

Task: Build a balloon car

Build a car that will be propelled by a balloon alone. It must travel forwards and in a straight line within the tracks.

Everyone starts with the following:

- 1 bottle
- 2 straws
- 2 skewers
- 4 bottle caps
- 1 roll of tape
- 1 pair of scissors
- 5 rubber bands
- 1 balloon
- 1 strip of blue tac

Purchasable assistance

You can answer the questions on your desks to get some help at the 'garage'. There are only 4 garages around the room, so you need to think carefully about your timing. Each garage has the following assistance available:

- Hot Glue Gun
- Stanley knives

Take your maths question to the station and exchange it for 60 seconds of assistance. If the answer is incorrect, you will be sent away. You may visit the garage a maximum of 3 times.

Reminders:

- Only one child in each group should oversee inflating the balloon.
- All parts of the car need to remain attached whilst the car is in motion.
- You cannot apply any other force to the car than the air from the balloon.