

Topic

Will changing the weight of paper that an airplane is made out of affect the distance the plane flies?

Purpose

The purpose of the project is to determine what type of paper will help my plane fly the farthest.

Hypothesis

If the weight of the paper is heavier, then the paper airplane will fly farther.

Variables

- Independent Variable -- Type of Paper
- Dependent Variable – distance plane flew
- Constant Variables -- Design of plane; size of paper; person throwing the airplane

Up, Up, and Away

Materials

- 3 pieces of cardstock paper
- 3 pieces of plain copy paper
- Measuring tape

Procedure

1. Make 6 identical paper airplanes: 3 out of standard copy paper and 3 out of cardstock.
2. Tape a tape measure to the floor and stand at one end.
3. Fly one airplane of each type and measure the distance in centimeters.
4. Record distance of each airplane in log book.
5. Repeat step 3 and 4, two more times.

Results

Trial 1 – CP: 64cm
CS: 220 cm
Trial 2 – CP: 237cm
CS: 340cm
Trial 3 – CP: 126cm
CS: 185 cm

Bar graph
here!

Conclusion

After completing my experiment, I find that my hypothesis is correct, changing the weight of paper that I make the paper airplane out of will cause the airplane to fly farther. Here I would put information that really supports this . . . But I am not analyzing data 100% right now!
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