Physics 112 Wednesday, November 29/17

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

- 1. Return -> FA Impulse-Momentum Theorem
- 2. Questions re Momentum, Impulse, Impulse-Momentum Theorem?
- 3. "Explosion" Lab
- 4. SA U2 S3 -> Momentum, Impulse and Impulse-Momentum Thm MC and Problems

 Friday, December 1/17

 Review Learning Targets!
- 5. Unit 3 Work and Energy Learning Targets
- 6. U1-S3: Work Concept Sheet
- 7. Work
- 8. Worksheet C6 Work Page 221: PP #1-3
- 9. Three Cases No Work is Done
- 10. Worksheet C6 Work and No Work Done Page 225: PP #4-10
- 11. Types of Work: Positive and Negative
- 12. Worksheet C6 Positive and Negative Work Page 235 PP #14, 15
- 13. 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

aseball? D3.7

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Physics 122 Wednesday, November 29/17

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

- Questions?
 Worksheet Horizontal Projectiles PP #1-8
- 2. Examples Continue
- 3. Worksheets Projectiles Fired at an Angle and Mixed Problems
- 4. SA U2: S3&4 (SHM and Projectiles)
 - MC and Problems
 - Wed. Dec. 6/17

Science 10 Wednesday, November 29/17

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

1. SA - Physics #1 - Topics

scientific notation, rounding digit

- 2. Review SA Physics #1
- 3. Roller Coasters

SA - Physics #1 - Topics

- 1. definitions: physics, linear motion, physical quantity, significant digits, certainty, exact value, defined value, precision, 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

* scientific notation*

- 5. rearrange an equation for a specified variable
- 6. perform metric conversions using conversion factors