



Aim

To explore the effects of water resistance.

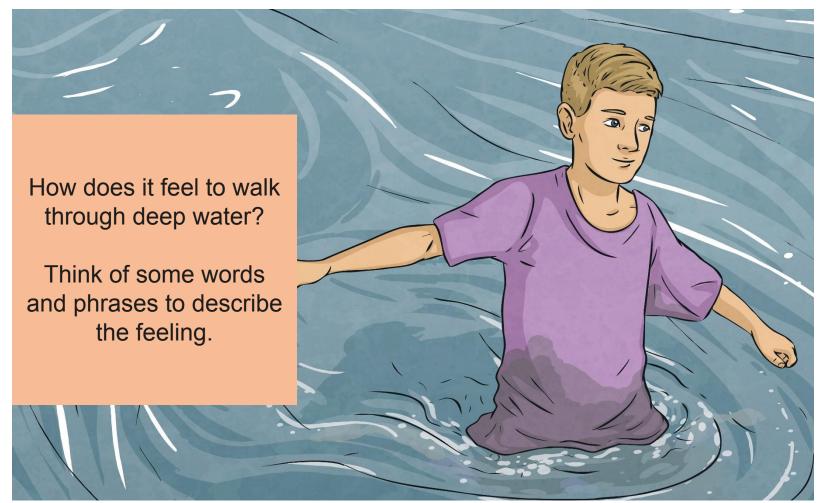


Success Criteria

- I can explain the effects of water resistance.
- I can identify streamlined shapes.
- I can minimise the effects of water resistance on an object.

Water Resistance

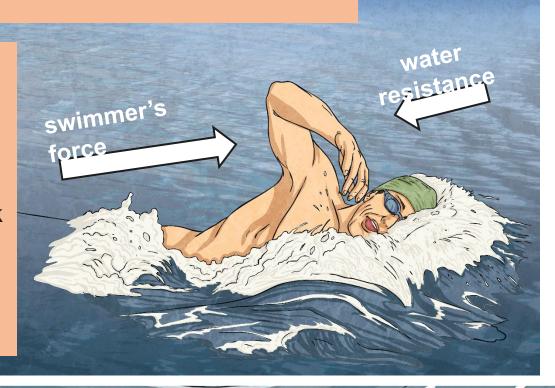




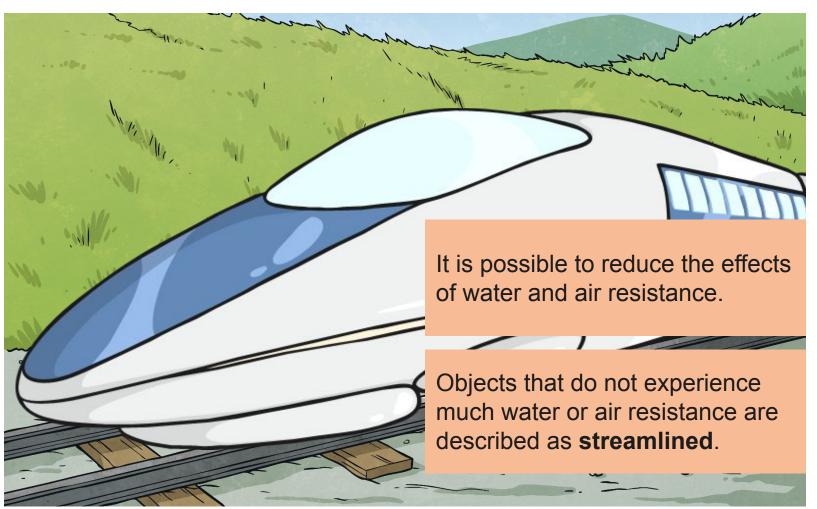
Water Resistance

If you have ever walked through water, you will have felt the effects of **water resistance** pushing against you.

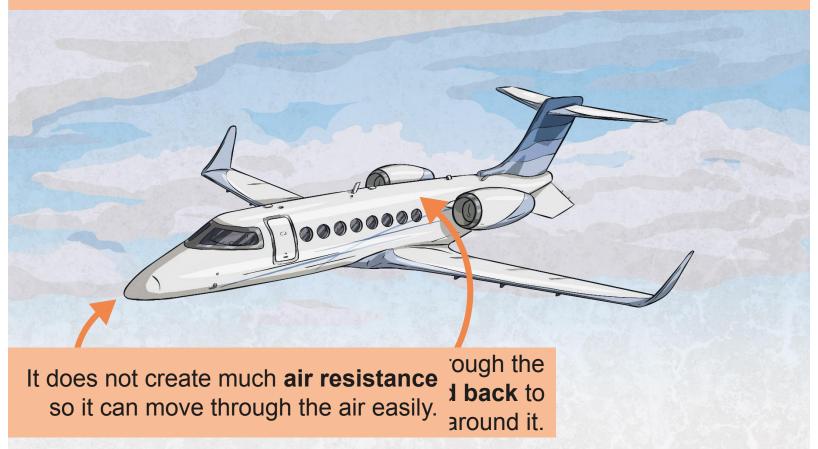
However, this also
helps you to swim, as
when you push against
the water with your
hands, the water
resistance pushes back
and helps you to move
forward, like using oars
to push against the
water to row a boat.



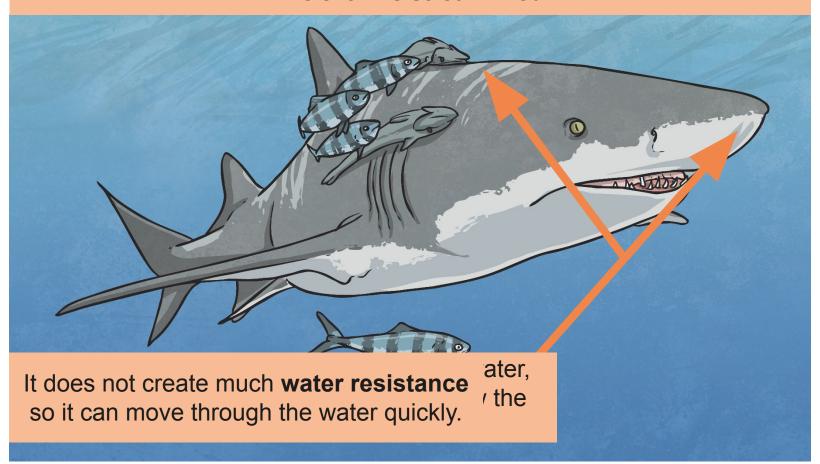




This aeroplane is streamlined.

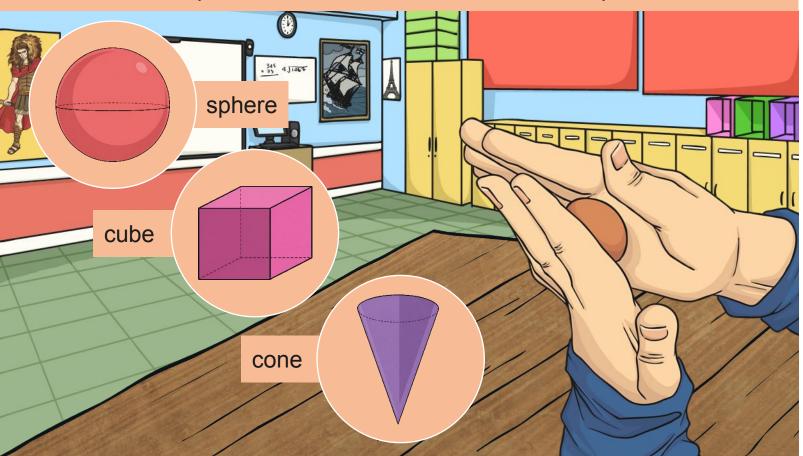


This shark is streamlined.

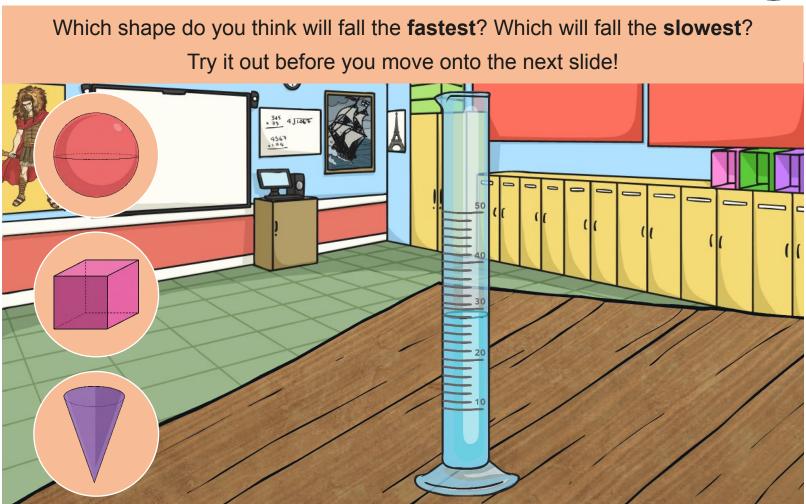




Then mould each piece into one of the three different shapes shown below.

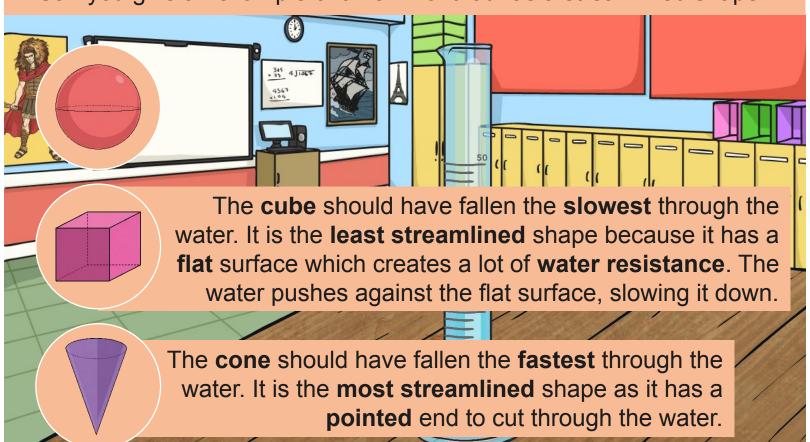






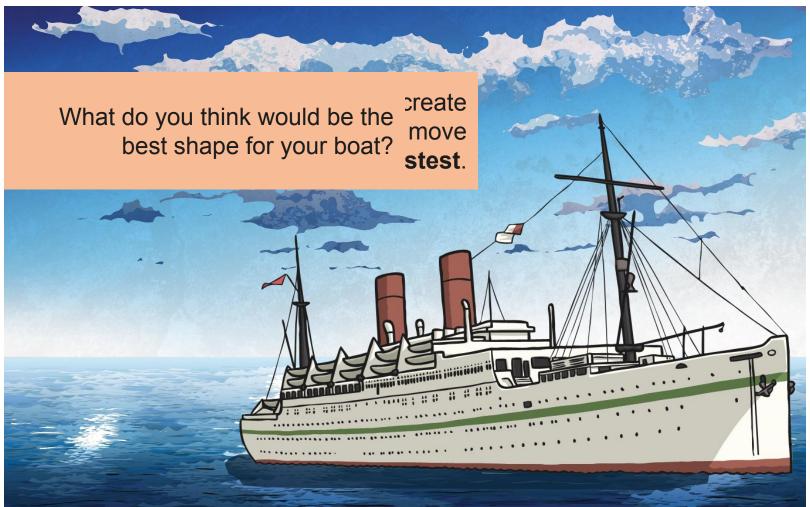


Can you give an example of an animal that has a streamlined shape?



Boat Building





Boat Building



Evaluate your boat's performance on your Boat Race Activity Sheet.

Make sure to explain the effects of water resistance and how you designed your boat to minimise these effects.



Apply Your Knowledge

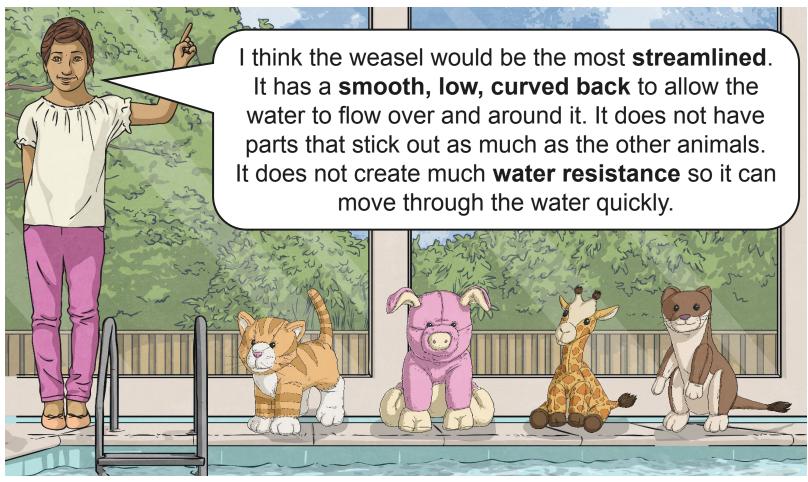


Talk to your partner about your ideas.

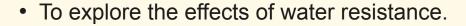


Apply Your Knowledge





Aim







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