

To identify the effects of water resistance by creating and racing streamlined boats

## Water resistance



Your mission today is to design and make a boat that will move through the water easily and quickly. You need a partner to make a boat as well OR you may need to make 2 different boats if you are struggling to find a partner.

Draw and label your boat design.

1. Do you think your boat (or boat number 1) will move through the water easily and quickly? Why/why not?

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2. How long did it take your boat (or boat number 1) to sail the length of the bath or cross the water tray in seconds?

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3. Did your boat (or boat number 1) take longer or a shorter time to sail across the water than the other boat?

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4. Why do you think your boat (or boat number 1) performed this way? Use the words below to explain your ideas.

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5. The boat that travelled the quicker time across the water did so because

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### Key words

Water resistance   streamlined   pointed   flat   curved   low   high   smooth   surface   push