Do Now

- Draw the position-time graph for the following problem.
- Two cars are playing chicken. When they are two 150m apart, one car moves at 7m/s. The other moves at 12m/s. How much time will it take for them to meet? Where to they meet?

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Today

- Buggy-Buggy Lab
- Complex constant velocity problems.
- Graphing them.

This Week

- M: Buggy and constant velocity
- T: Velocity-time graphs and first kinematic equation
- W: Review for Quiz
- R: Quiz
- F: Sleep in

Quiz Topics

- Unit Conversion
- Position-time graphs
- Constant velocity problems
- Velocity-time graphs
- Vf = Vi + at

Buggy-Buggy

- Each lab table needs the following:
- 2 buggies of different colors
- Meter stick
- Stop watch (phone is fine)
- I data sheet per group (of four)

Data Sheet

- One per group.
- Put all names on it.
- All descriptions in full sentences.
- All calculations have all work.
- Remember units.

Buggy-Buggy

- You have 10 minutes to determine the velocity of the two buggies.
- I will give you a distance that we will set them apart. You will have to predict where they will meet.

Post Lab

- Finish the data sheet and hand in.
- On a whiteboard: draw the accurate position-time graph.
 - Make sure that the numbers represent your calculations and measurements.

Cops and Robbers

- On your whiteboard, draw the position time graph for the following problem.
- Batman is 50m from joker. If joker runs at 6.2m/s and batman runs at 7m/s, how long will it take batman to catch the joker?

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