



## ALFIE FOX'S CREATIVE IDEAS FOR KIDS

# PARACHUTE CHALLENGE

People use parachutes to help them fall gently when there is a long way down.

The reason we fall is because of a force called gravity, which pulls things down towards the ground. Parachutes work by using another force called air resistance to slow things down.

Try creating a parachute for a toy figurine and see if it helps them fall gently.



### YOU WILL NEED:

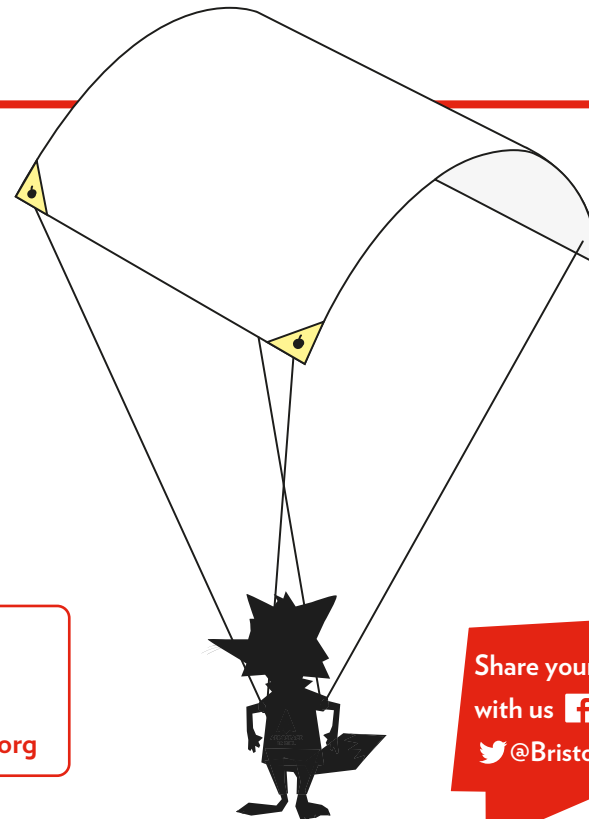
- Plastic bag or paper napkin
- Sticky tape
- Hole punch
- String
- Ruler
- 2 x Character figurines

1. Cut a 25cm x 25cm square from your bag or napkin.
2. Put sticky tape over each corner.
3. Use a hole punch to make a hole on each corner on the sticky tape.
4. Cut 4 pieces of string, each piece 30cm long.
5. Tie the string through each corner hole.
6. Tie the other end of the string to an object, perhaps a plastic toy figurine which won't easily break.
7. Ask an adult to help dropping two objects at the same time - one tied to a parachute, the other without. Which falls the slowest?

### FEELING ADVENTUROUS

Try making different size and shape parachutes, what happens to the rate of the fall?

Watch our handy video tutorial at [aerospacebristol.org](https://aerospacebristol.org)



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