

Big Idea

Air Resistance



Materials & Equipment

- Plastic grocery bag or a piece of plastic wrap
- 4 pieces of equal length yarn or string (~10-15cm)
- A parachuter (*LEGO person, small action figure, etc.*)
- Dinner plate
- Hole punch (*or a way to make holes*)
- Scissors
- Marker



Procedure

1. Use the plate to trace a large circle on the plastic and cut out the circle
2. Mark 4 spots around the circle (*make sure they are the same distance apart from each other*)
3. Cover the spot with tape (*on both sides of the plastic so they do not tear*)
4. Punch a hole on each spot
5. Tie one piece of yarn/string to each hole
6. Tie the other end of all 4 pieces of yarn/string to your parachuter
7. Find a place (*with some height*) to drop your parachuter

What Happened?

The weight of your parachuter pulls down on the strings and opens up the plastic parachute.

The air resistance on the parachute slows down its speed as it travels to the ground.

Try changing the size of your parachute and see what happens!

