Physics 112

Tuesday, November 28/17

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Blocked Off -> After School: Wednesday Lunch - 1st Half: Thursday

- 1. FA Impulse-Momentum Theorem
- 2. Questions re Momentum, Impulse, Impulse-Momentum Theorem?
- 3. "Explosion" Lab
- 4. Worksheet C5 Impulse-Momentum Page 203: PP #33-35
 Worksheet C5 Momentum and Impulse-Momentum
 Page 209: PFU #37-45
 Multiple Choice Momentum and Impulse
 Worksheet Extra Momentum, Impulse and Impulse-Momentum
 Theorem
- 5. SA U2 S3 -> Momentum, Impulse and Impulse-Momentum Thm

 MC and Problems

 Friday, December 1/17

 Review Learning Targets!
- 6. Unit 3 Work and Energy Learning Targets/Tracking Form
- 7. U1-S3: Work Concept Sheet
- 8. Work
- 9. Three Cases No Work is Done
- 10. Types of Work: Positive and Negative
- 11. Work Done by Forces F vs D Graphs

Formative Assessment -> Impulse-Momentum Nov. 27/17

After a bat strikes a baseball, the baseball has a momentum of 5.0 kgm/s north. If the baseball has a mass of 100.0 g and experienced an impulse of 9.0 kgm/s north when hit, what was the initial velocity of the baseball? D3.7

Physics 122 Tuesday, November 28/17

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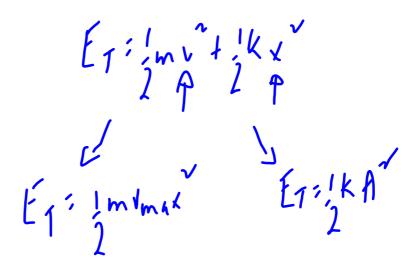
Blocked Off -> After School: Wednesday Lunch - 1st Half: Thursday

- 1. Return -> SHM and Energy
- Questions?Worksheet Horizontal Projectiles PP #1-8
- 3. Projectiles Fired at an Angle
- 4. Special Case
- 5. Formulas:Projectile Launched At an Angle
- 6. Examples To Be Continued

Formative Assessment -> SHM and Energy Nov. 27/17

A mass of 1.53 kg is attached to a spring and the system is undergoing simple harmonic oscillations with a frequency of 1.95 Hz and an amplitude of 7.50 cm.

- a) What is the speed of the mass when it is 3.00 cm from its equilibrium position?
- b) What is the total energy of the system?



Science 10

Tuesday, November 28/17

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Blocked Off -> After School: Wednesday Lunch - 1st Half: Thursday

- 1. SA Physics #1 Topics
- Questions?Worksheets Rearranging Equations
- 3. Metric Conversions
- 4. Worksheets Metric Conversions
- 5. Physical Quantities Definitions, Variables and Units
- 6. Graphing Basics

SA - Physics #1 - Topics

- 1. definitions: physics, linear motion, physical quantity, significant digits, certainty, exact value, defined value, rounding digit, defining equation
- 2. SI System International System of Units
 - know the SI base units for length, time and mass
 - be able to identify a derived unit
- 3. certainty identify certain and uncertain digits in a measurement
 - determine the certainty of a measurement by stating its number of significant digits
- 4. SDs and operation rules Certainty Rule
 - -> multiply and divide
 - -> total # of significant digits
 - Precision Rule
 - -> add and subtract
 - -> # of digits after the decimal
- 5. rearrange an equation for a specified variable
- 6. perform metric conversions using conversion factors