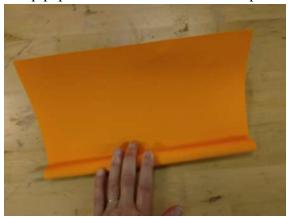
Elastic Potential Energy - Rockets

Procedure:

1. Wrap paper around a dowel rod and tape it so that it forms a tube. Make and attach fins.





2. Place on the Rubber band Launcher and pull down on the black metal piece. Release.

Experiment 1:

Make a <u>paper</u> rocket - entire length of the paper (hotdog). Then, make a rocket from <u>cardstock</u> (with cardstock fins and hot dog style).

Rocket	Distance Rocket Flies (meters)
Paper Rocket	
Cardstock Rocket	

Experiment 2:

Choose your best rocket and launch it from each launch device. Measure the distance and record in data table.

Launcher	Distance Rocket Flies (meters)
#1 (single rubber bands)	
#2 (triple rubber bands)	

Conclusion:

- 1. Did cardstock go **WAY** farther than the paper?
- 2. Did triple rubber bands go **WAY** farther than the single rubber bands?
- 3. What makes the rocket launch the farthest?