





What job do Ruth and Shawn do?

What skills do they use?



What went wrong when they were building the robot?



What was your favourite part of the video?

What do you think is the best thing about being an engineer?



Activity 2 - Draw your own invention idea

Your Name:

This month's challenge:

Winter Inventions!

Send us your idea for an invention to keep you warm, or to help liven up the winter weather!

Tell us about your idea:

Your Age:

Interesting Fact:

Every year in Canada there's a Hair-Freezing Competition, to see who can create the best hairstyle by freezing their hair in the cold weather!



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Don't forget to give your invention a name!

Draw your Winter invention idea:



Upload your drawing or video to **www.kidsinventstuff.com**

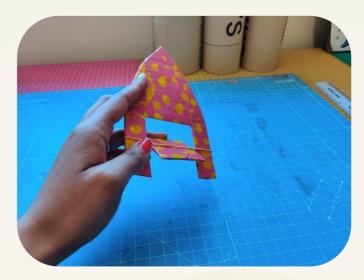
You can send us a video explaining your idea too!

Activity 3

Elastic Band Boats!

Here's how to use your own engineering skills to create an Elastic Band Powered Boat. You just need a few simple bits to make your own!

This is your own project, so don't be scared to try different ways of doing it!





Materials:

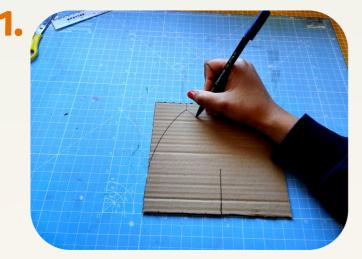
- Cardboard
- Duct Tape
- Elastic band



Equipment:

- Scissors
- Ruler
- Felt tip pen

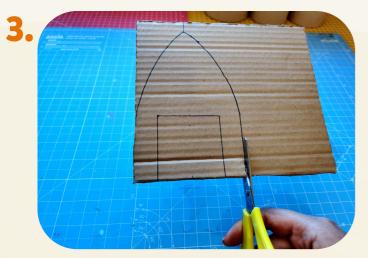




Use a felt tip pen to draw a boat shape on some cardboard.



Draw a 6cm square at the back of your boat shape.



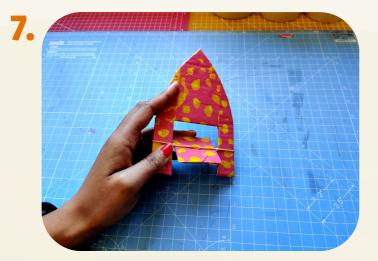
Cut out the boat shape using your scissors.



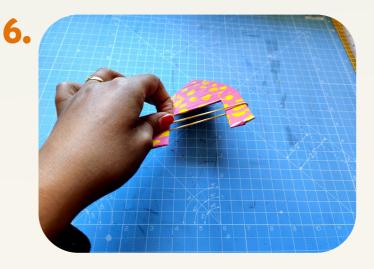
Cut out a 5cm square from some more cardboard. This is your propeller!



To waterproof your boat, wrap the boat and propeller in duct tape.



Slide the propeller through the elastic band & wind the propeller several times.



Stretch the elastic band around the space you cut out at the back of your boat shape.



Put your boat on some water to see it go!