1. Return - Bell Work

2. Quiz Corrections? - Place in Bin

   Rewrite Opportunity: Make corrections and submit today and/or ask for help. Rewrite Thursday during IS .

3. Level 1 - Lab Activity - Due Today - Place in Bin

4. Check: Worksheet - Analytical Manipulation of Vectors

   Quiz -> Finding R graphically and analytically - Thursday *Friday. P4*

5. Motion - Vocabulary

6. Level 1 - Perpendicular Components

7. Types of Motion

8. Position-Time Graphs

9. Velocity-Time Graphs

Motion - Vocabulary

distance: d (m)

- scalar quantity
- how far an object has traveled

position: $\vec{d}$ (m)

- vector quantity
- the separation between an object and a reference point

displacement: $\vec{\Delta d}$ (m)

$$\vec{\Delta d} = \vec{d_2} - \vec{d_1}$$

$$\vec{\Delta d} = \vec{d_f} - \vec{d_i}$$

– vector quantity
– change in position

delta
change.

final
initial

Feb 12
P4

time interval: Δt (s)

- scalar quantity
- time between two instants of time

$$\Delta t = t_2 - t_1$$

speed: v (m/s)

- scalar quantity
- how fast an object travels

$$v = \frac{d}{t}$$

velocity: $\vec{v}$ (m/s)

- vector quantity
- rate of change of position

$$\vec{v} = \frac{\Delta \vec{d}}{t}$$

acceleration: $\vec{a}$ (m/s^2)

- vector quantity
- rate of change of velocity

$$\vec{a} = \frac{\Delta \vec{v}}{t}$$