

Easter Egg Rocket Race

You will need:

- Plastic eggs
- Two pieces of string per egg
- Straw
- Paper/stickers to decorate!



1. Tape a straw to the top of the plastic egg.
2. Thread two pieces of string through the straw and attach both pieces to a wall/door handle at one end (or ask someone to hold them together).
3. Pull the string tight with your egg at your end of the string.
4. Quickly pull the two pieces of string apart to make your egg fly!
5. Experiment with different ways of pulling apart the strings (up and down, side to side) to see which makes the rocket go faster.

When you've mastered your technique – make two and challenge someone to a race!

THE SCIENCE

When pulling the strings apart, you are exerting a force that makes the rocket move. The stronger the force, the faster the rocket. Air resistance is the force that acts in the opposite direction and will slow the rocket down. The faster the rocket, the greater the air resistance.

Try adding a cone to the front of your egg to make it more streamlined. This way, the egg will 'cut' through the air and reduce the air resistance so your rocket will move quicker.

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