

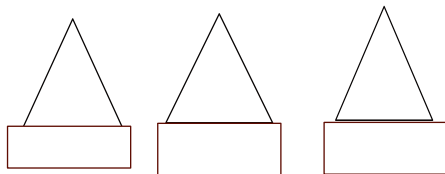
Water Rocket Instruction sheet



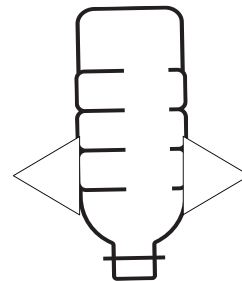
Resources to make water rocket

- Rocket template (one per team)
- Rocket instructions (one per team)
- 1.5 litre plastic bottle (one per team)
- Strong sticky tape (gaffer tape)
- Scissors
- Ruler
- Marker pen
- Strong card or cardboard from boxes
- Bottle cork that fits the plastic bottle opening (one per team and extras incase some get damaged)

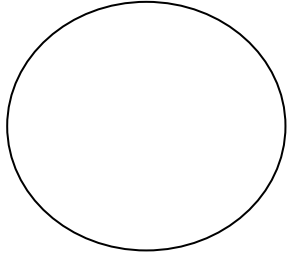
1. Cut out the fin templates and draw them on to the card. You need to draw 3 fins with the tabs.



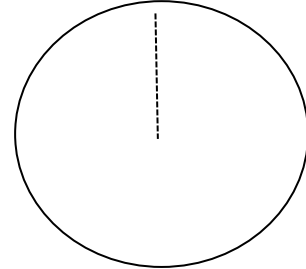
2. Cut out the card fins and stick them on to the bottle with sticky tape. Stick them equal distance apart.



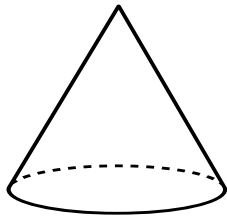
3. Cut out the nose cone template and use that to draw onto the cardboard.



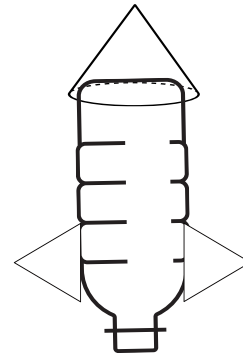
4. Cut out the nose cone cardboard shape. Then cut along the dotted lines that are inside the circle.



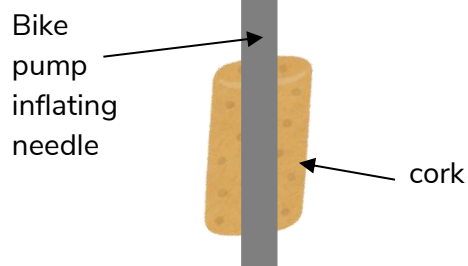
5. Fold the circle to make a cone and stick it using sticky tape.



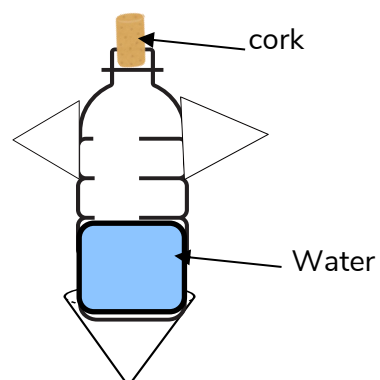
6. Stick the cone on to the bottom of the plastic bottle using sticky tape.



7. Pierce the inflating needle of the bike pump into the centre of the cork, making sure it goes right through and comes out the other end.



8. The rocket launch controller will fill the bottle 1/3 with water and then place the cork into the opening of the bottle.



9. The rocket is then placed on the launcher (this could be something strong like block of wood or 2 pieces of bricks to hold it up) ready to be launched.

