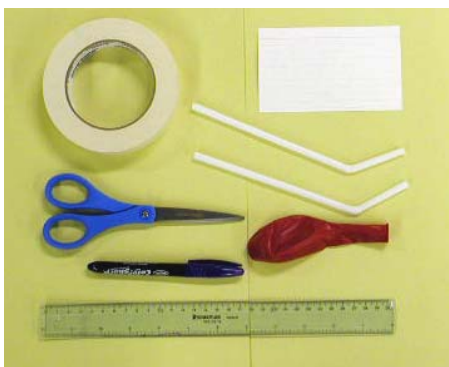
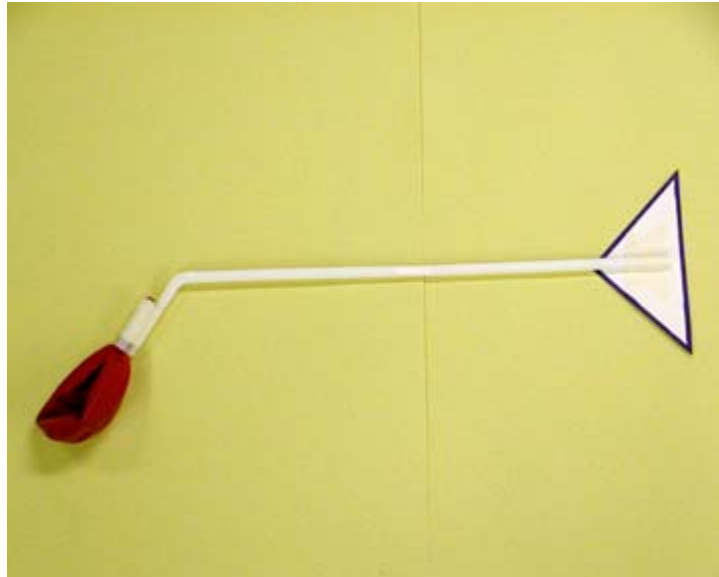


ROCKETS: Lesson 5

This webpage found at:
<http://pa4h.cas.psu.edu/Curricula/AerospaceSupp/Activities/Rockets/Overview/RocketsLesson5.htm>

Building a "Rippin' Rocket":



Equipment Needed:

- Scissors
 - Ruler
 - Pen or marker
 - Masking tape
 - 1 3"x5" notecard
 - 2 flexi-straws (wider straws work better in Step 2)
 - 1 balloon (the larger the better)
-



Step 1:

Cut the rim of the balloon off.

Cut about 1" of straw off just near the bend.



Step 2:

Insert the cut end of the balloon into the 1" piece of straw.



Pull the end of balloon completely through the 1" piece of straw.

Tip: You may need a small pair of tweezers to pull the balloon through. However, if you twist the straw like you are screwing it onto the balloon, it will eventually go on.



Step 3:

Fold the cut end of the balloon over the straw.



Firmly tape the cut end to the straw.

Tip: At this point, you should also make sure you can inflate the balloon. If you have trouble, hold the straw to your lips and pull the balloon away from you just before you blow.



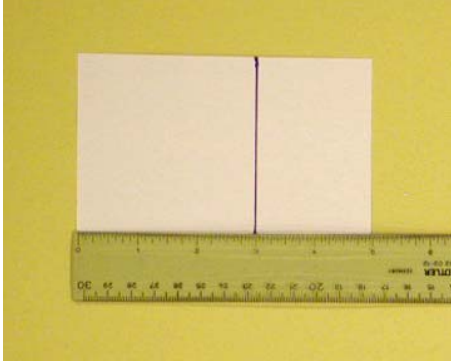
Step 4:

Insert the cut flexi-straw into the uncut flexi-straw so the bendable ends are on the ends of the resulting long, double straw.



Step 5:

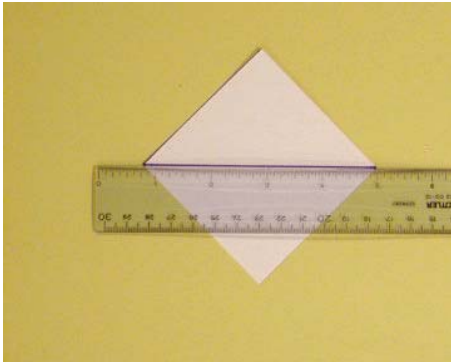
Tape the balloon/1"-straw to the uncut side of the double straw.



Step 6:

From the 3x5 card stock, mark 3" in from one long side to make a 3" square.

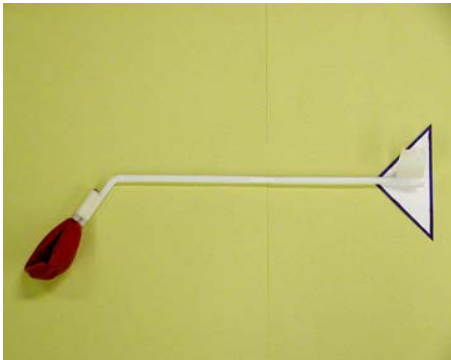
Cut out this square.



Step 7:

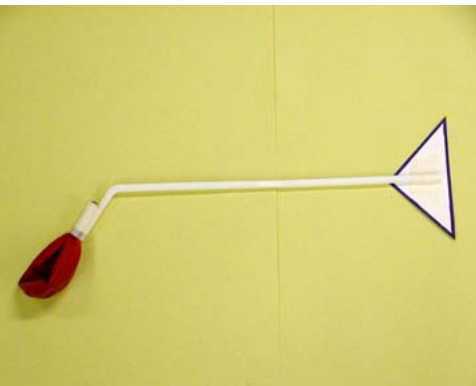
With the 3"x3" square, mark a line from one corner to the opposite corner.

Cut along the line to make two triangles.



Step 8:

Tape one triangle to the free end of the double straw.



Step 9:

To fly, inflate the balloon by blowing into it. Put your finger over the hole until you are ready to launch, then let go.

You can control the direction of the rocket by bending the straw near the balloon.

Web design: Victoria Kramer. This page was last updated on September 26, 2005.
There are no plans for future updates.