

## 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 **paper** rocket - entire length of the paper (hotdog). Then, make a rocket from **cardstock** (with cardstock fins and hot dog style).

<u>Rocket</u>	<u>Distance Rocket Flies (meters)</u>
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.

<u>Launcher</u>	<u>Distance Rocket Flies (meters)</u>
#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?