



# Strawkets

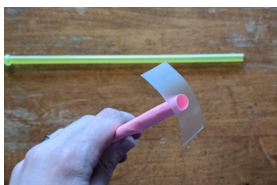
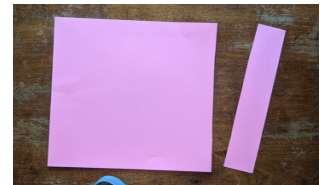
Rockets are powerful tools used to launch spacecraft, satellites, and even people into space. While your “strawket” may not make it into orbit, you’ll see the same high-powered principles in action in this activity.

## Materials

Paper  
Scissors  
A straw  
Tape  
Chart (page 4)

## Directions

1. **Cut** a long strip off the top of a piece of paper. It should be about 1.5 inches tall, or about 3 centimeters.
2. **Wrap** your paper strip snugly around your straw. It should be tight but still able to slide. Tape the paper together so that it doesn’t unravel.
3. **Add** the nose cone. Your rocket must be sealed on the top: Tape over one end of the rolled paper to seal it, then twist the tip until pointed. Add more tape to keep it from untwisting.



4. **Add** fins by folding a piece of tape over itself as seen in the picture below. Then cut the tape into angled shapes, or experiment with your own fin designs. Try adding 1, 2, 3, or even more fins to your rocket.



5. **Launch** your rocket by sliding it onto your straw and blowing out hard. Watch it fly!
6. **Reflect** after launching your rocket a few times, thinking about what kind of changes you can make to it. Can you tweak your design to make your rocket fly farther or more accurately?
7. Optional: **Print** out the chart on page 4 and **record** how far your rocket launched as you make tweaks to your design.

Rocket design number	How far did it go?	What did you change?	Extra notes