

Name: _____

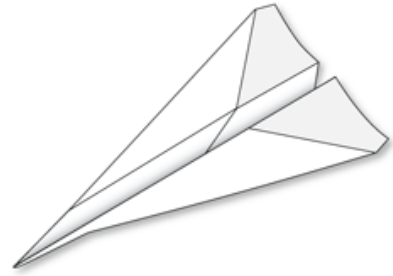
Paper Airplane Challenge

Challenge: Design and build a paper airplane that will fly as far as possible.

Rules: You may only use the given materials. You must finish building your airplane within the given time.

Materials: You may use any of the following materials

- Plain paper
- Construction paper
- 1 paper clip
- A dab of glue
- 3 pieces of tape (each no more than an inch long)



Plan: What do you need to know before you begin designing? (Hint: Think about what we learned about how planes fly!) _____

Design: Brainstorm at least 2 possible designs. Label materials and parts on your drawing.

Design #1

Design #2

Which design do you think best meets the requirements? Design # _____

I will need these materials: _____

Build: Get your design and materials approved by your teacher and get ready to build!

Evaluate: Test your design according to the challenge and design criteria.

Did the design meet all the challenge requirements? Yes _____ No _____

If yes, what additional improvements could you make to help your airplane fly further?

If no, what would you change if you could redesign your plane?

