



# Design and make a Boat

## Key Knowledge:

- ✚ In order to make a boat it is important to plan carefully and think of the materials you may use:
- ✚ Recap - experiment with feathers, cardboard, tinfoil, corks, straws to find out which ones float and sink.
- ✚ Prediction- Which material will help the boat win a race?

## Quick Quiz!

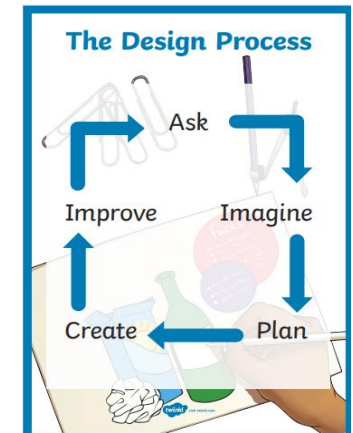
- ✚ What does a boat need to have to be able to float?
- ✚ Which materials are best to make a boat?
- ✚ Can you think of any famous boats?
- ✚ Do all boats have propellers?

## Opportunities of teaching diversity, equality and cultural capital:

Visit: Whitby Harbour look at the different features of boats and their properties/ Take part in mini boat race your local area include parents

## Key Vocabulary

- ✚ propeller
- ✚ float
- ✚ sink
- ✚ material
- ✚ buoyancy
- ✚ sail
- ✚ gravity
- ✚ predict



## My skills and knowledge that I may use from other subjects:

- ✚ Think carefully about the properties of materials from Science:
- ✚ When designing your boat think about the whether the material will absorb water or whether it is completely waterproof!

## What you have already learnt in reception:

- ✚ How to plan a simple design
- ✚ To ask for help when planning and designing
- ✚ Cutting skills and being able to join materials together.
- ✚ How to improve the design

### What you will have learnt by the end of KS1:

- ✓ I can think of an idea and plan what to do next.
- ✓ I can choose tools and materials and explain why I have chosen them.
- ✓ I can join materials and components in different ways.
- ✓ I can explain what went well with my work.
- ✓ I can explain why I have chosen specific textiles.
- ✓ I can measure materials to use in a model or structure.