



## ALFIE FOX'S CREATIVE IDEAS FOR KIDS

### POP ROCKET



Rockets use chemical reactions which produce a lot of expanding gas to create thrust to push the rocket up into space.  
Why not create your own mini rocket and test this out for yourself.

#### YOU WILL NEED

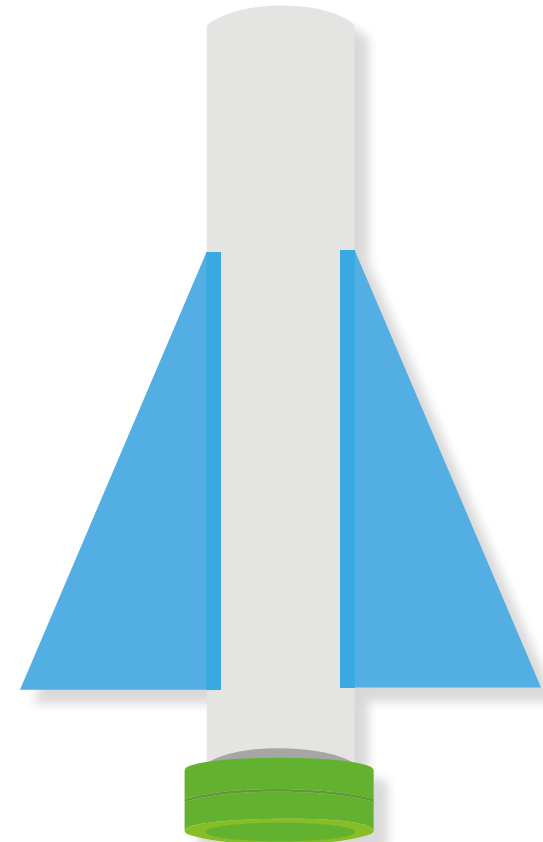
- A small film container, or pop lid tube e.g. an empty tube for effervescent vitamin tablets - not a screw lid container!
- Effervescent tablet e.g. vitamin tablet
- Water
- Decorations (get creative with stickers, pens and colourful materials to make your rocket look really special)
- Sticky tape

1. Turn your container upside down so the lid is at the base.  
Decorate your container with your favourite colours and stickers.  
Give it fins and a nose cone like a real rocket
2. Place an effervescent tablet in the empty container.
3. Take it outside to open space, big enough for you to be able to stand 2meters away from the launching rocket.
4. Stand back and ask an adult to add a little water  
(*about a tablespoon is enough for a small container*).  
The adult should then quickly put the lid securely on and place the rocket lid side down on the ground.

#### 5. SAFETY NOTICE

The chemical reaction between the tablet and the water releases a lot of gas. The gas will expand inside the container until it sends the container blasting into the air.

**Stand back 2m and then watch your rocket BLAST OFF!**



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#### How high did it fly?

Try using a whole effervescent tablet and compare. Record your rocket flight and share and compare how others have done.