Science 9

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

Friday, December 6/19

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1. Activity: Construct a 2D DNA Molecule
   Due - Nov. 29/19
   4 Days Late Today

2. Hands-On Activity: Mitosis -> Continue

3. Video - Mitosis (Animation)

4. Video - Mitosis (Real Microscopic)

5. Worksheet - Mitosis Practice - Complete for Monday

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6. Meiosis

Physics 112

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Friday, December 6/19

Door

1. Worksheet - Work -> Mandatory Problems

2. FA - Work (5)
   LC - Due: Tuesday, Dec. 10/19

3. Unit 3 - Section 2: Types of Energy and Work-Energy Theorems

4. Types of Energy: Kinetic and Potential

5. Kinetic Energy

6. Work-Kinetic Energy Theorem

7. U3-S2: Types of Energy and Work-Energy Theorems
   -> Kinetic Energy
   -> Work-Kinetic Energy Theorem

Physics 122

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Friday, December 6/19

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1. Check
   Worksheet - Simple Harmonic Motion

2. Return:
   FA - SHM: Pendulum
   LC - Due Thursday

3. FA - SHM: Mass on a Spring
   LC - Due Tuesday

4. Worksheet - Projectiles
   -> Projectiles Launched Horizontally

Science 10

Friday, December 6/19

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1. Questions?
   SA: Physics #2 - Date -> Tuesday, Dec. 10/19
2. Worksheet - Position and Displacement (100 Acre Wood)
3. Formula Sheet
4. Velocity
5. Calculating Velocity
6. Sample Problem #1
7. Worksheet: Constant Velocity and Average Velocity Problems
   Try some constant velocity problems: #4, 5, 6, 7, 8, 11, 12, 15

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8. Representing Vector Quantities
9. Resultant (Final) Displacement
10. Average Velocity
11. Sample Problems

Topics - SA: Physics #2

1. Plot and label points in the four quadrants.

2. Write the coordinates of a plotted point.

3. Determine the slope of a line using:

$$m = \frac{\text{rise}}{\text{run}} \quad \text{OR} \quad m = \frac{y_2 - y_1}{x_2 - x_1}$$

4. Draw and label a distance vs. time graph.

5. Be able to determine the speed of an object from a distance vs. time graph. → calc. slope.

6. Match a graph to a story/interpret a graph.

7. Answer questions about distance vs. time graphs.

8. Solve average speed problems.