Physics 112

Thursday, September 14/17

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Bus Evacuation ->10:15-10:30 Bus #2

- 1. Assignment Alphabetical Autobiography- Check in by Friday, Sept. 15/17
- 2. FA Conversions and Rearranging Equations
- 3. Summative Assessment Basic Skills
 Topics
 Fid SIS 17.
- 4. Concept Sheet -> Unit 1 Section 1: Vector Analysis
- 5. Unit 1 Learning Targets
- 6. Mechanics
- 7. Types of Physical Quantities
- 8. Vectors: Direction, Notation and Representation
- 9. Adding Vectors Graphically
- 10. Range of Resultant Magnitudes
- 11. Rubric: Vector Analysis

Physics 112 - FA - Basic Skills #2 - S14/17

- 1. Perform the following conversions. Use conversion factors i part (a). Show some work for part (b).
 - (a) Convert 0.0902 Gg to cg.
 - (b) Convert 45 m/s to km/h.
- 2. Rearrange each equation for the indicated variable.

(a)
$$E_e = \frac{1}{2}kx^2$$
 [x]

(b)
$$v_{i}^{2} = v_{i}^{2} + 2ad$$
 [a]

(c)
$$\underline{b} = \underline{s-1}$$
 [n] $p + 7$

SA: Basics Skills - Topics

- 1. physics definition
- 2. physical quantity definition
- 3. measurements two parts
- 4. scientific notation
- 5. accuracy/precision definitions, interpret scenario
- 6. significant digits in a given measurement
 Precision (+ and -) & Certainty (x and ÷) Rules
- 7. SI system quantities and 7 base units (names/symbols)
 derived units m/5, m/5
- 8. SI prefixes names, symbols and powers of ten
- 10. rearranging equations

Physics 122

Thursday, September 14/17

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FA - Push/Pull

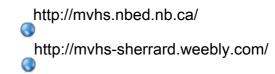
- 1. Return Rated -> FA Determine R.
- 2. Check -> Worksheet Type II Simple
- 3. Example Type II: Suspended Objects Complex
- 4. Worksheet Type II Complex HW
- 5. Type III Inclined Plane Problems
- 6. Examples Type III: Inclined Plane Problems

Formative Assessment - Pull Problem S14/17

A block is pulled along a horizontal surface by a string. The string makes an angle of 30° to the horizontal and is pulled by a 100 N force. If the coefficient of friction between the surface and block is 0.23, and the magnitude of the acceleration of the block is 1.7 m/s, what is the mass of the block? (25 kg)

Science 10

Thursday, September 14/17



- 1. Assignment Autobiographical Poem Due: Friday, Sept. 8/17 4 Days Late
- 2. Assignment Your Name in Chemical Symbols- Due: Friday, Sept. 15/17
- 3. Ionic Bonds P5
- 4. Simple Binary Ionic Compounds P5
- 5. Worksheet #2 Simple Binary Ionic Compounds

 P5
- 6. Polyatomic Ions
- 7. Ionic Compounds Containing Polyatomic Ions
- 8. Worksheet #3 Ionic Compounds Containing Polyatomic Ions
- 9. Transition Elements
- 10. Multivalent Metals and Their Ions
- 12. Ionic Compounds Involving Multivalent Metals
- 13. Worksheet #4