Science 9
Thursday, December 5/19

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

---

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

2. SA - Parts of a Cell (Functions and Diagram)
    2nd Attempt - *Today at Noon

3. Vocabulary List

4. Mitosis/Cell Division

5. Hands-On Activity: Mitosis -> To Be Continued

Physics 112
Thursday, December 5/19

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

Door

---

1. Check:
   Worksheet - Work (#1-3)

2. Three Cases - No Work is Done

3. Types of Work - Positive and Negative

4. Worksheet - Work -> Mandatory Problems

---

5. FA - Work (5)
   LC - Due: Monday, Dec. 9/19

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

7. Types of Energy: Kinetic and Potential

8. Kinetic Energy

9. Work-Kinetic Energy Theorem

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

Physics 122
Thursday, December 5/19

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

1. SA - U2 S1&2 (Circular Motion and Heavenly Bodies)
   Noon Today

2. Check
   Worksheet - Simple Harmonic Motion

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

4. FA - SHM: Mass on a Spring
   LC - Due Friday

5. U2 - Section 4 - Projectiles

6. Terms to Know

7. Projectile Fired Horizontlally

8. Formulas: Horizontal Projectiles

9. Worksheet - Projectiles

Science 10
Thursday, December 5/19

http://mvhs.nbed.nb.ca/
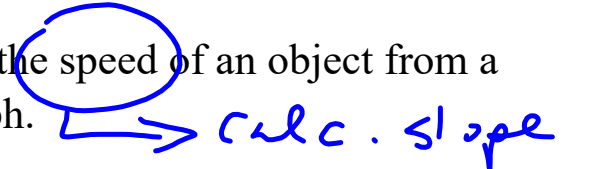
http://mvhs-sherrard.weebly.com/

Bus Supervision

1. Check:
   Worksheet #1 Calculating Average Speed, Distance and Time
   Worksheet #2 - Calculating Average Speed, Distance and Time

2. Check:
   Review - SA: Physics #2

3. SA: Physics #2 - Date -> ___Tuesday, Dec. 10/19___

4. Types of Physical Quantities

5. Position

6. Displacement

7. Gecko Demo

8. 100 Acre Wood

9. Worksheet - Position and Displacement (100 Acre Wood)

10. Formula Sheet

11. Velocity

12. Calculating Velocity

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:

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

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.