

Come back for the full festival – we've *SO MUCH MORE* to show you!

➡ Activities + robots + mechanical dragon
+ scientists + music + dance + food + more!



Kit list

Balloon

Pop-up top
from a drinks
bottle

Old CD or DVD

Glue

★ DO TRY THIS AT HOME ★

Balloon hovercraft

How?

- 1 Remove the pop-up top from the bottle and glue it over the central hole in the CD. Make sure it is well sealed and the glue has set completely.
- 2 Put pop-up top in the closed position. Inflate a balloon, holding it so no air escapes, stretch the mouth over the pop-up top. Adjust balloon so it stands up straight.
- 3 Place the hovercraft on a hard smooth surface, open the pop-up top, give the CD a little push and watch it glide.

Why?

Friction is the force between two surfaces when they are rubbed together. A hovercraft works by forcing air out beneath it, creating a cushion of air to float on which reduces the amount of friction. The friction caused by air is less than by a solid object.

➡ TOP TIP

Try your hovercraft on rougher surfaces to see what happens!