

Room 4231 - N. Sherrard

Period 1 - Science 10

Period 2 - Physics 112

Period 3 - Physics 122

Period 4 - Science 122

Period 5 - Prep

Classroom Expectations

1. Be in your seat when the bell rings.
2. Be prepared - have necessary materials with you.
3. Speak and act respectfully.
4. Remain in your seat until dismissed.

*Peanut/Nut Safe School

Classroom Procedures

1. Backpacks, etc.
2. Paper/Pens/Pencils
3. Hall Pass
4. Extra Help
5. Cell Phones

Science 10

Friday, February 2/18

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



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



1. Class List/Seating Plan
2. Prerequisite for Science 10
3. Teachers/Students
4. Course Outline
5. Classroom Expectations
6. Classroom Procedures
7. Websites - School
- Weebly
8. **Assignment - Autobiographical Poem**
Due - Tuesday, Feb. 6/17
9. **Grade 9 Chem Topics - Highlight/circle words you do not know.**

10. Unit 1 - Physical Science: Chemical Reaction
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
16. Characteristics of Metals and Nonmetals

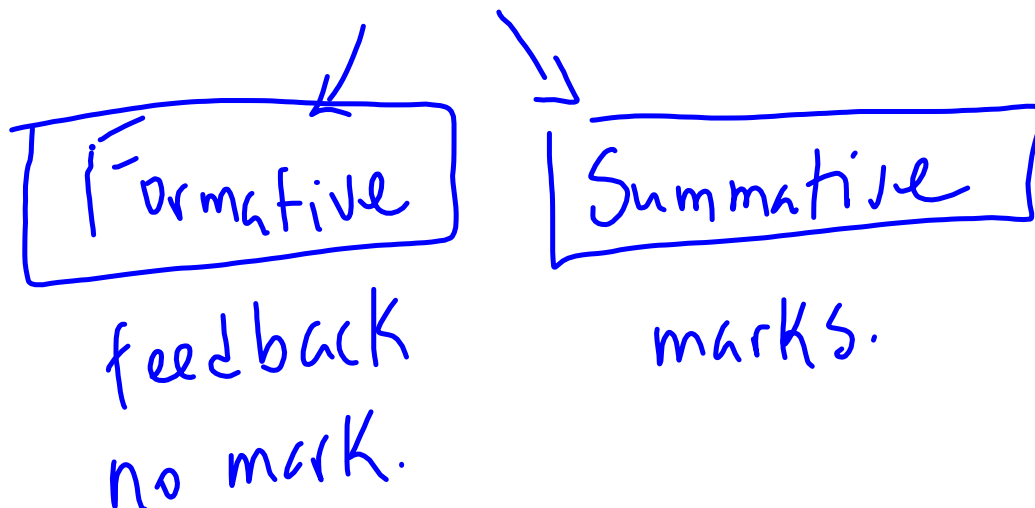
Characteristics of a Good Teacher

- respectful.
- prepared
- helpful
- doesn't get angry easily.
- clearly gives information.
- feedback is reasonable.
- reports
- not monotone / interested.

Characteristics of a Good Student

- ask questions.
- stay organized
- focused.
- respectful
- try
- reviewing feedback.
- absenteeism - low.

Assessments.



Physics 112

Friday, February 2/18

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1. Class List/Seating Plan
 2. Prerequisite for Physics 112
 3. Course Outline
 4. Physics 112 - Formula Sheet
 5. Classroom Expectations
 6. Classroom Procedures
 7. Websites - School Weebly
 8. **Assignment - My Alphabetical Autobiography**
- Due: Tues., Feb. 6/18
 9. Concept Sheet: Basic Skills
 10. What is Physics?
 11. Physical Quantities
 12. Scientific Notation
 13. Accuracy vs. Precision
 14. Significant Digits - To Be Continued
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15. Significant Digits - Operation Rules
 16. International System of Units
 17. SI Fundamental/Base Units
 18. SI Derived Units
 19. SI Prefixes
 20. Metric Conversions
 21. Rearranging Equations

Physics 122

Friday, February 2/18

<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. Classroom Expectations
 6. Classroom Procedures
 7. Websites - School
Weebly
 8. Review Exercise
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9. Unit 1 - Section 1 -> Force Problems
 10. Vector Review
 11. Perpendicular Components of a Vector
 12. Adding Vectors Using Perpendicular Components

Physics 122/121
Review Exercise

1. Define "physics". *The study of matter and energy*
2. What system of units do we use in physics? *SI*
3. What are the fundamental or base units of the system you named in #2? State the name and symbol of the units.
4. What is a derived unit? Give two examples.
two or more base units combined.
5. What prefixes do the following symbols represent: k, T, n, c, μ , m, M?
6. Convert 46.7 μg to kg.
7. What rule is used to obtain the correct number of significant digits when
 - a) subtracting measurements?
 - b) multiplying measurements?
8. Rearrange the formula $p^2c = a + \frac{vxc}{b}$ for c.
9. What is the difference between a scalar quantity and a vector quantity?
10. List the names of four vector quantities and four scalar quantities.

Vector	Scalar
Velocity	Speed
Acceleration	Time
Displacement	Distance
Momentum	Mass
Impulse	Work
	Energy

Science 122

Friday, February 2/18

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1. Class List/Seating Plan
 2. Prerequisite for Science 122
 3. Course Outline
 4. Science 122 - Formula Sheet
 5. Classroom Expectations
 6. Classroom Procedures
 7. Websites - School
Weebly
 8. Topic - Optics
 9. Law of Reflection
 10. Snell's Law of Refraction
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11. General Characteristics of an Image
 12. Plane Mirrors
 13. Characteristics of an Image Formed by a Plane Mirror
 14. Spherical (Curved) Mirrors
 15. Concave Mirrors
 16. Concave Mirrors - Ray Diagrams