

Room 4231 - N. Sherrard

Period 1 - Prep

Period 2 - Physics 112

Period 3 - Physics 122

Period 4 - Science 122

Period 5 - Science 10

Physics 112

Friday, February 1/19

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

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1. Class List/Seating Plan
 2. Prerequisites for Physics 112
 3. **Assignment - My Alphabetical Autobiography**
- Due: Tuesday, Feb. 5/19
 4. Course Outline
 5. Basic Knowledge and Skills - Concept Sheet
 6. Pre-Summative Assessment Checklist
 7. What is Physics?
 8. Metrology
 9. Physical Quantities
 10. Scientific Notation
 11. Accuracy vs. Precision - To Be Continued
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12. Percent Error
 13. Significant Digits
 14. Counting Significant Digits
 15. Significant Digits - Operation Rules
 16. Worksheet: Counting Significant Digits and Rounding
Worksheet: Certainty and Precision Rules
 17. International System of Units
 18. SI Fundamental/Base and Derived Units
 19. SI Prefixes
 20. Metric Conversions
 21. Rearranging Equations

Physics 112

*My Alphabetical Autobiography***Instructions:**

Write the 26 letters of the alphabet down the left-hand side of a sheet of paper. Write a word or phrase next to each letter that expresses something important in your life – an event, a person, a skill, a favorite something, or a word that describes you.

Don't forget to put your name on your paper.

The autobiography is due: Tuesday, Feb. 5/19

Example:*Miss Sherrard's Alphabetical Autobiography*

<p><i>A - addled</i></p> <p><i>B - books</i></p> <p><i>C - cookies</i></p> <p><i>D - Doris</i></p> <p><i>E - Elaine</i></p> <p><i>F - flabbergasted</i></p> <p><i>G - Georgia</i></p> <p><i>H - Harvey</i></p> <p><i>etc.</i></p>

Once you've submitted your autobiography, Miss Sherrard will choose five of the words you've selected.

By Friday, Feb. 8/19, see Miss Sherrard to explain your choices. (5)

Physics 122

Friday, February 1/19

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

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1. Class List/Seating Plan
 2. Prerequisite for Physics 122
 3. Course Outline
 4. Physics 122 - Formula Sheet
 5. Worksheet: Review Exercise - Completed and Checked
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6. Pre-Summative Assessment Checklist
 7. Graphical Track of Formative Assessments
 8. Unit 1 - Section 1 -> Force Problems
 9. Vector Review
 10. Perpendicular Components of a Vector
 11. Adding Vectors Using Perpendicular Components
 12. Worksheet: Vectors - Perpendicular Components
 13. FA - Perpendicular Components of a Vector
FA - Adding Vectors Using Perpendicular Components
 14. Reminders: Kinematic Equations
Newton's Second Law
 15. Force Problems Involving Components - Types I, II and III
 16. Type I: Pulling or Pushing An Object

Science 122

Friday, February 1/19

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1. Class List/Seating Plan
 2. Course Outline
 3. Science 122 - Formula Sheet
 4. Topic - Optics
 5. Reflection
 6. Law of Reflection
 7. Regular and Diffuse Reflection
 8. Refraction
 9. Index of Refraction
 10. Speed of Light in a Substance
 11. Ray Diagrams for Refraction - Three Cases
 12. Snell's Law
 13. [Worksheet: Refraction -> #1-13](#)
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14. Characteristics of Images Produced by Mirrors (POST)
 15. Plane Mirrors
 16. Spherical (Curved) Mirrors

Science 10

Friday, February 1/19

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

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

1. Class List/Seating Plan
 2. Prerequisites for Science 10
 3. Course Outline
 4. Classroom Expectations
 5. **Assignment - Autobiographical Poem**
Due - Tuesday, Feb. 5/19
 6. Mindset - Video <https://safeshare.tv/x/ss5b8eecfa3a060#>
 7. Following Instructions
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8. Topic Area #1 - Physical Science: Chemical Reaction
9. Types of Properties: Physical and Chemical
10. Types of Changes
11. Atoms and Their Structure
12. Elements and Their Chemical Symbols
13. Periodic Table of the Elements
14. Handout - Periodic Table of Elements
15. Chemical Periods and Groups/Families
16. Characteristics of Metals and Nonmetals
17. Atomic Number
18. Standard Atomic Notation
19. Worksheet: Standard Atomic Notation
20. Bohr-Rutherford Diagrams
21. Worksheet: Bohr-Rutherford Diagrams