

Flying bottle rocket

Get crafty and journey into space with your very own flying rocket

What you need:

- An empty, 1 litre plastic bottle
- Four paper straws
- Sticky tape
- A cork
- White vinegar
- Four teaspoons of bicarbonate of soda
- A piece of kitchen roll

Instructions:

Step 1: Decorate your rocket so it's ready for takeoff.

Step 2: Tape four paper straws to the top of your bottle so that it will stand by itself when you turn it upside down.

Step 3: Tear off one piece of kitchen roll and place four teaspoons of bicarbonate of soda in the middle.

Step 4: Roll the kitchen roll, twisting each end so that the bicarbonate of soda is wrapped like a sweet.

Step 5: Fill $\frac{1}{4}$ of your bottle up with vinegar and screw the top back on.

Step 6: Head outside and find some flat ground to launch your rocket from. Make sure it can stand up on its own.

Step 7: (This next part should be done by an adult!) Holding the bottle upright and steady, take off the lid and place the bicarbonate of soda parcel inside.

Step 8: Quickly push the cork firmly into the bottle making sure it is tight enough that no gas can escape.

Step 9: Turn the bottle upside down, place it on the ground and take five to ten steps back.

Step 10: Watch your rocket launch!

Safety tips:

- Make sure everyone is stood a safe distance away when the rocket launches.
- After handling vinegar it is best to wash your hands.
- Pour a little water over the launch area once you're done.
- If your rocket doesn't launch, do not approach it. Wait for a while and if it still hasn't launched, throw a blanket or towel over it. Keep at arm's length and then pull the cork out carefully to let it drain.



Tasty fruit rockets

Create some delicious space inspired snacks.
They're easy to make, fun to eat and healthy too!

What you need:

- Strawberries
- Grapes
- Blueberries
- Pineapple or melon
- Wooden kebab skewers
- Knife
- Chopping board

Instructions:

Step 1: Wash and dry your fruit.

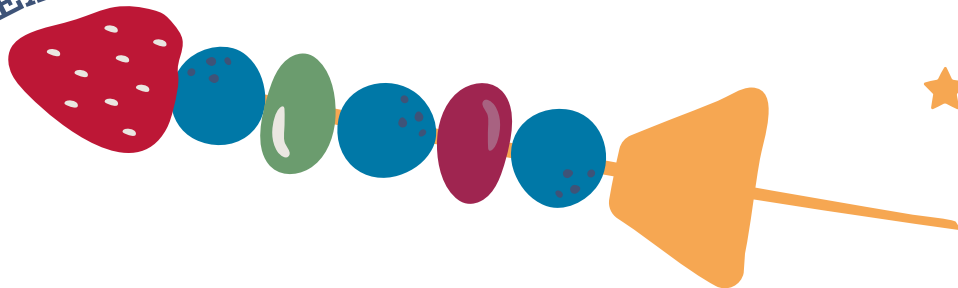
Step 2: Chop the tops off your strawberries and cut your pineapple or melon into triangle pieces.

Step 3: Carefully slide a piece of pineapple or melon onto your skewer, then add a mix of grapes and blueberries and finish with a strawberry at the top.

Step 4: Repeat on as many skewers as you'd like.

Step 5: Serve and enjoy.

Example:



Top tips:

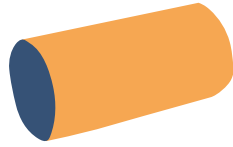
- If you can, get some green and purple grapes so you have more colour to play with!
- Marshmallows can be added as an extra treat.
- Why not make a few and create a pretty platter for your family to share?

Toilet roll rockets

Have some fun and fly into space on board your terrific toilet roll rocket

What you need:

- One toilet roll tube
- Coloured paper
- Aluminium foil
- Scissors
- Glue



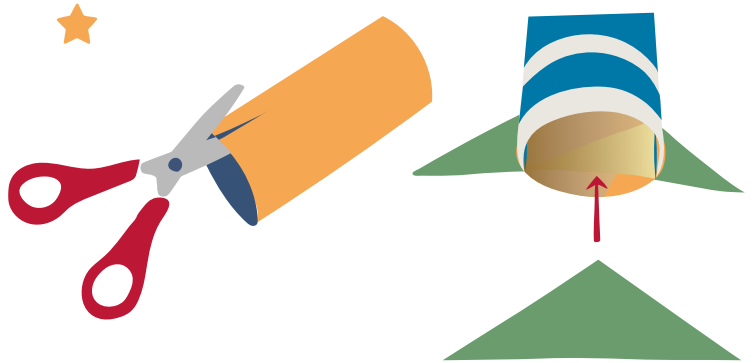
Instructions:

Step 1: Cut a piece of coloured paper so that it is the same height as your toilet roll tube and wide enough to cover it.

Step 2: Wrap the paper around the toilet roll tube and glue it down.

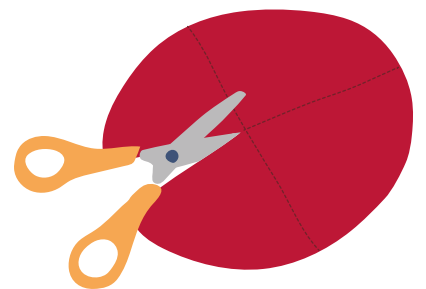
Step 3: Cut two strips of foil and glue them around the bottom of the rocket. Then cut three small circles and glue them to the top as windows.

Step 4: Cut two slits at the base of the tube opposite each other. Then cut a triangle out of a different coloured piece of paper. It needs to be wider than the base of the rocket. Slide it upwards into the slits.



Step 5: Using a piece of paper that is either the same colour as your triangle or a new colour, trace around a small drinking glass to make a circle and cut it out. This will be your nose cone.

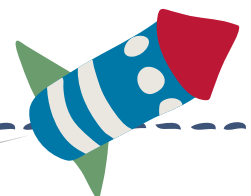
Step 6: Draw an 'X' across the circle and cut down one of the lines to the centre point.



Step 7: Roll the circle into a cone shape and glue it together.

Step 8: Draw a ring of glue around the rim of the top of your toilet roll tube, place the cone on top and press it into the glue until it's dry.

Step 9: Your toilet roll rocket is ready for take-off!



Top tip:

- Use a range of colourful paper for a brighter rocket.