

# Balloon Rockets – worksheet

## Make and test a Balloon powered rocket

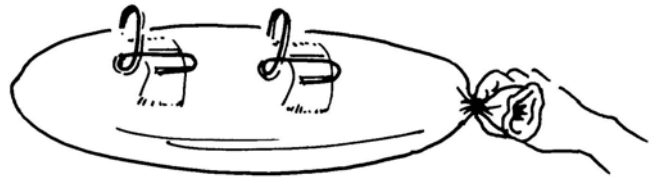
**Equipment Required per Team:** Long Balloons, paperclips, sticky tape, tape measure, smooth thread (fishing line is ideal)

### Follow these instructions:

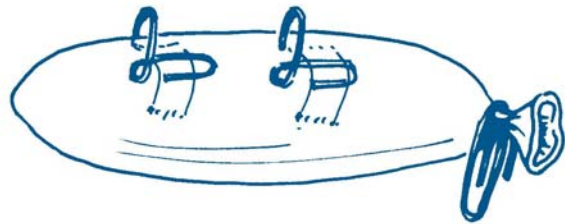
1. Bend two paper clips to make two hooks.



2. Blow up a balloon and sellotape the two hooks in a straight line to the 'top'.

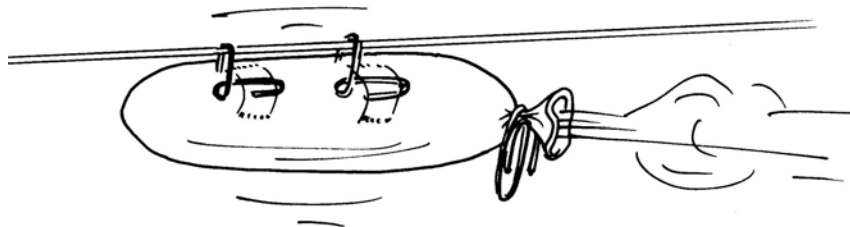


3. Fasten the thread horizontally across the room (making sure it is somewhere where people will not walk into it!)



4. Put the end of the balloon through the gap in another paper clip. This controls the flow of air from the balloon.

5. Attach the two hooks to the thread and let go.



## Now investigate your Balloon Rocket

What happens? \_\_\_\_\_

What modifications do you need to make for your rocket to travel further?  
\_\_\_\_\_

Investigate how well your balloon travels up a sloping thread.

Investigate how far your balloon travels with different amounts of air inside.