



# BLAST OFF!

## Balloon Rocket Experiment

### WHAT YOU'LL NEED:

- A few balloons in different shapes and sizes
- String (at least 10 feet)
- Scissors
- Tape
- A straw
- Two sturdy chairs
- A stopwatch or timer



### INSTRUCTIONS:

1. You will need to cut a piece of string to the length of about 10 feet. You can use string you have at home or experiment with other materials like fishing line or twine.
2. Put the string through the straw.
3. Tape or tie the ends of the string to your two chairs - this will be the track for your balloon rocket - it should form a straight line. Make sure they are set up in an open space. (You can also do this outside and have friends hold the ends of the strings tightly.)
4. Blow up your balloon but don't tie it off - you can hold it closed with your fingers. Tape it on to the straw - make sure that the opening is facing away from the direction you want the rocket to go.
5. Count down and let your rocket launch by letting go of the opening!
6. Try this experiment with other balloons and different types of string. Use your stopwatch to see how long it takes your rocket to get from one side of the track to the other. How fast can you get your rocket to go?

