**Snapshots of Motion Graph Assignments due 9/19**











  **This is a Power Point**

**POSITION TIME GRAPHING**

**How can we analyze and interpret data to graphically display the motion of an object?**

* **Materials: Pencil, ruler and calculator.**
* **Procedure:**
* **Using the graph paper provided, label the x-axis time and the y-axis position**
* **Plot each point on graph**
* **Connect each point and label time intervals as described below.**

|  |  |
| --- | --- |
| **TIME** | **POSITION** |
| **(s)** | **(m)** |
| **0** | **2.0** |
| **1** | **3.5** |

**Graphing Motion Relay**

**How can we illustrate real-life movement graphically?**

* **Form a team of 4 individuals.**
* **Each team will compete in a relay race using a cell phone as a baton. Specifics about the race format will be discussed.**
* **Record the time of each lap for each team member in the data table.**

**Create ONE line graph that includes data for all team members. Use the origin (0, 0) as the starting point (distance and time) for each member’s data. Lap 1 time & distance will serve as the 2nd graph point and Lap 2 time & distance will serve as the 3rd graph point.**