Physics 112

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

Tuesday, April 16/19

---

1. Submit/Return -> FAs: Laws of Motion Problems

2. Check -> Third Law of Motion

3. *Pre-Summative Checklist

4. Questions re Problems?
   #12 - Courtney

5. SA - U2: S1&2
   - Date: Thursday (April 18)
   - Format:
     -> MC (10-15)
     -> Problems (5)
     - Weight
     - 1st Law Problem
     - 2nd Law Problem (Type II)
     - 2nd Law Problem (Type III)
     - 2nd Law Problem (Type II and III Combined)

6. U2 - Section 3: Introduction to Momentum - Concept Sheet

7. Momentum

8. Impulse - To Be Continued

---

9. Worksheet: C5 - Momentum, Page 197: PP #29
   C5 - Impulse Page 200: PP #30-32

10. Impulse-Momentum Theorem

11. Worksheet: C5 - (I-M Thm) Textbook: Page 203, PP #33-35
    Textbook: Page 209, #37-45

Check -> Third Law of Motion

a) To say the weight of the apple is 1.0 N is to say that a downward gravitationl force of 1.0 N is exerted on the apple by

the earth her hand

b) Nellie's hand supports the apple with a normal force **N** which acts in a direction opposite to **W**. We can say **N**

equals **W** has the same magnitude as **W**

c) Since the apple is at rest, the net force on the apple is

zero nonzero

d) We

can cannot

say that **N** an **W** comprise an action-reaction pair. The reason is that action and reaction forces always

act on the same object act on different objects

and here we see **N** and **W** are

both acting on the apple acting on different objects

e) If we say an *action* is the earth pulling down on the apple, the *reaction* is

the apple pulling up on the Earth

Nellie's hand pushing up on the apple

f) Another pair of forces is **N** and the downward force of the apple against Nellie's hand. This force pair

is an action-reaction pair is not an action-reaction pair

Physics 122

Tuesday, April 16/19

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

1. Questions?
   Series Circuits -> Worksheet: Practice Problems
   Parallel Circuits -> Worksheet: Practice Problems
   Combination/Complex Circuits -> Worksheet: Practice Problems

2. Circuit #1 and #2

3. SA - Electric Circuits

---

4. Unit 2 - Section 1 - Uniform Circular Motion

5. Horizontal Circular Motion

6. Centripetal Acceleration

7. Centripetal Force

8. Formulas - Horizontal Circular Motion

9. Worksheet - Circular Motion

Science 122

Tuesday, April 16/19

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

1. Questions?
   Worksheet - Energy of Photons, Work Function, de Broglie Wavelength, Etc.
   Worksheet - Nuclear: Energy Levels

   SA - Nuclear Physics -> Date: Friday, April 26/19

2. Next Topic: Electrochemistry

3. Electrochemistry

4. Reduction Reactions and Reducing Agents

5. Oxidation Reactions and Oxidizing Agents

6. Redox Reactions

7. Spontaneous Reactions

8. Generalizations: Oxidizing Agents and Reducing Agents

9. Table of Redox Half Reactions

10. Building Tables of Redox Half Reactions

11. Worksheet - #63

12. 5 Steps for Predicting Redox Reactions

13. Worksheet - #64

Science 10

Tuesday, April 16/19

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

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

1. Translating Sentences or Word Equations into Balanced Chemical Equations

2. Kahoots - Emma and Brook

3. Worksheet: Translations

4. SA - Chemistry #3
   - Topics
   - Date: Wednesday, April 24/19

5. ABC Brainstorming

6. Review SA - Chemistry #3