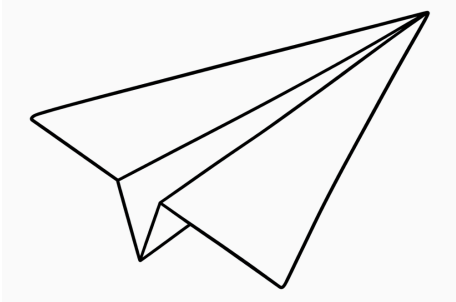
Paper Plane Investigation

Name / chosen name: _____

Work with an adult. Predict before testing; observations describe what actually happened.

Materials

Two sheets of the same paper, tape for a start line, measuring tape and a clear flight area.



Instructions

1. Fold two planes with different wing shapes.
2. Predict which design will travel farther.
3. Launch each from the same line using a similar gentle throw. Repeat three times.
4. Measure each distance, then compare the results.

1. My prediction

Observation

Safety: Use blunt paper planes and a clear area. Launch away from people, faces and animals. Provide a seated launch option.

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Record and explain

1. What happened?

2. Was it different from my prediction?

3. What did I change or keep the same?

Scientific explanation: A moving plane is affected by gravity and forces from the air. Shape, launch speed and angle can change its flight. Repeated trials help show whether a result is consistent.

1. One further question

2. How I could test it safely with an adult

Background source: https://www1.grc.nasa.gov/beginners-guide-to-aeronautics/paper-airplanes-plans/