

PAPER ROCKETS ACTIVITY

Introduction

Have you ever seen a rocket blast off to space on TV? To be able to do that, the engineers who designed it, made sure that the way it was shaped, that the rocket can fly all the way to space from here. Let's try designing a rocket of your own!

Learning Objectives

1. Understand the basics of aerodynamics and the design process.

Materials

1. Two pieces of paper
2. Scissors
3. Pencil
4. Drinking straw
5. Ruler
6. Access to a space to "launch" rockets (ex. hallway)

Step-by-Step

1. Cut one piece of paper into four rectangles.
2. Choose one rectangle and wrap it around a pencil (making a cylinder shape). The long part of the paper should be wrapped around the length of the pencil.
3. Tape paper closed so the cylinder doesn't unravel (take the paper closed but not onto the pencil) and slide off the pencil.
4. Pinch one end of the cylinder closed and tape it shut (front of your rocket!)

