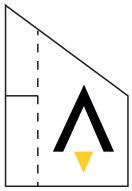
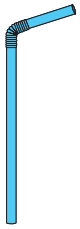
HARWELL ROCKET GROUP

Build and launch a paper rocket!

You will need:

- 1 piece of paper (A4)
- 1 straw
- 1 pencil (the same diameter as the straw or slightly bigger)
- 1 pair of scissors - please ask an adult to use the scissors
- Sticky tape
- Rocket fins





Make the rocket:

1. Cut a strip from the longest side of the piece of paper, about 5cm wide.

2. Hold the strip of paper at an angle to the pencil, and wrap the paper tightly around the pencil.

3. Use a few pieces of tape to stick the paper in place. Remove the pencil.

4. Cut off each end of the tube to make a cylinder. You have now made the body of your rocket.

5. Next we need a nose for the rocket. Fold over one end of the paper tube to make a point and stick it in place.

Launch your rocket:

6. Put the straw inside your paper tube, leaving a bit of the straw out at one end.

7. Blow through the straw!

How can we make it fly better? We need to add fins!

8. Cut out the rocket fins from the template. Cut a small slit along the solid black line for each fin.

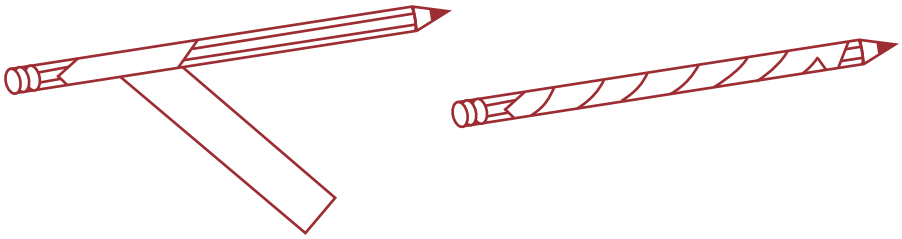
9. For each fin, fold along the dotted line to make 2 flaps that go in opposite directions.

10. Stick your fins onto the body. Launch your rocket again!

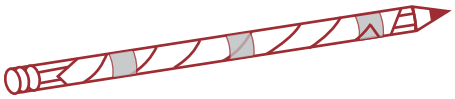
You can choose how many fins to use. What do you think will work best? Try adding more or less fins and see what happens.

Make the rocket body and nose:

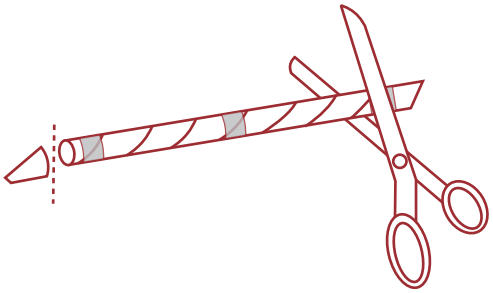
Step 1 and Step 2



Step 3

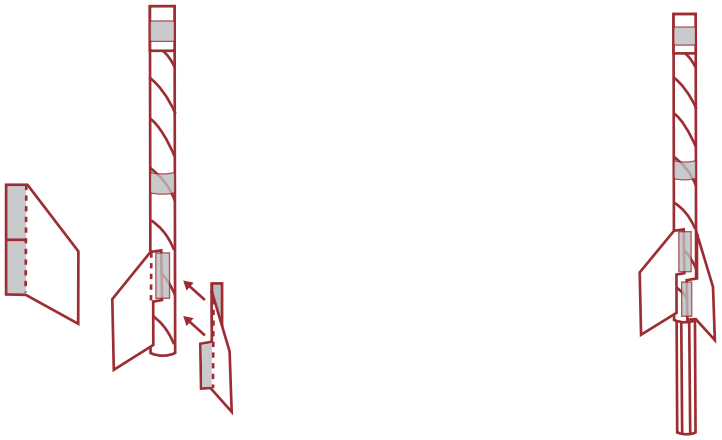
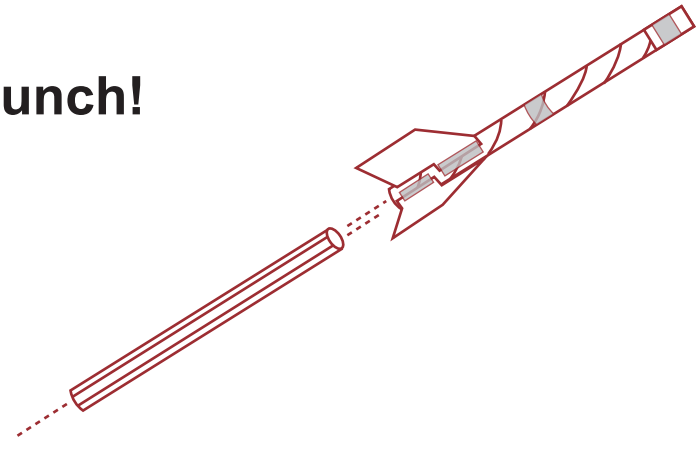
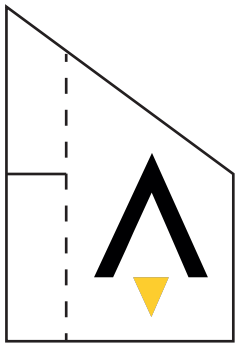
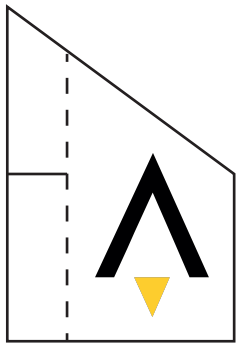
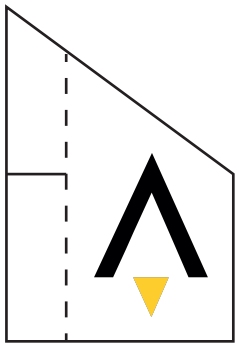
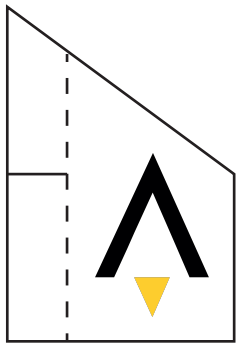


Step 4



Step 5

Add the fins: Step 9 and Step 10



Launch!