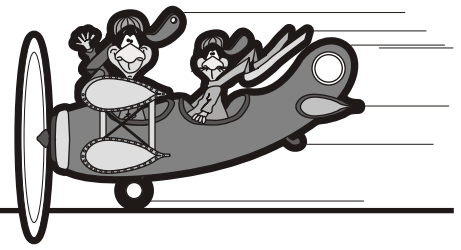


Name: _____



Airplane - Extra Credit

Construct a paper airplane of your choice. Conduct the following tests and write down your results in the spaces provided. When finished, hand in this worksheet along with your airplane to Mr. Whitman.

This activity is worth up to 30 points of Extra Credit

Duration (10 pts.) _____

For this category, make three separate test flights. Ask a friend to help you time your flights. Use the wall clock and watch the second hand to determine the time the plane spends in flight. Time the plane from the moment it leaves your hand to the moment it lands. If the plane hits a wall or an object, the flight doesn't count. Add the three test flights and divide by 3 to get the average duration time.

Test	1	2	3	Average
Time (in seconds)				

Distance (10 pts.) _____

Again, make three separate test flights. This time, for each flight use a ruler, tape measure, yard stick, or the squares on a tiled floor to determine the distance the plane flies. (HINT: each tile is 1 foot square) If the plane hits a wall or an object, the flight doesn't count.

Test	1	2	3	Average
Distance (in feet)				

Aerobatics (10 pts.) _____

For this category, you must fly your plane straight ahead, tilted upward, and tilted downward three times each. (You will make nine test flights in all) Record the number of loops, sharp turns, dips, rises and other aerobatic maneuvers the plane makes on the chart below. Be as specific as possible.

Test	1	2	3
Straight Ahead			
Tilted Upward			
Tilted Downward			