

Science 10

Monday, April 9/18

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1. SA Chem #2 - Marks
 2. Check
Worksheet - Translating Word Equations
 3. FA - Translations
 4. Predicting Products
 5. Worksheet - Predicting Products
 6. SA - Translating Reactions into Balanced Chemical Equation
- Wednesday, April 11/18
 7. ABC Brainstorming - Chemistry
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8. Unit 2 - Motion
 9. Physics
 10. Linear Motion
 11. Physical Quantities
 12. SI System of Units - Base Units
- Derived Units
 13. Scientific Notation
 14. Certainty and Significant Digits
 15. Our Rule for Counting SDs
 16. Exact and Defined Values
 17. Rounding Values

} Optional Topic

Physics 112

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1. Return -> SA: U1-S3 - Mathematical Analysis
 2. Check
Worksheet - Practice Problems (PP) - C4 - Weight - Page 137: 1-4
 3. Force of Friction - Continue
 4. Handout - Coefficients of Friction
 5. Free Body Diagrams - To Be Continued
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6. Worksheet - Free Body Diagrams
 7. SA - U2 S1 -> Topics
-> Thursday, April 12/18
 8. Concepts: U2 - Section 2 -> Newton's Laws of Motion
 9. Inertia
 10. Newton's First Law of Motion
 11. Worksheet - Practice Problems -> C4, Page 144: 5-7

Topics - A: U2 - S1

- > definitions: force, net force
- > five specific forces
 - > definitions and symbols (\mathbf{W} , \mathbf{F}_a , \mathbf{N} , \mathbf{T} , \mathbf{F}_f)
- > types of forces and examples
- > draw FBDs (free body diagrams)
 - > objects at rest
 - > objects with uniform motion
 - > objects with uniformly accelerated motion
- > formulas

$$\vec{W} = m\vec{g}$$

-> perform calculations

$$F_f = \mu N$$

-> no calculations yet

-> μ has no units

-> static (stationary)

-> kinetic (moving)

-> $\mu_s > \mu_k$

-> $\mu < 1$

Physics 122

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1. Return -> SA - Unit 1 - S3&4
 2. Unit 3 - Section 1 -> Electrostatics
 3. Transfer of Charge - Electrification by Friction
 - Conduction
 - Induction
 4. Law of Conservation of Electric Charge
 5. Electrostatic Force - To Be Continued

6. Coulomb's Law

Science 122

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1. Return -> SA - Fluid Mechanics
2. Topic - Nuclear Physics
3. Review Atoms
4. Isotopes
5. Hydrogen Isotopes
6. Radioactive Decay: Alpha, Beta and Gamma - To Be Continued