

Radical Rocket

Introduction: Have you ever wanted to launch your own rocket ship? Today, we are going to teach you how to build your own rocket with paper and a straw.

Approximate Time: 10-20 minutes

Materials:

- A wooden pencil
- A straw, plastic or reusable
- Scissors
- Tape
- A ruler
- Paper



Procedure:

1. With your scissors, cut out a rectangle of paper that is about 2in. (6cm) wide, and 8.5in. (21.5cm) long.
2. Wrap the paper rectangle around the pencil so that it makes a tall, thin cylinder.
3. Tape both the long sides of the rectangle together so that it will stay connected.
4. Cut out four small, equally sized triangles to act as the fins. They can be right or obtuse triangles.
5. Tape the fins on the paper cylinder, somewhere near the bottom. They should be equally spaced at 90 degrees apart.
6. Pinch the top of the paper cylinder around the tip of the pencil (slide the cylinder up if needed). This will create a cone at the top.
7. Tape the cone so it will stay.
8. Slide out the pencil and then slide the straw in.
9. Blow into the straw to fire the rocket.

Tips & Tricks:

- Try changing up how you build your rocket (longer nose cone, different fins) and record how each rocket launched.