

Experimental Design

Science Olympiad North Regional
Tournament at the University of Florida

Rank: _____
Points: _____



Name(s): _____

Team Name: _____

School Name: _____

Team Number: _____



Background Information: You and your friends have decided to have a competition for who can build the best paper airplane. The winner will receive a medal and you really want to win that medal so you decide that you are going to run an experiment beforehand to figure out how you can win the competition.

The Task at Hand: You and your team will be attempting to find the best way to build a paper airplane so that it is in the air for as long as possible. You will have 50 minutes to conduct, write up and clean up your experiment.

Materials:

- Scissors
- Calculators
- Digital Scale
- Extra Paper
- Graph Paper
- Meter Stick
- Glue Sticks
- Tape
- 3 sheets white printer paper
- 3 sheets construction paper
- 3 sheets card stock
- 3 sheets notebook paper
- Paper Clips
- Stopwatch (IF YOU BROUGHT ONE)

Directions: Write your experiment on the given notebook paper. Do not use this sheet of paper in your experiment or a point will be deducted. Do not interfere with other teams experiments or you will be given a warning. If after the warning you are seen interfering with their experiment again your team will be given a maximum point deduction of four points. Grading will be based on the rubric that follows this page.