

St Peter's Catholic Primary School

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:

- Generate ideas for an item, considering its purpose and the user/s- a lighthouse.
- Use their knowledge of a broad range of existing lighthouses to help generate their ideas
- Plan the order of their work before starting-When planning, start to explain their choice of materials and components including function and aesthetics.
- Use annotated sketches and cross-sectional drawings to develop and communicate their ideas
- Measure, mark out, cut, score and assemble components with more accuracy
- With direction use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]
- With support, program, monitor and control their products
- Evaluate their product against original design criteria e.g. how well it meets its intended purpose
- Evaluate their products carrying out appropriate tests

Year 3 DT – Safety at Sea

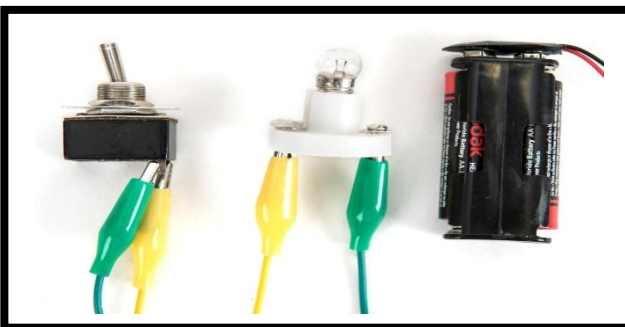


Key Facts:

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.
PVA	Liquid glue that is safe for children to use.
Strengthen	Make stronger.
Electrical circuit	Path for transmitting electric current.
Current	Flow of electricity.
Fault	A problem in the electrical system that stops electricity from flowing through it.

