

What I should already know:

Technical knowledge – to build structures, exploring how they can be made stronger, stiffer, and more stable.

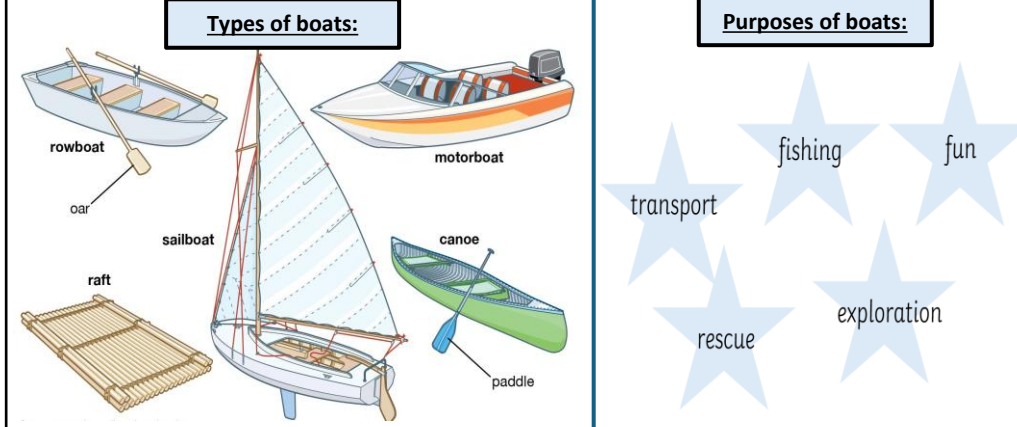
At the end of this topic, I will know:

Design – generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams.

Make – select from and use a wider range of tools and equipment to perform practical tasks accurately.

Technical knowledge - apply their understanding of how to strengthen, stiffen and reinforce more complex structures.

Key Facts:



How to make a propeller:

1. Put two pieces of wood on either side of the boat. The ends should stick out further than the boat.
2. Keep the pieces of wood in place by wrapping lots of elastic bands around or using glue.
3. Put two more elastic bands around the ends of the wood.
4. Next, put your propeller in the middle between the two pieces of wood.
5. Twist the propeller round so the elastic band gets twisted around the propeller.
6. Place the boat in water and let go of the propeller so the boat moves.



Vocabulary

Boat	A vehicle designed for navigation and travel across water.
Hull	The main body of a boat.
Deck	The flat surface of a boat that you walk on.
Mast and Sail	A tall pole and cloth that catches wind.
Bow	The front of a boat.
Stern	The back of a boat.
Propeller	A device that produces a force for moving a boat.

Features of a sailboat.

