

*Paper Airplane Project*  
Project Due Date: October 23/24, 2006  
(100 points)



*Purpose:*

- to build a paper airplane that will fly for the longest time
- to test different paper airplane designs
- to research how paper airplanes fly
- to write a research—lab report on paper airplane flight

*Materials:*

- paper (8.5 x 11 inches)
- tape (no more than 0.5 in per airplane)
- Name must be on plane

*Procedure:*

1. Research paper airplane design
2. Build and test 5—10 paper airplanes
3. Decide on final design
4. Write research—lab report

*Report:* MUST BE TYPED/MUST BE EMAILED TO Mrs. N at [jdenuo@mhs-la.org](mailto:jdenuo@mhs-la.org)

*Results: (40 points)*

1. Drawings/photographs of paper airplane designs
2. Test results (data charts and graphs)
3. List of what each team member did!

*Discussion: (40 points)*

1. Background information on paper airplanes (1—2 paragraphs)  
*Be sure to properly cite your references!*
2. Description of your airplane design and why you chose the design (1—2 paragraphs with drawings and/or photographs)  
*Be sure to properly cite references*
3. Discussion of results (Please use data from results section to support your statements!)
4. Suggestions for improvement in airplane design

*Reflection: (10 points)*

Personal commentary on the project process and outcome  
(1—2 paragraphs)

(Note: The reflection should be more than *I thought this project was cool!*)

*Some resources:*

- Paper Airplane Simulator  
<http://www.workman.com/fliersclub/simulator2.html>
- Paper Airplane Info  
<http://www.paperplane.org/>
- Directions for Paper Airplanes  
<http://www.cdli.ca/CITE/paper.htm>

**Paper Airplane Contest: October 19/20, 2005 during Physics Class**

10 extra points for 1<sup>st</sup> place team  
5 extra points for the 2<sup>nd</sup> and 3<sup>rd</sup> place teams

Teams consist of 1 or 2 people