

Name: \_\_\_\_\_

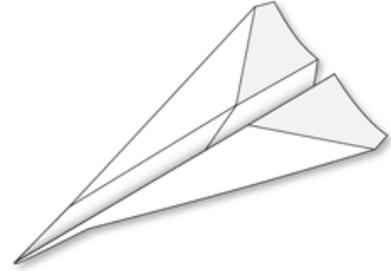
## Paper Airplane Challenge

**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?

\_\_\_\_\_  
\_\_\_\_\_

