

The Catapult Challenge



Part One

You have 20 minutes to design a catapult that can be used to launch paper missiles, using only school stationery.

Think about

- Reducing the weight of the structure
- Maximising the size of the catapult
- Limiting the amount of materials used
- Making the catapult quick and simple to assemble
- How to make your catapult fire the missile the furthest
- Which structural shapes are effective

Part Two

You now have 40 minutes to assemble your catapult with no outside assistance

Tips

- Get organised
- Make sure you know what your catapult will look like when assembled
- Make sure you involve the whole team
- Work quickly but accurately

Equipment List

- Paper
- Pencils
- Elastic bands
- Rulers
- String
- Pens
- Measuring tape