

Year 5 - Science - Enrichment task

SCIENCE MUSEUM GROUP



Make your very own rocket mouse and launcher – see how high your mouse can fly!

You will need:



An empty plastic milk bottle (4- or 6-pint bottles work best)



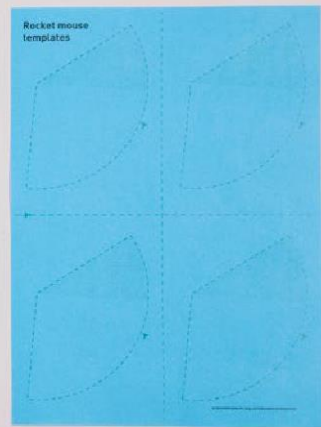
Things to decorate your rocket, eg pens, tissue paper, coloured card, feathers, glitter



Scissors



Sticky tape



A rocket mouse template

Think and write about

- What makes your rocket fly?
- What makes it come down again?
- How do you think a real rocket works?

Extension task

- How could you make your rocket travel higher?
- How could you make your rocket go more slowly?
 - Can you make your rocket spin as it falls

Success Criteria

- ✓ Draw a diagram of your model being launched in your enrichment book.
- ✓ Label the forces acting on your model using arrows.
Challenge name the forces if you can.
- ✓ Take a photograph of your model and stick it into your enrichment book.
- ✓ Write a short evaluation of your experience of making and launching your rocket mouse.

Follow these steps...



1 Cut out a template along the dotted lines.



2 Roll it into a cone shape and secure it with tape –this is your rocket.



3 Decorate your rocket any way you like...



4 Now pop it on top of the bottle.



5 Hit the sides and launch your rocket into the air!

Science in your world

Just as increasing the air pressure in the bottle sends the rocket flying, you use air pressure when you squeeze shampoo or ketchup from a plastic bottle.



