

# Physics 112

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

Thursday, September 13/18

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~~\*Bus Evacuation - Today, Period 2 (10:00 to 10:15 -> Bus #5)~~

\*Meeting - After School Today

1. **Assignment - Alphabetical Autobiography**  
- See Me by Friday, Sept. 14/18 } All In
2. **Summative Assessment - Basic Knowledge/Skills**  
- Topics - See Next Page  
- Date: Tuesday, Sept. 18/18
3. FA - Metric Conversions and Rearranging Equations (10 min)
4. Worksheet: Conversions and Rearranging Formulas  
Extra Practice - Metric Conversion Worksheet #1  
Worksheet: Rearranging Sheet

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5. Unit 1 - Kinematics
  6. Learning Targets - Unit 1
  7. Unit 1 - Section 1: Vector Analysis
  8. Mechanics
  9. Types of Physical Quantities
  10. Vectors: Direction, Notation & Representation
  11. Physical Quantities to Know
  12. Adding Vectors Graphically: 2 Methods
  13. Worksheet: Order of Vector Addition
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# Topics - SA: Basics Knowledge/Skills

1. physics - definition
2. metrology - definition
3. physical quantity - definition
4. measurements - two parts
5. scientific notation
6. accuracy/precision - definitions, interpret scenario
7. percent error calculation
8. significant digits - in a given measurement
  - Precision (+ and -) & Certainty (x and  $\div$ ) Rules
9. SI system - quantities and 7 base units (names/symbols)
  - derived units
10. SI prefixes - names, symbols and powers of ten
11. metric conversions - 1 step
  - 2 steps
  - m/s  $\longleftrightarrow$  km/h
12. rearranging equations

## Physics 122

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### \*Meeting - After School on Today

1. Justifications and Learning Categories - Submit
  2. Check:  
[Worksheet: Force Problems - Type I -> Complete](#)
  3. FA - Force Problem - Type I
  4. Static Equilibrium - To Be Continued
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5. Type II: Suspended Objects - Simple
  6. Worksheet: Force Problems - Type II (Simple)
  7. FA - Force Problem - Type II (Simple)
  8. Type II: Suspended Objects - Complex
  9. Worksheet: Force Problems - Type II (Complex)

## Science 10

Thursday, September 13/18

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### \*Meeting - After School on Today

1. Return Results Tomorrow/Monday

**Assignment - What's in a Name?**

**- Due: Today, Wednesday, Sept. 12/18**

**- 1 Day Late Today**

2. Worksheet: Bohr-Rutherford Diagrams (First 20 Elements)

3. SA - Chem #1 -> Date - Tuesday, Sept. 18/18

Topics - See Next Page

4. **Review: SA - Chem #1 - Complete**

**P4 & P5**

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5. Ions

6. Worksheet: Bohr-Rutherford Diagrams Atoms to Ions

7. Worksheet - Chemistry: Ions and Subatomic Particles

8. Naming Monatomic Ions

## Topics: SA - Chem #1

1. chemistry
2. matter
3. types of properties: physical and chemical
4. types of changes: physical and chemical
5. atoms -> building blocks of matter
  - > three subatomic particles:  $p^+$ ,  $n$ ,  $e^-$
  - > locations of three subatomic particles
  - > electrically neutral:  $\#p^+ = \#e^-$
6. element
7. chemical symbols
8. periodic table of the elements - periods (rows)
  - groups/families (columns)
  - family and period names
  - location of metals, nonmetals and metalloids
  - characteristics of metals and nonmetals
9. atomic number = number of protons
10. standard atomic notation
11. Bohr-Rutherford Diagrams

# FIGURE IT OUT!

## #6

Each block represents a saying or well-known phrase.  
Please write your answers on the back of the page.

<p>1 MORE MORE MORE MORE MORE MORE MORE MORE MORE MORE MORE</p>	<p>2 <b>OPINION</b> OPINION</p>	<p>3 R Y S</p>	<p>4 The <b>DIAL</b> Hospital</p>
<p>5 DUMPL <b>FUMELING</b> DUMP</p>	<p>6 BENDING — UOY ROF</p>	<p>7 IRIGHTI</p>	<p>8 <b>(N)</b></p>
<p>9 MAY AA</p>	<p>10 W A L K      W A L K</p>	<p>11 STAYINGTHEGAME</p>	<p>12 ROLE ROLE</p>
<p>13 AMINPM</p>	<p>14 WEL <b>▲</b> L</p>	<p>15 LOV</p>	<p>16 <b>PAINS</b> <b>PAINS</b></p>
<p>17 LEFT OUT FIELD</p>	<p>18 1 1 The 1 1 block 1 1 1 1</p>	<p>19 <b>EZ</b> <b>II</b></p>	<p>20 WAY YIELD</p>