

Wizards of Wright

Lesson: Straw Rockets Data Sheet

Name: _____

Job Title: _____

1. Safety Officer - Makes sure each launch is safe. Before the launch, the safety officer must make sure the field is clear.
2. Launch Officer – Makes sure the launcher edge is straight against the tape, and ensures the launch rod is released, not forced or slammed.
3. Measurement Officer - Measure the distance that the rocket has traveled, and report that information to the student that launched.
4. Information Officer – Make sure that students in your group are reminded to record their data after each launch (on their own paper). Watch for variables that might throw off the experiment, and make sure that each student tests their rocket three times.

What factors/variables do you think will influence the distance your rocket flies?

What are some things that you will need to control?

Rocket Information

_____ *weight of your nosecone*

_____ *shape of your fins*

_____ *number of fins*

<u>Trial</u>	<u>Angle</u>	<u>Force</u>	<u>Distance</u>
1	<i>45 degrees</i>		
2	<i>45 degrees</i>		
3	<i>45 degrees</i>		