April 13 - Report Cards Go Home (Wednesday)

April 14 - Parent-Teacher (Thursday - after school)

April 29 - Professional Learning Day (Friday)

May 5 - NBTA Meetings (Thursday)

May 6 - NBTA Council Day (Friday)

May 23 - Victoria Day (Monday)

May 27 - Professional Learning Day (Friday)

Physics 112
Wednesday, April 6/16

Explain That Stuff - April 8/16

Midterm - April 21/16 (Thursday)

1. Test - Unit 1 -> Wednesday, April 6/16

2. Worksheet - Practice Problems (PP) - C4 - Page 137: 1-4 HW

Science 122
Wednesday, April 6/16

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

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

Midterm - April 28/16 (Thursday)

1. Return -> Quiz -> Ray Diagrams for Spherical Mirrors

2. Check -> Worksheet: Convex Lens - Ray Diagrams

3. Concave Lenses and The Images They Form

4. Lens Equation, Magnification and Sign Conventions

5. Red Text -> C18 - Page 381 - PP #14-16
                         Page 383 - PP #17-19

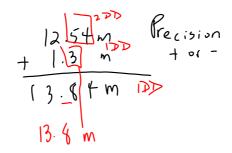   Page 387 - Review #1, 6, 9, 10, 12, 13
                                  Applying Concepts #3-8
                                  Problems #2, 4, 5, 7, 8, 9, 10, 13, 14

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6. Experiment 37 - Image Formation by a Converging Lens

Science 10   http://mvhs.nbed.nb.ca/
Wednesday, April 6/16

1. Lab - Types of Reactions, Gas Collection and More
   - 5 Days Late

2. Experiment: Measurement and Significant Digits
   - Each person submits a lab sheet for marking.
   - 1 Day Late

3. Quiz - Start of Physics to the End of Metric Conversions
   Topics
   Tentatively Thursday, April 7/16

4. Graphing Basics

5. Worksheet - Finding Slope From a Graph -> HW

6. Roller Coasters - Groups
   - Instructions
   - Rubric

7. Distance vs Time Graph

8. Slope and Speed

9. Activity - Tumble Buggies

$$20.450 \ kg$$

$$0.0010010 \ m$$

$$1.020 \times 10^4 \ kg$$

2SD.
12 m
× 1.05 m   3SD.

Certainty Rule
× or ÷

1.26 m²   2SD.   1.20 m²

1.3 m²

12.54 m   2DD
+ 1.3 m   1DD

Precision
+ or −

13.84 m   1DD

13.8 m

$$d = vt \quad [v]$$

$$v_f = v_i + at \quad [t]$$

$$v_f^2 = v_i^2 + 2ad \quad [v_i]$$

Quiz Topics

1. definitions: physics, kinematics, linear motion, physical quantity
       defining equation

2. SI System - International System of Units
       - know the SI base units for length, time and mass
          m   s   kg

3. certainty - identify certain and uncertain digits in a measurement
       - determine the certainty of a measurement by stating
       its number of significant digits

4. rules - Certainty Rule (multiply and divide)
       - Precision Rule (add and subtract)
       - round answers to appropriate number of SDs

5. rearrange an equation for a specified variable

6. perform metric conversions using conversion factors

Physics 122

Wednesday, April 6/16

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Explain That Stuff - April 8/16

1. Return -> Assignment: U1- S3 & 4

2. Test - Unit 1 -> Friday, April 8/16

3. Experiment 10.2 - Torques (Page 67)
   Experiment 9.1   - Conservation of Momentum (Page 55)

4. Unit 2 - Projectiles, Circular Motion, Law of Gravitation, SHM

Test Prob. → <u>Force</u>

→ push/pull ①

→ ~~Sign~~

→ inclined plane. ①

<u>Torque</u>

→ Static equilibrium
no angles/angles ①

6 problems

10min/prob.

<u>Relative Vel.</u>

→ boat/plane ①

→ ~~intersection~~

<u>Collisions/Expl</u>

→ 1D (elastic/inelastic) ①

→ 2D