



S1 Science: Testing Cayley's Glider

Use the tables below to record your first set of distances, write down how you modified your glider and then repeat the measurements to see if you improved it or not.

- 1) Record your flight distance 5 times with your original glider and calculate the average:

Flight Number	Distance Travelled (m)
1	
2	
3	
4	
5	



Average distance travelled = m

- 2) Change something about the design of your glider (e.g. length, shape) and write down what you changed and why you think it will make it fly further:

- 3) Re-test your glider 5 times and calculate the average distance. Were you successful? Write a conclusion and say why you think your new design did/didn't fly further?

Flight Number	Distance Travelled (m)
1	
2	
3	
4	
5	

Conclusion:

Average distance travelled = m

Extension: Film your experiment on your phone and upload a video to Teams. Talk about the most and least successful parts of your design in the video.