**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.

**Kit list**

- Balloon
- Pop-up top from a drinks bottle
- Old CD or DVD
- Glue

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**DO TRY THIS AT HOME**

Try your hovercraft on rougher surfaces to see what happens!

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**TOP TIP**

*Try your hovercraft on rougher surfaces to see what happens!*

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