

Tape this into your lab notebook when done.

Lab 1: Dune Buggy Challenge

Question:

How much time does it take a Dune Buggy car to travel a specified distance?

Purpose:

To collect distance-time data for a Dune Buggy car in order to predict the time it takes the Dune Buggy to travel a specified distance.

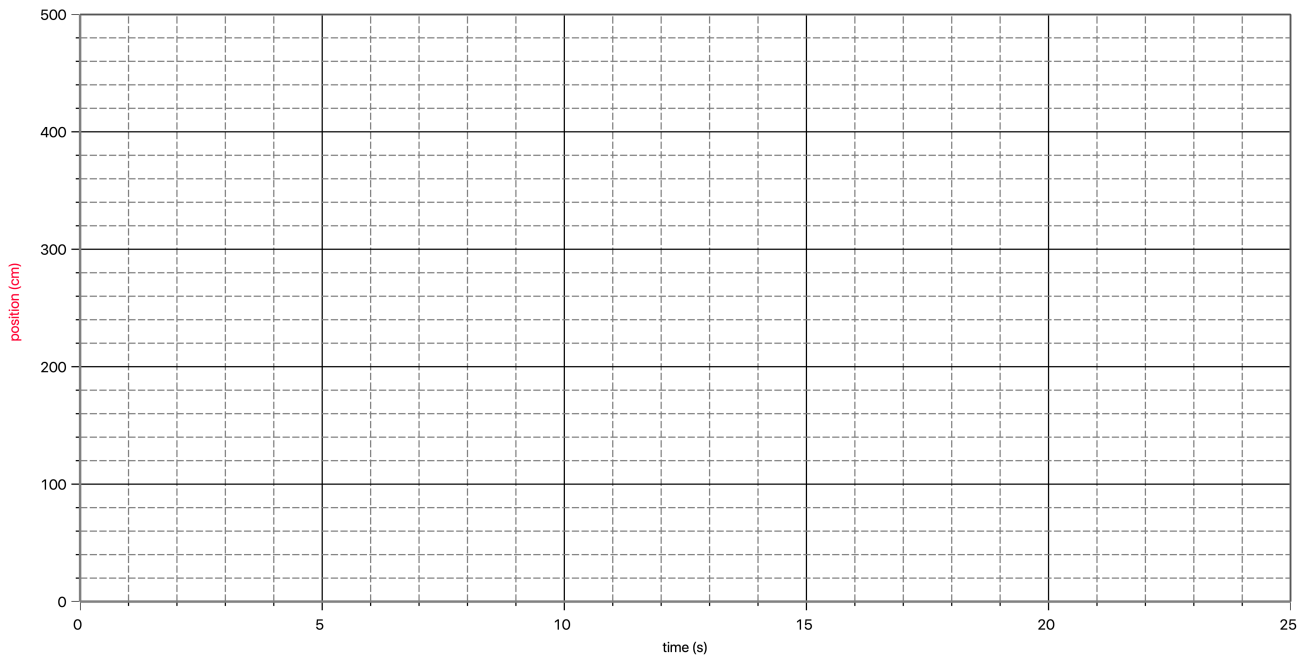
Data:

Distance (cm)	Time (s)
0	0
50	
100	
150	
200	

Car #: _____

Plot the data on the graph below. Draw a *best-fit line* through the data.

Let your teacher know when you are ready for the prediction part of the lab.



Specified Distance: _____ (Provided by teacher in exchange for your car.)

Predicted Time: _____ (You get your car back once you've done this.)

Measured Time: _____ (Get your car back and do this in your teacher's presence.)

Conclusion:

Claim:

I predicted that it would take my Dune Buggy car _____ to travel the specified distance of _____ cm.

Evidence:

(Discuss values from your Data section ... identifying the data that you used to determine the prediction. Use specifics in your discussion.)

Reasoning:

(Explain in a few sentences why this evidence provides logical support for believing that your claim is true. And while you're at it, you ought to mention how well ... or not well ... that you did.)