Physics 112
Thursday, November 30/17

http://mvhs.nbed.nb.ca/

http://mvhs-sherrard.weebly.com/

Blocked Off -> Lunch - Thursday

1. Questions re Momentum, Impulse, Impulse-Momentum Theorem?

2. SA - U2 S3 -> Momentum, Impulse and Impulse-Momentum Thm
   MC and Problems
   Friday, December 1/17
   Review Learning Targets!

3. Unit 3 - Work and Energy - Learning Targets

4. U1-S3: Work - Concept Sheet

5. Work

6. Worksheet - C6 - Work Page 221: PP #1-3

---

7. Three Cases - No Work is Done

8. Worksheet - C6 - Work and No Work Done
   Page 225: PP #4-10

9. Types of Work: Positive and Negative

10. Worksheet - C6 - Positive and Negative Work
    Page 235 - PP #14, 15

11. Work Done by Forces - F vs D Graphs

Physics 122
Thursday, November 30/17

Blocked Off -> Lunch - Thursday

1. FA - Horizontal Projectile

2. Questions?
   Worksheets - Projectiles Fired at an Angle and Mixed Problems

3. SA - U2: S3&4 (SHM and Projectiles)
   - MC and Problems
   - _Wed. Dec. 6/17_

4. U3 - S1: Electrostatics

5. Electrostatics

6. Electric Charge

7. Transfer of Charge - By Friction
                      - By Conduction
                      - By Induction

8. Electrostatic Force

9. Coulomb's Law

Formative Assessment - Horizontal Projectile

November 30/17

_____

A ball rolls off a table with a speed of 3.20 m/s and hits the floor 0.553 s later. What was the velocity of the ball 0.319 s after leaving the table?

Science 10
Thursday, November 30/17

http://mvhs.nbed.nb.ca/

http://mvhs-sherrard.weebly.com/

1. Check -> Review - SA - Physics #1

2. SA - Physics #1 -> Tomorrow

3. Graphing Basics

4. Worksheets - Finding Coordinates (2)

5. Slope

6. Physical Quantities

7. Distance vs Time Graph

8. Slope and Speed

9. Various Distance-Time Graphs

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