CARDBOARD BOAT

ENGINEERING CHALLENGE

07

Designed by Ben, Design engineer at Dyson

The brief

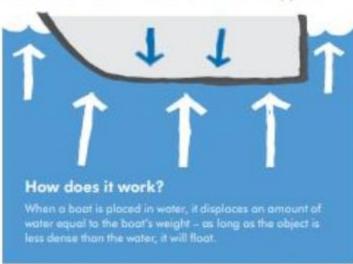
Construct a boat to support up to 250g without sinking.

The method

- Draw out the basic shape of your boat on the cardboard, and cut it out.
- Create walls for your boat from more cardboard.
- Stick the bottom of the boat and the walls together with tape or glue.
- Back everything with wax paper or foil be careful not to leave any gaps where the water can get in.
- 5. Place the 250g weight in the boat.
- 6. Set your boat afloat.

Top tip

Think about stability. Some shapes are more stable than others when a load is applied.



Materials

Cardboard

Wax paper

Tape or glue

Rubber bands

Foil

Scissors

(with adult supervision)

Craft knives

(with adult supervision)

A 250g weight

