Physics 112

Wednesday, February 5/20

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1. Check:
   Worksheet - Conversions and Equations

2. Percent Error - To Be Continued

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3. **IP - Percent Error Practice Problems**

4. Topics - SA: Basic Knowledge and Skills/Learning Targets

5. Summative Assessment - Next Week

6. Sample - Summative Assessment: Basic Knowledge and Skills

7. Unit 1 - Kinematics
   Section 1 - Vector Analysis

8. Mechanics, Kinematics and Dynamics

9. Types of Physical Quantities

10. Vectors: Direction, Notation & Representation

11. Physical Quantities to Know

12. Adding Vectors Graphically (2 Methods)

Topics - SA: Basics Knowledge/Skills

1. physics - definition

2. metrology - definition

3. physical quantity - definition

4. measurements - two parts

5. scientific notation

6. accuracy/precision - definitions, interpret scenario

7. significant digits - in a given measurement
   - Precision (+ and -) & Certainty (x and ÷) Rules

8. SI system - quantities and 7 base units (names/symbols)
   - derived units

9. SI prefixes - names, symbols and powers of ten

10. metric conversions - 1 step
    - 2 steps (including m/s ⟷ km/h)

11. rearranging equations

12. percent error calculation

Physics 122

Wednesday, February 5/20

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1. Guided Practice: Force Problem: Type I -> Continue
2. **IP - 2D Force Problems**

Science 122

Wednesday, February 5/20

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1. Check:
   Independent Practice - Mirrors

2. FA - Mirror: Ray Diagram
   FA - MIrror: Problem

3. Lenses

4. Convex Lenses

5. Locating an Image Formed by a Convex Lens

6. Convex Lens - Ray Diagrams

7. Concave Lenses

8. Concave Lens - Ray Diagram

9. Lens Equation, Magnification and Sign Conventions
   - To Be Continued

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10. **IP - Lenses**

Science 10

Wednesday, February 5/20

1. Return - Autobiographical Poems
2. FA - Chemistry to Chemical Symbols - Thursday
3. Characteristics of Metals and Nonmetals
4. Atomic Number
5. Summative Assessment: Periodic Table of Me, Myself and I
   Due - Friday, Feb. 7/20
6. Standard Atomic Notation
7. Duotangs and Worksheets
8. **Standard Atomic Notation Worksheet**
9. Bohr-Rutherford Diagrams

Science 10

Formative Assessment - Chemistry to Chemical Symbols

Topics:

1. chemistry
2. matter
3. atom
4. nucleus
5. three subatomic particles (location and type of charge, if any)
   - protons
   - neutrons
   - electrons
6. element
7. chemical symbols (format)