

SPARK Science & Technology

SPARK Hybrid Education Center | Paper Airplane Experiment

Student Name: _____

Date: _____

Purpose

Does airplane wing shape affect how far it flies?

Materials

- * 3 paper airplane designs (templates provided)
- * Measuring tape
- * Masking tape for start line

Procedure

1. Fold 3 planes using the templates provided.
2. Mark a starting line with masking tape.
3. Throw each plane 3 times from the same position.
4. Measure and record the distance each plane traveled in cm.
5. Calculate the average distance for each design.

Data / Observations Table

Design	Trial 1 (cm)	Trial 2 (cm)	Trial 3 (cm)	Average (cm)

Analysis Questions

1. Which design flew farthest on average?

2. Why did we throw each plane 3 times instead of once?

3. What was the independent variable?

4. Name one thing you kept constant. Why was this important?

Conclusion

In my own words, what did I learn from this lab?
