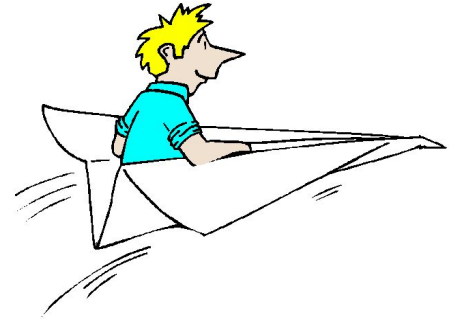


Paper Airplane Lab



1.) **Question:**

Will adding a paperclip to a paper airplane make it fly better?

REWRITE:

Measures: _____

Tool: _____

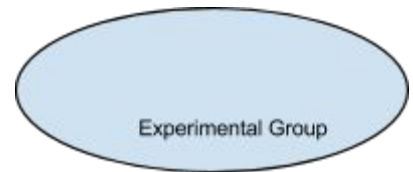
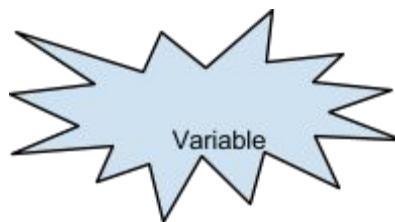
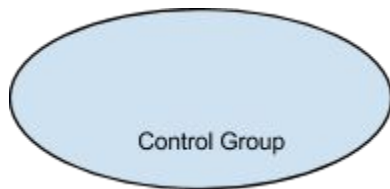
Units: _____

2.) **Hypothesis:**

I believe _____

because _____

3.) **Test:**



Constants: (at least 3)

See next page for materials and steps....

Materials:

- 2 sheets of paper
- One paper clip
- Meter stick
- Other? _____

Procedure (steps to follow):

1. Fold each paper airplane exactly the same (design and number of folds).
2. Attach paper clip to one paper airplane (you may choose where).
3. Partner #1 throws paper airplane without paperclip 2 times.
4. Record results.
5. Partner #2 throws paper airplane without paperclip 2 times from the same starting location of partner #1.
6. Record Results.
7. Repeat steps 3 and 4 for the paper airplane with the paperclip.
8. Be sure to RECORD ALL RESULTS.

	Paper airplane NO paperclip	Paper airplane WITH paperclip
Partner #1 Throw 1		
Partner #1 Throw 2		
Partner #2 Throw 1		
Partner #2 Throw 2		
<p>Mean:</p> <p>_____ + _____ + _____ + _____ = ?</p> <p> ? divided by 4 = mean</p>		

See NEXT PAGE for measurement tips!!

Metric Units of Measurement:

cm (centimeters)= small

M (Meters) = big

cm to M conversion:

100 cm = 1 M

To make sure all data (numbers) is in cm you can:

- 1) Always measure distance in cm (smaller units on meter stick)
- 2) Convert measurements afterwards -
 - a) For example - 1 M and 42 cm = 142 cm
 $100 \text{ cm} + 42 \text{ cm} = 142 \text{ cm}$

Conclusions on next page

Conclusions:

- 1) This experiment was trying to discover