

Flight Data Recording Sheet

Name:

Date:

Period:

Testing Your Wing Design

Now it's time to test your new wing design! You will fly the glider with your prototype wing 10 times and record the distance of each flight. Use the same launch technique every time. After 10 trials, calculate the average to see if your design beats the baseline of 12.1 feet.

Wing Configuration:

Wingspan (cm):

Flight Test Data

Trial	Distance (feet)	Observations / Notes
Trial 1		
Trial 2		
Trial 3		
Trial 4		
Trial 5		
Trial 6		
Trial 7		
Trial 8		
Trial 9		
Trial 10		
AVERAGE	<i>Add all distances ÷ 10 = _____ ft</i>	

Results: Did your prototype outperform the baseline?

	Distance (feet)
Baseline (straight wing class average)	12.1 ft
Your prototype average	
Difference (+/-)	

1. Did your design beat the baseline? By how much?

1. Was your result what you expected based on the Data Challenge? Explain.

2. If you could change one thing about your design to improve it, what would you change?