

PK Rocket

What is this activity about?

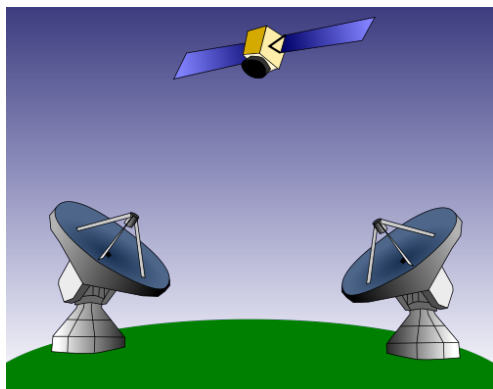
To build a simple rocket and explore how to control its flight.

What you need:

- a pencil
- a straw
- scissors
- sellotape
- model rocket template - print the last page of this document



How is it linked to PK Porthcurno?



Although most of our everyday communications travel through undersea cables, satellites are an important part of global communication.

Rockets are used to launch satellites into orbit around the Earth.

IPicture Credit: RAM_30m_midday.jpg: Juan de Dios Santander Vela from Granada, Spain
GPS_Satellite_NASA_art-iff.jpg: created by NASA
derivative work: MichaelFrey

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What to do

- Print the last page of this document
- Follow the instructions on that page to make the rocket - these photos should help
- Investigate:

What's the best angle to launch your rocket to get it to fly a long way? Horizontally? Vertically? Somewhere in between?

How can you make sure your test is fair?

How can you use the fins to control the flight?



Hygiene- stay safe

Remember not to share straws or rockets - reduce the risk of spreading viruses or bacteria!

Did you know?

Strictly speaking your model is a projectile, not a rocket. Have a look at this European Space Agency page to find out about how rockets work:

https://www.esa.int/kids/en/learn/Technology/Rockets/How_does_a_rocket_work

SpaceX's Starlink project aims to bring the internet to remote places which are not served by cables. There are hundreds of Starlink satellites already in orbit. Eventually there could be as many as 12,000!

Here at PK Porthcurno,, we really don't like plastic waste. We recommend using paper straws for this activity. Even better, if you have a reusable steel straw, you can use that.



Connect with us

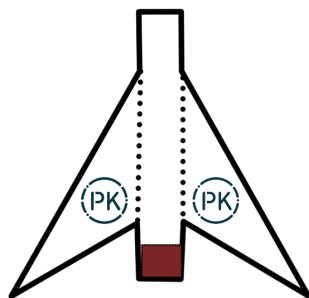
Decorate the rockets you make, or video them in flight, and share on our social media channels- we'd love to see them!



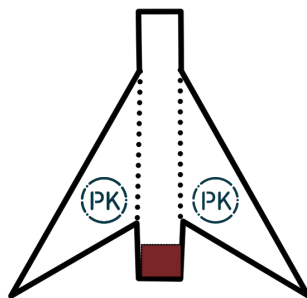
#pkporthcurno #pkrockets #steamexplorers #playfulmuseums

P K Rocket

1. Colour the fins and body
2. Cut out the fins and body on the **bold** lines
3. Wrap body around pencil and tape edge
4. Twist top into a point and tape closed
5. Tape top and bottom tabs of fins to body and bend fins out on dotted lines
6. Remove pencil, place rocket on straw and blow to launch!



Fins



Body

