

Aim

• To explore the effects of water resistance.

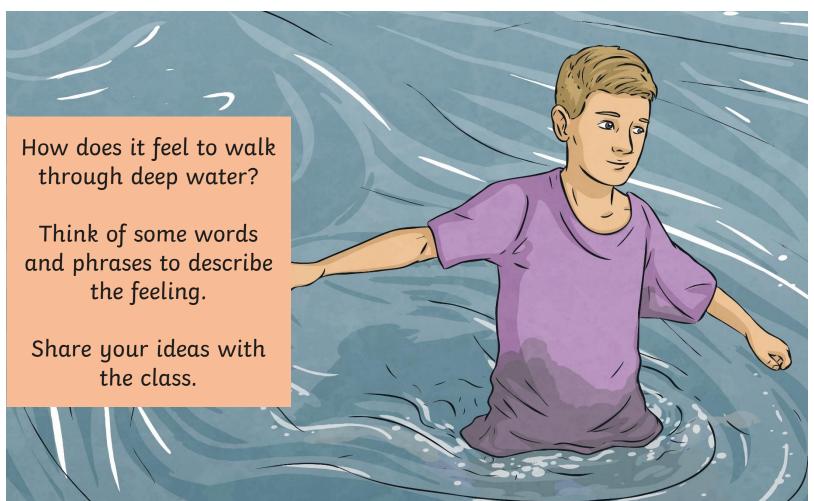


Success Criteria

- 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

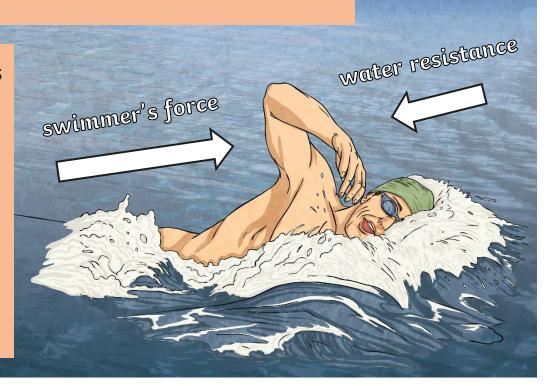




Water Resistance

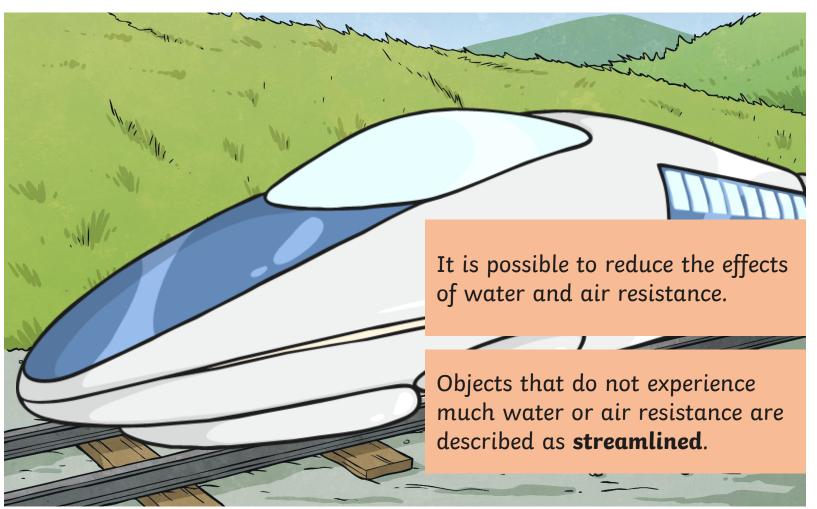
If you have ever walked through water, you will have felt the effects of **water resistance** pushing against you.

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.

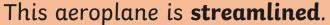


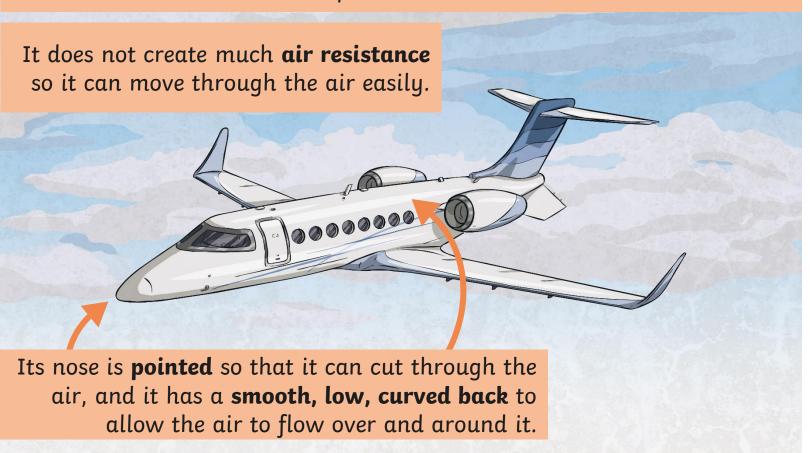
Streamlined Shapes





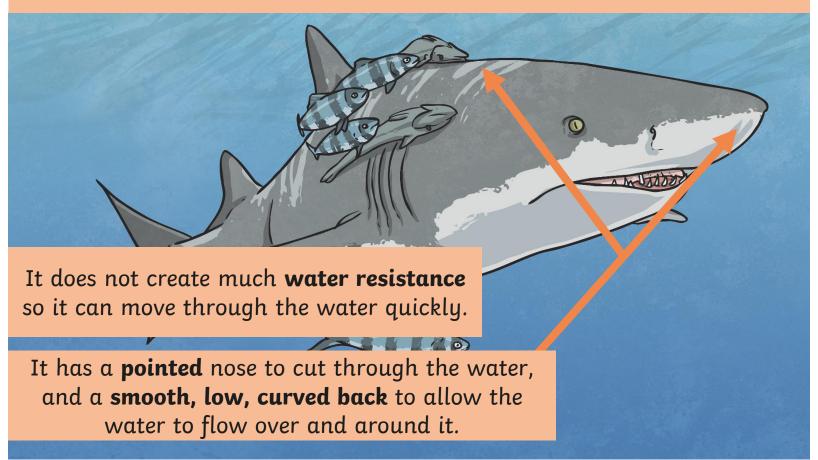
Streamlined Shapes





Streamlined Shapes

This shark is streamlined.



Boat Building



What do you think would be the best shape for your boat?

Your challenge today is to use what you have found out about water resistance and streamlined shapes to make a boat!

You will test your boats by blowing them along some water.

The most streamlined boat will create the least water resistance, and will move through the water the fastest.

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.

