

Science 10

Monday May 8/17

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1. Assignment - Graphing Basics and Distance vs Time Graph
 2. Check 100 Acre Wood
 3. Velocity
 4. Calculating Velocity - P4
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5. Representing Vector Quantities
 6. Resultant (Final) Displacement
 7. Average Velocity - P1
-
8. Worksheet: Constant and Average Velocity Problems
 9. Assignment: Average Speed, Constant Velocity and Average Velocity
Date - To Be Announced
 10. Position vs. Time Graphs
 11. Worksheets: Position vs Time Graph

1. SA U2S3 - Momentum, Impulse, Impulse-Momentum Theorem
 2. Check -> Worksheet - C6 - Work and No Work Done
Page 225: PP #4-10
 3. Types of Work - Positive and Negative
 4. [Worksheet - C6 - Positive and Negative Work](#)
Page 235 - PP #14, 15 - HW
-
5. Work Done by Forces - F vs D Graphs
 6. SA - U3S1 - Work, No Work, Etc.
- TBA
 7. Concept Sheet - Types of Energy and Work-Energy Theorems
 8. Types of Energy
 9. Kinetic Energy

B 3. $\vec{F}t = \Delta \vec{p}$

D 4. $\vec{J} = \Delta \vec{p}$

C 5. $\Delta \vec{p} = \vec{F}t$

D 6. $\vec{J} = \vec{F}t = \Delta \vec{p}$

A 7. $\vec{F}t = m \Delta v$
initial vel. $> 0 \text{ m/s}$
 $\vec{F}t = m \vec{v}_f - m \vec{v}_i$
 $\vec{F}t = m \vec{v}$
 $F = \frac{mv}{t}$

C 8. $\vec{J} = \vec{F}t$

D 9. $\text{kg} \cdot \frac{\text{m}}{\text{s}}$

C 10. $\vec{F}t = \vec{J} = \Delta \vec{p}$
 $\vec{F}(2t) = 2\vec{J}$

1. $\vec{v}_c = -48.00 \text{ m/s}$

2. $\vec{F}t = \Delta \vec{p}$ | $\vec{F}t = m \Delta \vec{v}$
 $t = 0.31 \text{ s}$ | $\vec{F}t = \vec{J}$

3. $\vec{F}t = \vec{p}_f - \vec{p}_i$ | $\vec{F}t = m \vec{v}_f - m \vec{v}_i$
 $\vec{F}t = m \vec{v}_f - \vec{p}_i$ | \vec{v}_i
 $+ 3.5 \text{ kg} \cdot \frac{\text{m}}{\text{s}}$ | $\vec{p}_i = m \vec{v}_i$

4. $\vec{J} = m \Delta \vec{v}$
 $m = 6.78 \text{ kg}$
5. a) $\vec{p} = 0 \text{ kg} \cdot \frac{\text{m}}{\text{s}}$ (1)
 $\vec{p} = m \vec{v}$
 $\vec{p} = m \vec{v}$

b) $\vec{F}t = m \vec{v}_f - m \vec{v}_i$
 $\vec{v}_i = -14 \text{ m/s}$

6. a) $\vec{F}t = m \vec{v}_f - m \vec{v}_i$
 $\vec{v}_f = +4.3 \text{ m/s}$

b) $\Delta \vec{p} = \vec{F}t$
 $-5.5 \text{ kg} \cdot \frac{\text{m}}{\text{s}}$

Physics 122

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1. SA - Circular Motion and Heavenly Bodies

2. Check - Example
Worksheet - Mass on a Spring

3. Pendulum

4. [Worksheet - Pendulums](#)
[Worksheet: SHM - Mixed Problems](#) } HW

5. Two Requirements for SHM

6. U2 - S4: Projectile Motion

7. Terms to Know

9. Projectile Fired Horizontally

10. Formulas: Horizontal Projectiles

11. Worksheet ->Text: Page 536, PP #1-8