Rocket Mice

Make your own rocket mice launchers.

Scan the QR code to see how to make your rocket mice.

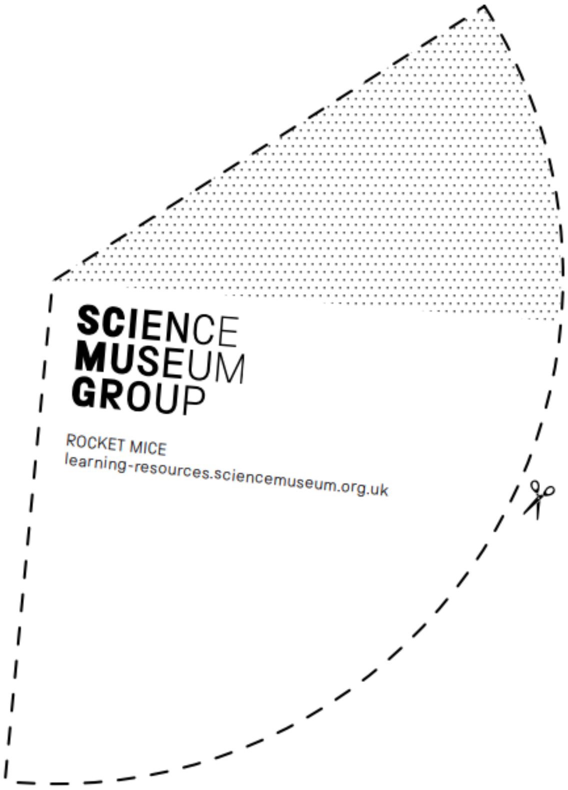
You will also find step-by-step instructions and a template provided below.

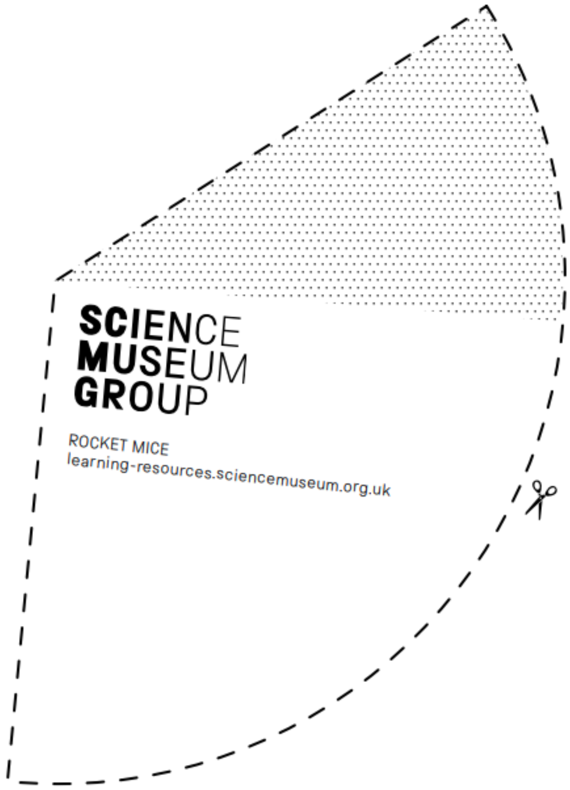
1. Explore with 3 different sized bottles.
2. Make predictions e.g. I think x will go the furthest because…
3. Note down ideas for measuring e.g., hold next to a metre ruler, put a sticky note on the wall to show how high it got, shoot them across the floor (45° bottle) – this can create a 'floor graph'.
4. Select a method of comparing/measuring then try comparing different sized bottles again e.g., try measuring in 3s or have class competition by shooting mice across the floor.
5. Observe which mouse went the furthest.
6. Explain how you knew it went further.

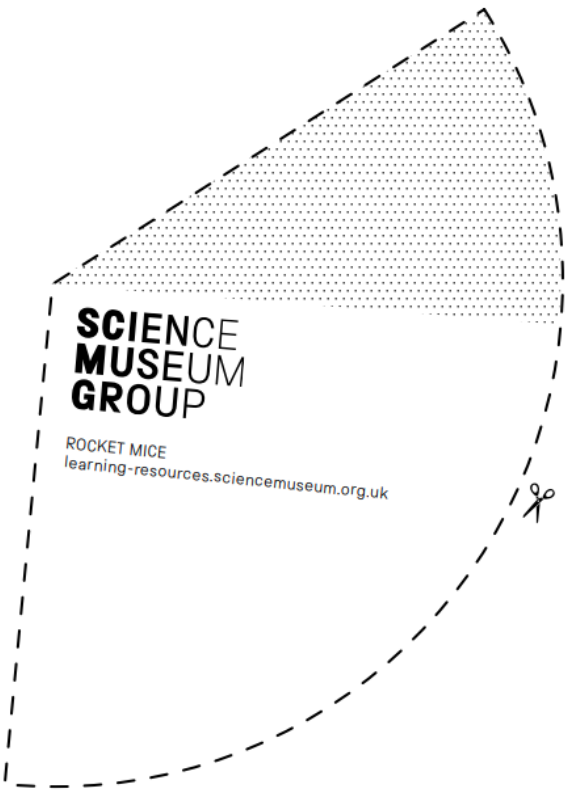
Questions to support your thinking:

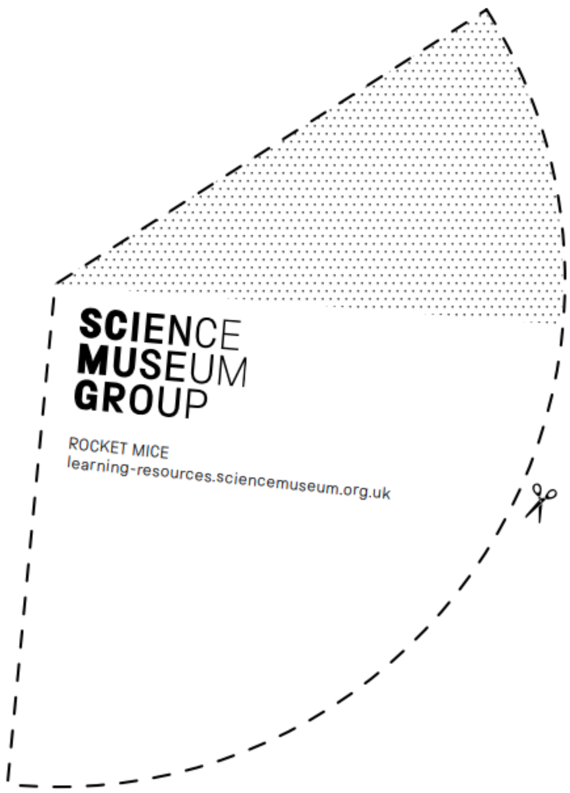
- Whose mouse went the furthest?
- How do you know it went further?
- How will you measure how far/high it goes?
- Does it go that far every time?
- What if we try a different bottle/mouse?
- How could we make it go even further?

Task adapted from TAPS courtesy of









Source images: Science Museum Group
https://learning.sciencemuseumgroup.org.uk/wp-content/uploads/2019/02/SMG-Learning-Activities-Rocket-Mice.pdf

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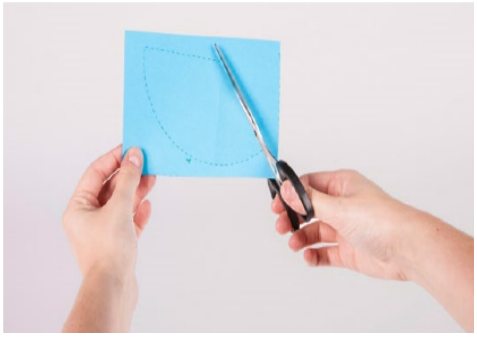
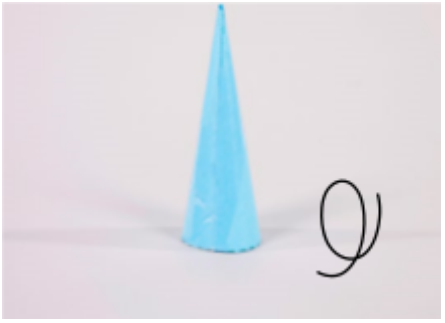
Instructions: How to make a rocket mouse

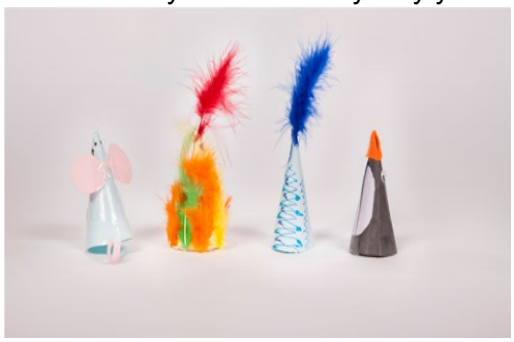




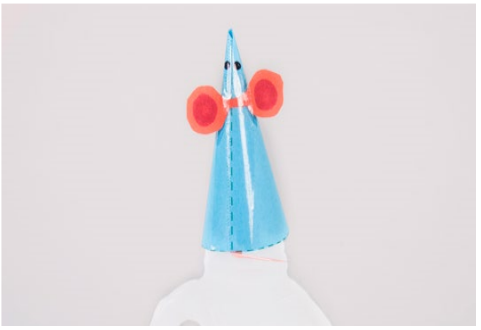
1. **Cut** out a template along the dotted lines.

2. **Roll** it into a cone shape. This is your rocket.

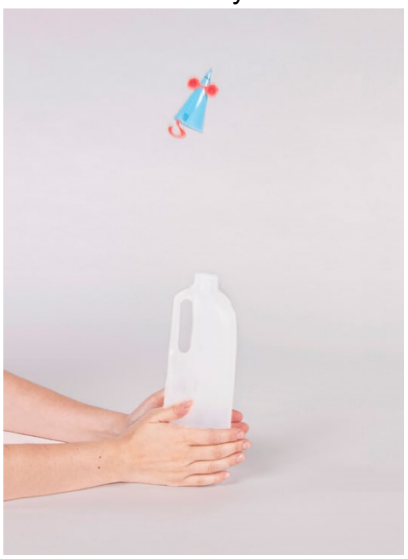
3. **Decorate** your rocket any way you like.



4. Now **place** it on top of a plastic bottle.



5. **Hit** side sides to **launch** your rocket into the air.



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