



Linked learning theme: Where the Land Meets the Sea

Summer 2, Year 2

DT – Seaside nightlight

Prior knowledge

In Year 1, children have experienced making structures. They have learnt about how to make their structure more stable so that it meets its purpose. This is the first time children have used electricity as part of a product.

Core knowledge

- Prototypes / mock- ups etc can be used to see what a product might look like and help to adapt the design before the item is made
- In order to have a strong structure, appropriate materials must be selected.
- Different tools help us to do different jobs
- The design of an item must be aesthetically pleasing to the user, considering their wants and needs. It must also be functional.

Key skills

- Design purposeful, functional, appealing products for themselves and other users based on design criteria
- Generate, develop, model, and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology
- select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining, and finishing
- Select from and use a wide range of materials and components, including construction materials, textiles, and ingredients, according to their characteristics
- Build structures, exploring how they can be made stronger, stiffer, and more stable
- Explore and evaluate a range of existing products
- Evaluate their ideas and products against design criteria

Vocabulary	turn	thin	stick
design	stable	move	rotate
plan	pattern	strength	tall
evaluate	cut	product	strong
bend	build	glue	bright
join	thick	cut	

Learning Outcome

- I can link the product to its purpose.
- I can design products that are appealing, functional and purposeful.
- I can perform practical tasks using a range of materials and tools.
- I can say what I like or don't like about items I have made and explain why.

- I can build structures and explore how they can be made stiffer, stronger and more stable.