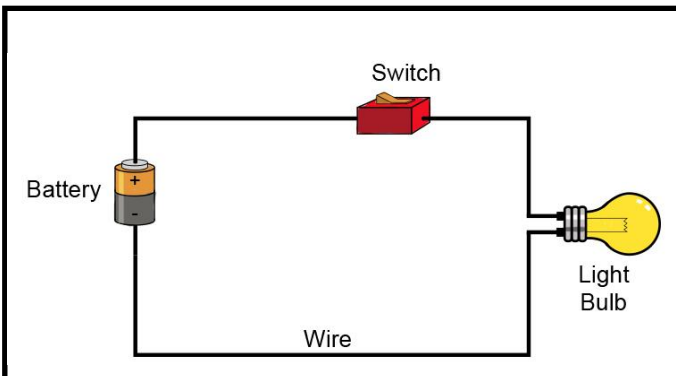
- Follow procedures for safety.
- Use wider range of materials and components than KS1.
- Measure, mark out, cut and shape out materials and components with some accuracy.
- Assemble, join and combine materials and components with some accuracy
- Apply understanding of how to strengthen, stiffen and reinforce more complex structures.

Key Facts:

Our oceans cover more than 70 per cent of the Earth's surface.

Nearly 100% of earth's living space is in the ocean.

The first known lighthouse was the Pharos of Alexandria, Egypt.



Vocabulary	
Assemble	Fit together the separate component parts of an object.
Component	Part of a larger model or machine
Construct	Build or make something
Fit for purpose	Well-equipped or well suited for its role or purpose.
Measure	To use a ruler to make sure the measurements for each component are accurate and fit together.
Plan	A detailed proposal or design for the model to be built.
PVA glue	Liquid glue that is safe for children to use.
Strengthen	Make stronger.
Electrical circuit	Path for transmitting electric current.
Input device	Devices where flow of electricity is activated e.g. switch, battery.
Output	Devices where flow of electricity is outputted e.g. bulb, motor, buzzer.
Electrical components	Parts of electrical system.
Fault	A problem in the electrical system that stops electricity from flowing through it.
Current	Flow of electricity.