

# Car Lab #1

## Purpose

To determine the ways in which a position graph represents an object's motion.

## Materials

- Pick up one car. (Groups 2 and 8 pick up blue. . . . All other groups pick up red)
- Pick up dry erase marker and a couple paper towels.
- Pick up meter stick
- Pick up a timer

## Procedure

Each group has a slightly different experiment:

**Group 1** Red car, moving forward, starting at zero

**Group 2** Blue car, moving forward, starting at zero

**Group 3** Red car, moving backward, starting at 4 meters

**Group 4** Red car, moving backward, starting at 2 meters

**Group 5** Red car, moving forward, starting at 3 meter

**Group 6** Red car, moving backward, starting at 5 meters

**Group 7** Red car, moving forward, starting at 1 meter

**Group 8** Blue car, moving forward, starting at 2 meters