

Names \_\_\_\_\_

Date \_\_\_\_\_

## Graphing Speed

Create a graph with your team using the data you collected during the second 1-motor car-bot (1mcb) speed test.

### Speed Test – with specified power level on motor

#### Data

Average Speed Floor    Power level 1: \_\_\_\_\_ inches per second

Power level 2: \_\_\_\_\_ inches per second

Power level 3: \_\_\_\_\_ inches per second

Power level 4: \_\_\_\_\_ inches per second

Power level 5: \_\_\_\_\_ inches per second

Average Speed Rug    Power level 1: \_\_\_\_\_ inches per second

Power level 2: \_\_\_\_\_ inches per second

Power level 3: \_\_\_\_\_ inches per second

Power level 4: \_\_\_\_\_ inches per second

Power level 5: \_\_\_\_\_ inches per second

#### Your graph **MUST** have:

1. Your names listed on your graph
2. A Title
3. Labels for the axis
4. All data graphed
5. An area that says:
  - What you did (to collect the data)
  - What you observed
  - A conclusion you make about your observations

Names \_\_\_\_\_

Date \_\_\_\_\_

# 1 Motor Car-bot (1mcb) Speed Test

**What we did:**

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**What I observed:**

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**My Conclusion:**

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Names \_\_\_\_\_

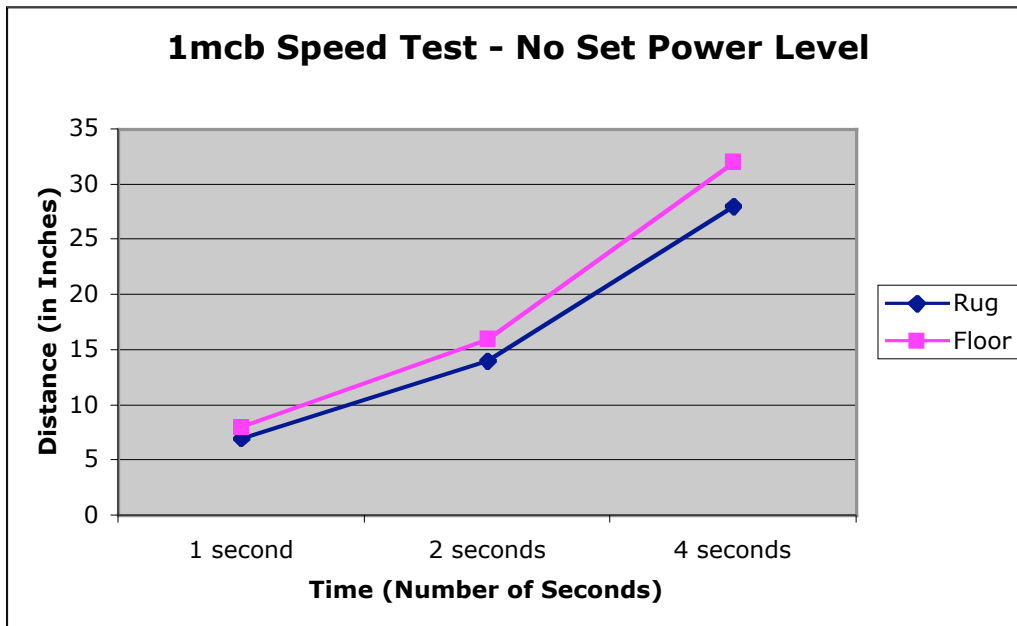
Date \_\_\_\_\_

# Sample Graph

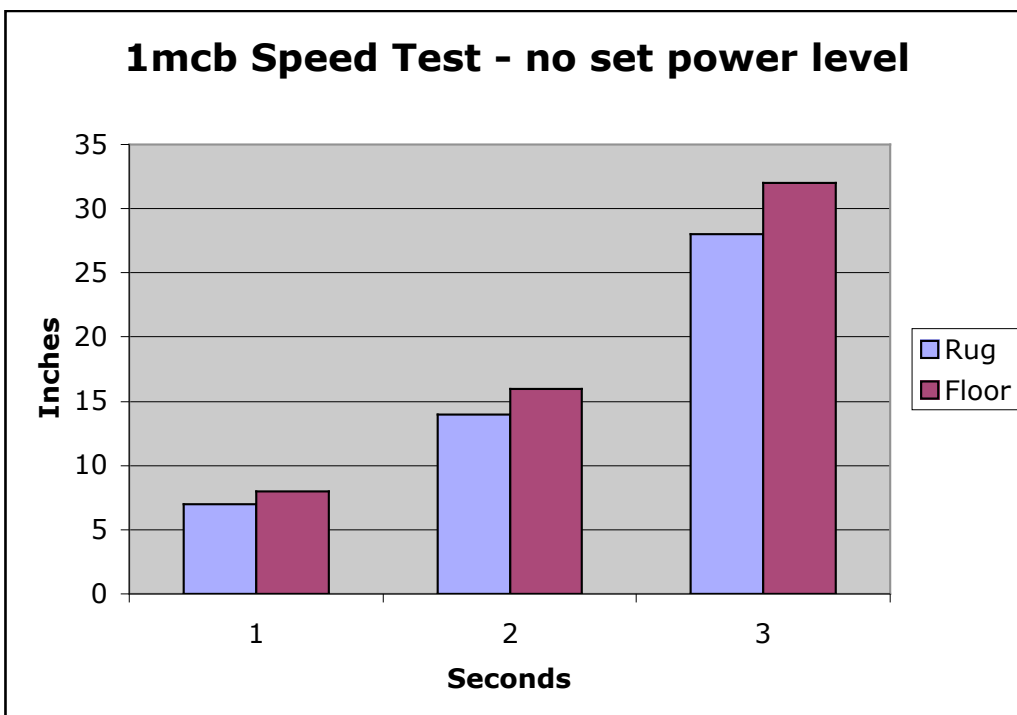
(from 1<sup>st</sup> speed test – your graph will have data from the 2<sup>nd</sup> speed test!)

Data	1 second	2 seconds	4 seconds
Average Speed Floor	8 inches	16 inches	32 inches
Average Speed Rug	7 inches	14 inches	28 inches

## Line Graph Sample



## Bar Graph Sample



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## Writing Sample

**Team 5** – Maureen, Jackie, Chris

**What we did: (Sample – please do not copy - use your own words!)**

We built a robotic car and programmed it to move forward for 1 second, 2 seconds, and 4 seconds. We measured the distance of each program in inches on the rug and on the floor using a ruler. **(You can add more here)**

**What we observed: (Sample – please do not copy - use your own words!)**

We noticed that the car travelled \_\_\_\_\_ on the floor than it did on the rug. We also noticed that the car travelled about \_\_\_\_\_. **(You can add more here)**

**Our conclusion: (Sample – please do not copy - use your own words!)**

You can see from the graph that our car travelled faster on a \_\_\_\_\_ surface, so we conclude that robotic cars like ours will most likely travel faster on a \_\_\_\_\_ surface. We also conclude that \_\_\_\_\_. **(You can add more here)**