

Science 10

Wednesday, April 11/18

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

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

1. Check
Worksheet - Translating Word Equations
 2. FA - Translations
 3. SA - Translating Reactions into Balanced Chemical Equation
- Thursday, April 12/18
 4. Check:
ABC Brainstorming - Chemistry
 5. Unit 2 - Motion
 6. Roller Coaster Project- To Be Continued
-
7. Physics
 8. Linear Motion
 9. Physical Quantities
 10. SI System of Units - Base Units
- Derived Units
 11. Scientific Notation
 12. Certainty and Significant Digits
 13. Our Rule for Counting SDs
 14. Exact and Defined Values
 15. Rounding Values

Physics 112

Wednesday, April 11/18

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



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



1. FAs - Force, Newton, Types of Forces and Weight
2. Worksheet - Free Body Diagrams
3. SA - U2 S1 -> Topics
-> Thursday, April 12/18
4. Concepts: U2 - Section 2 -> Newton's Laws of Motion
5. Inertia
6. Newton's First Law of Motion
7. Worksheet - Practice Problems -> C4, Page 144: 5-7
Started Prob. 5 - Will Complete Tomorrow

Topics - A: U2 - S1

- > definitions: force, net force
- > five specific forces
 - > definitions and symbols (\mathbf{W} , \mathbf{F}_a , \mathbf{N} , \mathbf{T} , \mathbf{F}_f)
- > types of forces and examples
- > draw FBDs (free body diagrams)
 - > objects at rest
 - > objects with uniform motion
 - > objects with uniformly accelerated motion
- > formulas

$$\vec{W} = m\vec{g}$$

-> perform calculations

$$F_f = \mu N$$

-> no calculations yet

-> μ has no units

-> static (stationary)

-> kinetic (moving)

-> $\mu_s > \mu_k$

-> $\mu < 1$

Physics 122

Wednesday, April 11/18

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



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



1. Check
Worksheet - Charge and Coulomb's Law (Two Charges)
2. Coulomb's Law - Three Charges in a Line
3. Coulomb's Law - Three Charges at Angles
4. Worksheet - Coulomb's Law - Three Charges

5. Electric Fields

Science 122

Wednesday, April 11/18

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



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



-
1. Activity and Decay Constants - Continue
 2. Tomorrow -> Work Block
Worksheets: Half-Life, Activity and Decay Constants
-