

PAPER AIRPLANE PROJECT JOURNAL

PROBLEM/QUESTION

Which paper airplane will fly the farthest distance? Will it be an airplane made of newspaper, wax paper, construction paper, or wrapping paper?

HYPOTHESIS

If I test the flight distance of paper airplanes made of newspaper, wax paper, construction paper, or wrapping paper, then I think that the plane made of:

_____ will fly the furthest,

_____ will come in second,

_____ will come in third, and

_____ will come in
fourth place.

MATERIALS

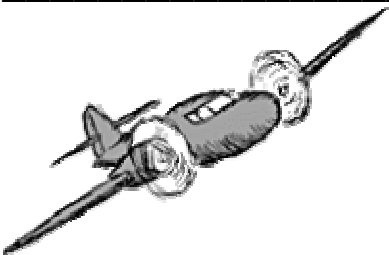
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

PROCEDURE

1. Gather Materials
2. Use a piece of notebook paper to practice making a paper airplane.
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

CONTROLS
(Things that are keep the same)

VARIABLE
(The one thing that changed)



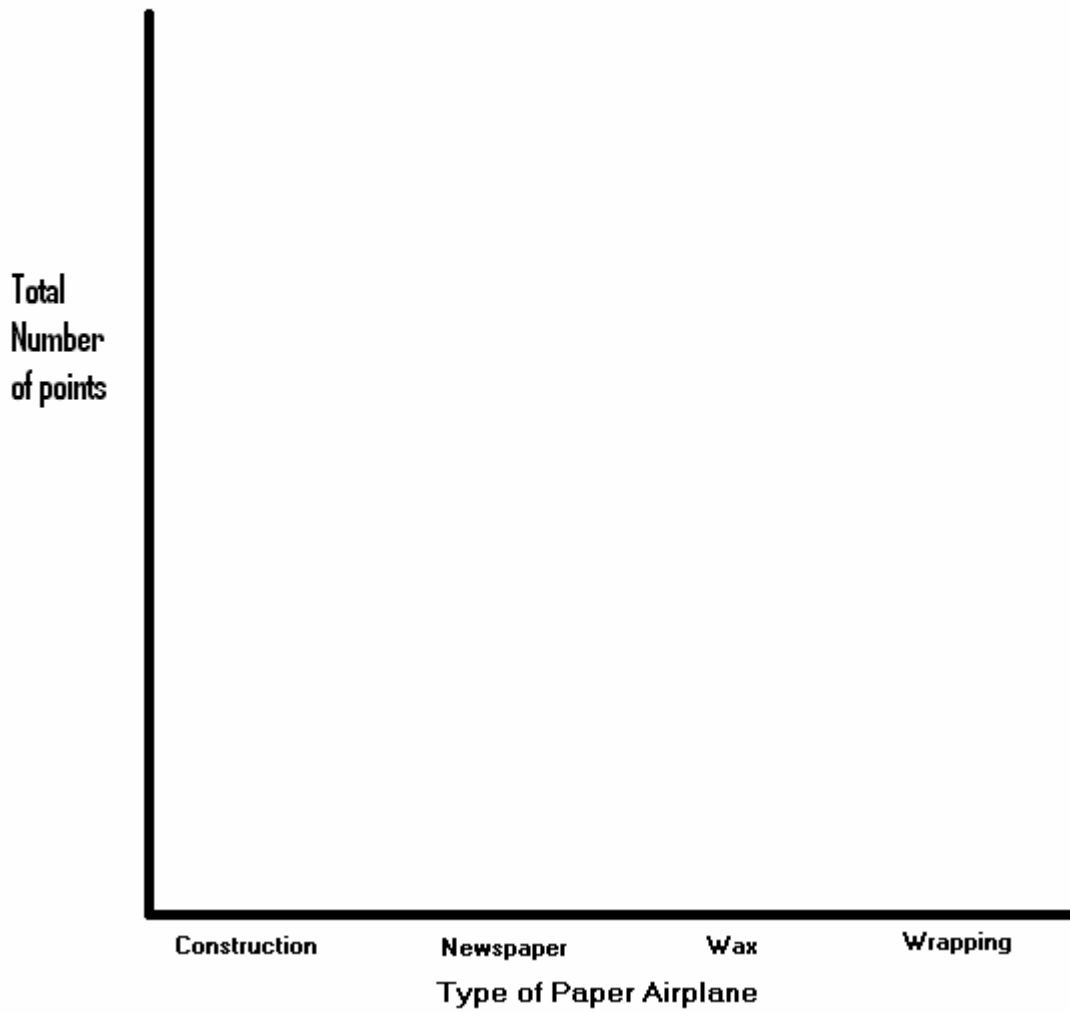
Flight Number	Points of Flight			
	Construction	Newspaper	Wax	Wrapping
1				
2				
3				
4				
5				
Total Points				

1st place 4 points 3rd place 2 points
 2nd place 3 points 4th place 1 point

**WRITTEN SUMMARY OF RESULTS
 (paragraph form)**

Graph of Results

Average Flight of Airplanes



Airplane Journal Scoring Rubric

	3 Excellent	2 Good	1 Needs Work	0 Incomplete
Planning and Investigating, including a hypothesis	All requested scientific information is written in journal. <input type="checkbox"/>	Most information is included and in correct. <input type="checkbox"/>	Some information is included but in correct. <input type="checkbox"/>	Little or no information is included or incorrect. <input type="checkbox"/>
Data is recorded, including any that is unusual	Student made four airplanes, flew them, and recorded data <input type="checkbox"/>	Student made three airplanes, flew them, and recorded data <input type="checkbox"/>	Student made two airplanes, flew them, and recorded data <input type="checkbox"/>	Student made two or less airplanes, flew them, and/ or didn't record data <input type="checkbox"/>
Cause And Effect	Conclusion is included and is valid based on data <input type="checkbox"/>	Conclusion is included and is mostly valid <input type="checkbox"/>	Conclusion is included but is not based on data <input type="checkbox"/>	Conclusion is omitted <input type="checkbox"/>
Variables	All dependent and independent variables are listed correctly. <input type="checkbox"/>	Most dependent and independent variables are listed correctly. <input type="checkbox"/>	Dependent OR independent variables are not listed. <input type="checkbox"/>	Dependent AND independent variables are not listed. <input type="checkbox"/>