

# Straw Rockets



University of Kentucky  
College of Agriculture,  
Food and Environment  
Cooperative Extension Service



4-H Youth Development



## Supplies:

Large straw (milkshake size)

Drinking straw (bendy straws work best)

4 Labels (we cut 2 mailing labels in half)

Targets (optional)

## Instructions:

1. Starting with the larger straw, you will use one of the labels to make a cone at the top of the straw. Be sure the cone is secure and no air can get through.
2. Using the 3 remaining labels to make fins on the same straw. There is no right or wrong way to attach your fins. The design is yours!
3. To launch your rocket you will need to place the drinking (smaller) straw inside the open end of your rocket leaving the bendy side out. Blow air through the drinking straw aiming at one of the targets. Keep track of your points.

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## Stem Connections:

1. Keep track of your points.
2. Challenge your friends to a virtual rocket launch challenge.
3. Keep a flight log of your rocket launches.
  - \*Measure the distance from your target each time you launch.
  - \*Time each of your flights.
  - \*Make notes of any changes you make to your rocket.
4. Research Isaac Newton or the laws of motion.
5. Read books on rockets and space.
6. Use your imagination and draw a picture of
  - \*an undiscovered planet
  - \*your own rocket design

