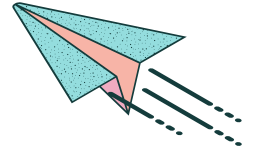


STEM Challenge

Paper Airplane Precision



Objective

To design a paper airplane that flies the farthest and most accurately.

Materials

- Markers or coloured pencils
- Letter-sized paper (8.5 x 11 inches)
- Ruler
- Tape

Instructions

- Create three different paper airplane designs using the given materials.
- Measure a designated starting point and set up targets at different distances.
- Fly each paper airplane three times, aiming for different targets, and record the distances.
- After each flight, analyze the design and make adjustments to improve performance.

Challenge Questions

- Which paper airplane design flew the farthest, and why do you think it performed better?
- What factors influenced the accuracy of the paper airplanes?
- How did you modify the design to enhance performance during the experiment?
- Can you explain the aerodynamic principles behind the most successful paper airplane?

