



PARACHUTE

Your CHALLENGE:

Using materials you can find around the house, you have to try and make a parachute that will carry an egg or a water balloon safely to the ground without it breaking. You could use an Easter Egg (if you've got any left).

Before you use an egg or a water balloon, I recommend lots of practice with something that is unbreakable, like a ball or one of your toys (maybe a teddy bear).

- First you need to build the parachute.
- Secondly, you need to build a basket (something for your egg to sit in and protect it from breaking). Remember, if you make something heavy, it will drop faster. Maybe you could cut up a cardboard box or an egg carton.
- Lastly, you need to connect the parachute to your basket

For your Parachute you could use a:

- Pillow case
- Paper/carrier bag
- T-shirt
- Handkerchief
- Rope or string
- Sellotape or glue

Whatever you use, you don't mind getting dirty. Ask an adult for help.



WARM – UP

Once, you've decided what equipment you are going to use, I want you to leave them where they are around the house and **TRAVEL** around your home collecting one item at a time and taking them to where you're going to build your parachute.

Zero Hour: DROP TIME

Remember, try dropping your parachute with something that won't break first.

Start from a low height;

1. While stood on the floor, reach out your arm and DROP.
2. Stand on a chair – DROP
3. Ask an adult to DROP it from different steps on a ladder
4. DROP it from the top of your stairs
5. DROP it from an upstairs window

What to do next:

Try dropping it with different weights

Try making your parachute bigger

Try making your parachute smaller

Try using different materials to make your parachute



What happens to your parachute as it falls when you make these changes?