

Fly, Fly, Balloon Rocket!

Make this amazing balloon rocket — it goes really fast! Then play balloon-rocket **races**¹ with your friends!

You will need:

- ✓ 1 balloon
- ✓ 1 piece of string (about 4.5 m)
- ✓ 1 drinking straw²
- ✓ some sticky tape³



What to do:

1

Tie one end of the string to a chair or door **handle**⁴.



2

Put the other end of the string **through**⁵ the straw.

3

Pull the string **tight**⁶ and **tie** it to another **steady**⁷ place in the room.

4

Blow up the balloon. Hold the end of it so the air can't get out.



5

Tape⁸ the body of the balloon to the straw.

6

Let go of the balloon and watch the rocket fly!

How does it work?

When you let go of the balloon, the air **rushes**⁹ out and creates a **forward**¹⁰ **motion**¹¹ called '**THRUST**¹²'. In the balloon experiment, the thrust comes from the **energy**¹³ of the balloon **forcing**¹⁴ the air out.



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Vocabulary:

1. race 競賽 2. drinking straw 吸管 3. sticky tape 膠紙 4. handle 把手 5. through 穿過
6. tight 緊的 7. steady 穩定的 8. tape 貼 9. rush 衝 10. forward 向前的 11. motion 動力
12. thrust 猛推 13. energy 力量 14. force 逼使

