

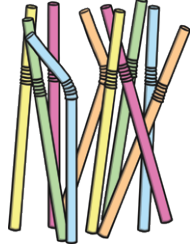
Awe and Wonder

Squeezy Bottle Rocket

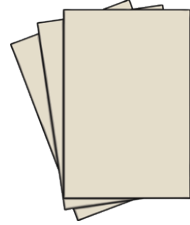
You will need:



empty water bottle
(with sports cap)



straws (one slightly
wider than the other)



cardboard



scissors



glue/sticky tape



sticky tack



modelling clay

Method:

1. Lift up the sports cap on the bottle and push in half of the thinner straw. Seal around it with modelling clay.
2. Squeeze the bottle to make sure the air comes out of the straw, not the sides (you may need to add more modelling clay if it comes out of the sides).
3. On the cardboard, design and cut out your model rocket.
4. Block one end of the wider straw with sticky tack and attach the rocket onto the side of the straw at the sealed end.
5. Place the wider straw over the thinner straw to sit your rocket on top of the bottle.
6. Squeeze the bottle and your rocket should lift off!

The Science

The pressure of the air being forced up out of the bottle pushes against the sealed end of the straw, pushing the rocket up into the air.