

We can build our own rockets at home. They aren't as fiery but they're still plenty of fun!

Life
SCIENCE FOR ALL

Make your own rockets

We've been building our own rockets at home. Try these out, and make them your own.

Build your straw rocket

Use your best puff to send the rocket into the air.

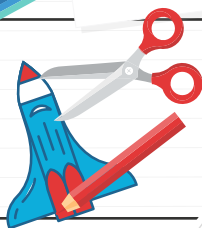
STEP 1

- Draw your rocket onto some **paper**. Use ours as a template if you like.



STEP 2

- Cut it out carefully with **scissors** and decorate it using **colouring pencils**.



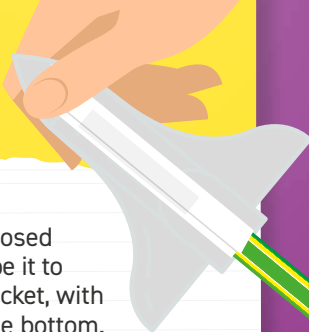
STEP 3

- Roll some paper into a tube around the **paper straw** and **tape** it together- don't make it too tight.



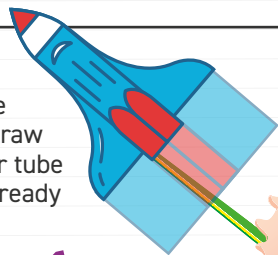
STEP 4

- Pinch your tube closed at one end and tape it to the back of your rocket, with the open end at the bottom.



STEP 5

- Slide the paper straw into your tube and get ready to puff!



3...2...1..
BLAST OFF!

Challenge yourself to see how high you can fire your rocket!

Notice how changing the angle of firing changes the way your rocket moves.

Personalise your rocket so everybody knows it's yours.



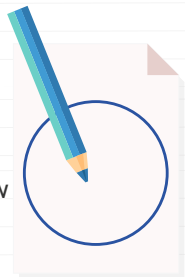
Whenever you are making toys to play with, they don't have to be perfect. The games you play are as much fun as making the toys.

Make a Bottle Rocket

Fire a paper rocket from an empty plastic bottle.
We found milk bottles and 2 litre pop bottles work well.

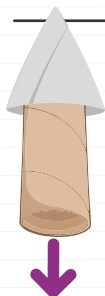
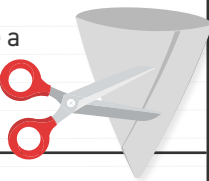
STEP 1

- Draw a circle of about 10cm diameter onto **paper** or **card** (you might draw around a small bowl or plate).



STEP 2

- Using **scissors**, cut into the centre of the circle, overlap the edges to make a cone and **tape** it in place.

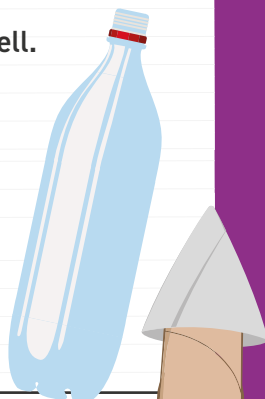


STEP 3

- Make small cuts around one end of the **toilet roll tube**. Fold these tabs out and use them to tape your cone to the tube.

STEP 4

- Place your toilet roll rocket on top of the **empty plastic bottle**, count down and push the sides of the bottle together as hard as you can!



STEP 5

- Make sure to blow some air back into the bottle before the next launch.

IF YOU ARE FEELING ADVENTUROUS...

make a bigger launch pad by taping a length of tube to the neck of your bottle. Tape your tube upright onto a box and put your rocket on the tube. You can stomp on the bottle to send the rocket even higher!

Before you launch your rocket, always make sure the space above is clear of people's noses - including yours!

Improvise if you don't have exactly the materials you need. Finding new ways to use things changes the way you see the world around you.

Share your creations with us on social media @scienceatlife.
For more activities you can do at home, go to life.org.uk/life-goes-online