Physics 112

Friday, February 22/19

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1. Return -> SA - Basic Knowledge and Skills
2. Review: Primary Trig Ratios
   - Emoticon Mosaics
3. Review: Law of Pythagoras
4. Rubric - Adding Vectors Analytically
5. Worksheet - U1 S1: Vector Analysis

Physics 122

Friday, February 22/19

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1. FA - Force Problem - Type I - Pull
   FA - Force Problem - Type I - Push
   FA - Force Problem - Type II - Simple
   FA - Force Problem - Type II - Complex
   FA - Force Problem - Type III - Inclined Plane
   FA - Force Problems - Type I, II and III

2. Example #2 - Static Torque

3. Worksheet - Static Torque - #1

Science 122

Friday, February 22/19

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1. SA -> Optics

2. Worksheet - Practice Problems on Lenses in Combination
   Worksheet - Extra Problems - Double Lenses

Science 10

Friday, February 22/19

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1. SA - Chem #1
   - Topics
   - Date: Friday, February 22/19

2. Assignment: Periodic Table of Me, Myself and I
   Date: Friday, Feb. 22/19

3. Worksheet: Bohr-Rutherford Diagrams Atoms to Ions

4. Worksheet - Chemistry: Ions and Subatomic Particles

5. Optional Assignments

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6. Naming Monatomic Ions

7. Worksheet #1 - Monatomic Ions

8. Ionic Compounds

9. Simple Binary Ionic Compounds

Topics: SA - Chem #1

1. chemistry
2. matter
3. types of properties: physical and chemical
4. types of changes: physical and chemical
5. atoms -> building blocks of matter
   -> three subatomic particles: p^+, n, e^-
   -> locations of three subatomic particles
   -> electrically neutral: $\#p^+ = \#e^-$
6. element
7. chemical symbols
8. periodic table of the elements - periods (rows)
   - groups/families (columns)
   - family and period names
   - location of metals, nonmetals and metalloids
9. atomic number = number of protons
10. standard atomic notation
11. Bohr-Rutherford Diagrams

proton
neutron
electron