Science 9 Friday, January 10/20

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ELPA

STEM Fair - Thursday, February 6/20 (Morning)

1. Activity: Human Genetic Disorders -> Continue

-> Due: Friday, Dec. 20/19

-> 4 Days Late

- 3. Advantages and Disadvantages of Asexual and Sexual Reproduction
- 4. SA Genetic Conditions and Types of Reproduction
 - Topics

- Date: Wed . Noxt Week.

5. Get Owing Items In for Assessment

Physics 112

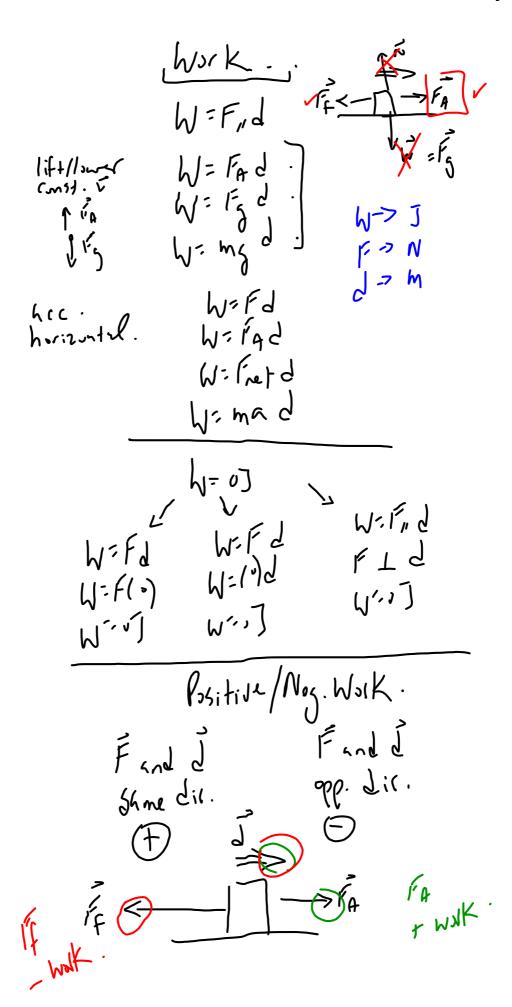
Friday, January 10/20

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- 1. Questions?
 - Worksheet Types of Energy and Work-Energy Theorems

Worksheet - Systems and Conservation of Energy

- 2. FA Elastic Potential Energy Due: Wed., Jan. 8/20
 - FA Mechanical Energy Optional -> No LC Required
 - FA Conservation of Energy Last One!
- 3. SA Work, Types of Energy, $W \Rightarrow E$, Conservation of Energy
 - Date: Tuesday, Jan 14/20
- 4. Exam Review Sample Problems
 - Problem #1 Started
 - Problem #2
 - Problem #3
 - Problem #4
 - Problem #5
 - Problem #6
 - Problem #7
 - Problem #8
 - Problem #9
 - Problem #10



Physics 122 Friday, January 10/20

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- 1. Worksheet Electric Charge and Coulomb's Law
- 2. FA Coulomb's (Three Charges)
- 3. Series Circuits
- 4. Parallel Circuits
- 5. Worksheet Electric Circuits
- 6. Complex/Combination Circuits

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- 1. SA Physics #3 Date: Monday, Jan. 13/20
- 2. Practice Exam Part 2 Part 3

Topics - SA: Physics #3

- 1. definitions: scalar quantity, distance, speed, vector quantity, reference point, position, displacement, constant velocity, resultant displacement, average velocity, acceleration
- 2. directions: positive (east, north, up, right) negative (west, south, down, left)
- 3. physical quantities: type, symbol and unit
- 4. determine the slope of a line using:

$$m = rise$$
 OR $m = y_2-y_1$
 x_2-x_1

- 5. identify types of motion:
 - 1. uniform (constant velocity)
 - 2. uniformly accelerated motion (changing velocity) x acci is constant
- 6. answer questions about position vs. time graphs
- 7. draw a velocity vs. time graph given a position-time graph
- 8. answer questions about velocity vs. time graphs
- 9. describe the motion of an object by comparing the directions of the object's velocity and acceleration
- 10. solve word problems:
 - (i) displacement
 - (ii) constant velocity
 - (iii) average velocity
 - (iv) acceleration (including feely falling boly)