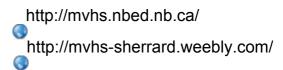
Science 10 Wednesday, April 25/18



- 1. Presentation Maker Space -> Dylan Howe
- 2. Review SA Physics #1 -> Review answer key tonight.
- 3. SA Physics #1
 - Friday, April 27/18
 - Topics: See next page
- 4. Tomorrow: Roller Coaster Day

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. scientific notation be able to write a measurement in scientific notation
- 5. SDs and operation rules <u>Certainty Rule</u>
 - -> multiply and divide
 - -> count total # of significant digits
 - -> round product or quotient to same # of SDs as original measurement with the fewest SDs
 - Precision Rule
 - -> add and subtract
 - -> count # of digits after the decimal
 - -> round sum or diffrrence to the same # of digits after the deciaml as the original measurement with the fewest digits after the decimal
- 6. rearrange an equation for a specified variable
- 7. perform metric conversions using conversion factors

Physics 112

Wednesday, April 25/18

http://mvhs.nbed.nb.ca/
http://mvhs-sherrard.weebly.com/

Midterm - Monday, April 30

- 1. Presentation Maker Space -> Dylan Howe
- 2. Return -> FA 1st Law Problem Justifications
- 3. Check Worksheets 1st and 2nd Law Problems
- 4. FA Newton's Laws of Motion
- 5. Concepts: U2 S3 Introduction to Momentum
- 6. Momentum
- 7. Impulse
- 8. Worksheet: C5 Momentum -> Page 197: PP #29 C5 Impulse -> Page 200: PP #30-32
- 9. Impulse-Mometum Theorem
- 10. Worksheets:
 - C5 Impulse-Momentum Page 203: PP #33-35
 - C5 Momentum and Impulse-Momentum Page 209: PFU #37-45

Physics 122 Wednesday, April 25/18

http://mvhs.nbed.nb.ca/
http://mvhs-sherrard.weebly.com/

Midterm - Thursday, April 26/18

1. Midterm Review

2. Check:

Worksheet - Current -> Textbook - C15 - Page 696, PP #4-10 Worksheet - Resistance -> Textbook: C15, Page 708, #16-20 Worksheet - Ohm's Law -> Textbook: C15, Page 714, #21-25

- 3. Power Continue
- 4. Worksheet Textbook: Page 737, #40-42 Page 744, #46-50
- 5. Series Circuits
- 6. The VIR Chart
- 7. Worksheet (Series) Textbook: Page 719, #27-31
- 8. Parallel Circuits
- 9. Worksheet (Parallel) Textbook: Page 724, C15 PP#32-35
- 10. Combination/Complex Circuits
- 11. Worksheet (Complex) Textbook: Page 728, #36-37 Textbook: Page 749, #33-34
- 12. Worksheets Circuit #1
 Circuit #2

Physics 122 **Midterm Problems**

Push/Pull **OR** Incline Plane
Static Torque
Relative Velocity - Boat/Plane
2D Collision/Explosion
Columb's Law - 3 Charges
Electric Field Strength

Science 122 Wednesday, April 25/18

Midterm - April 30/18

- 1. Wellness Wednesday Activity
- 2. Check

Worksheet - Worksheet - Energy of Photons, Work Function, de Broglie Wavelength, Etc.

Worksheet - Energy Levels

FA - Photoelectric Effect and Energy Levels

- 2. Optional -> Two More Types of Nuclear Reactions: Fission and Fusion
- 3. Topic Magnetism
- 4. Electric Charge Versus Magnetic Poles
- 5. Lodestone and Ferromagentic Materials
- 6. Magentic Domains
- 7. Magnetic Field Lines
- 8. Electromagnetism
- 9. Right-Hand Rule #1
- 10. Solenoid/Electromagnet
- 11. Right-Hand Rule #2
- 12. Right-Hand Rule #3
- 13. Two Current-Carrying Wires
- 14. Electric Motors