

Like it? Make it!

Rockin' rockets!

- impress your pals with your very own pop rocket...



What you'll need

- Sheets of sturdy, coloured paper
- Scissors
- Tape
- Empty camera film canister (one with a cap that fits INSIDE the rim)
- Effervescent (fizzing) tablets (the kind used to settle an upset stomach are best! Ask an adult for these)
- Eye protection, like sunglasses, swimming or safety goggles
- An adult must be with you at launch



Start here!

1 Set the film canister on the table, LID END DOWN. Make a tube by taping some paper - 15cm tall x 13cm wide - around the film canister.

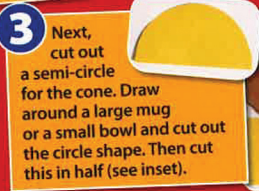


2

Now cut out four fins for your rocket, fold as shown, and tape them to the rocket.

Did you know?

The first rocket that got into space was the V2 missile, which was first launched by Germany, way back in 1942.



3

Next, cut out a semi-circle for the cone. Draw around a large mug or a small bowl and cut out the circle shape. Then cut this in half (see inset).



4

Roll the card to form a cone as shown (make the large end of the cone bigger than the top of your rocket). Tape the cone onto your rocket (try to hide the tape!).



5

Your rocket is ready! Take it outside and get ready for launch...

Make your rocket look out of this world by customising it! Get busy with stars, glitter, shiny paper and glitter pens!



Why not have a contest with friends to see whose rocket goes the highest?!



1

Put on your glasses/safety goggles.

2

Turn the rocket upside down and carefully fill the canister one-third full of water. Work quickly on the next steps!

3

Drop in one-half of the fizzy tablet.

4

Snap the lid on tight.

5

Stand the rocket on a flat surface.

6

Move back and watch the launch!



How does it work?

When the fizzy tablet is placed in water, little bubbles of gas escape. The bubbles move upwards, because they weigh less than water. When they get to the surface of the water, they break open. All the gas that has escaped from the bubbles pushes on the sides of the canister.

When you blow up a balloon, the air inside makes the balloon stretch and grow bigger. However, the film canister can't stretch and the gas has to go somewhere! Eventually, something has to give, so the canister pops its top (which is really its bottom, as it's upside down)! All the water and gas rush down and out, pushing the canister up, along with the rocket attached to it. *Kaboom!*

