

# Straw Rockets

## Materials

-  Drinking straw
-  Tape
-  Scissors
-  Paper
-  Pencil
-  Ruler

Students will launch into learning by creating a simple rocket from household materials.

6th - 8th  
Grade

Rockets soar to their incredible height thanks to Sir Isaac Newton's [3rd Law of Motion](#). As rocket fuel burns, it combusts or explodes forcing lots of very hot gas out of the rocket engine. This produces a force called thrust that pushes the rocket through the air.

### Directions:

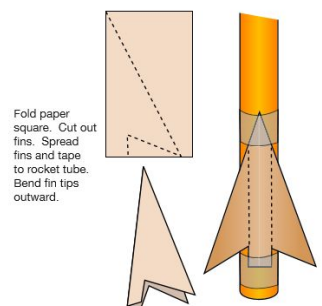
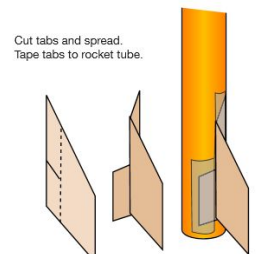
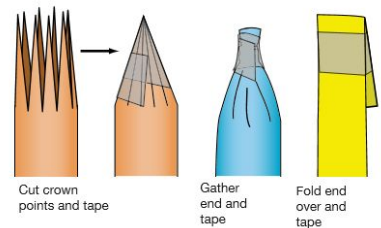
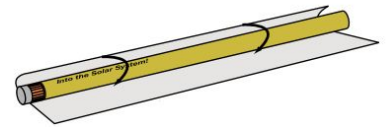
Cut a long strip of paper about 1.5 in. wide and 11 in. long.

Wrap the strip of paper tightly around the pencil to make a long tube. Tape the tube shut along the seam and slide it off the pencil.

Next, form the nose of the rocket by pinching one end of the tube shut and sealing it with tape. You can experiment with different ways of making the nose to see which works best for you.

To make the rocket fly straighter you can add fins. Cut out some small triangles and tape them to the bottom of the rocket tube.

Once your rocket is assembled, slide it onto the straw. Blow into the opposite end of the straw to send your rocket flying!



### Exploring further...

Click here for instructions on how to build a launcher for your straw rocket out of a plastic bottle!