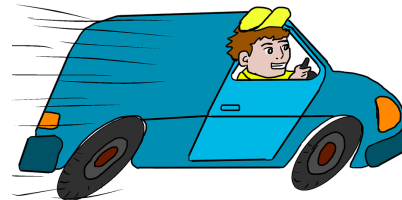


# Iona Physics

## Measuring Some Accelerations

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In physics we often speak of variables like speed and acceleration, but sometimes we do not have a feeling for the numbers involved. For example, what is your acceleration at the start of a dash, or what is your car's acceleration when starting from rest?

Caution: This experiment can be very expensive if you ruin your cell phone. It can be even more expensive if you injure yourself or others, so be very careful!

Very vague instructions:

Measure and report several accelerations.

Procedure:

1. Consult with your lab partner and decide 3 accelerations you want to measure.
2. Write detailed instructions.
3. Have your instructions approved by your teacher.
4. Do the experiment.
5. Hand in a write up of the experiment.

**REMEMBER:** Take care not to damage your phone (or yourself)!

