

Science 9

Wednesday, December 4/19

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1. Activity: Construct a 2D DNA Molecule
Due - Nov. 29/19
2 Days Late Today
 2. Return:
SA - Parts of a Cell (Functions and Diagram)
2nd Attempt - *Thursday at Noon
 3. More Cell Parts
 4. The Cell Cycle - Notes and Diagram
 5. Vocabulary List
-
6. Mitosis/Cell Division

Physics 112

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Wednesday, December 4/19

Door

1. Return:
SA: U2 S3 - Introduction to Momentum
 2. **Redo - SA: U2 S1&2 (Forces, FBDs and Laws of Motion)**
- Wednesday, Dec. 4/19 - Noon
 3. Unit 3 - Work and Energy
 4. Section 1 - Work
 5. Energy
 6. Work
 7. Sample Problems
 8. **Worksheet - Work (#1-3)**
-
9. Three Cases - No Work is Done
 10. Types of Work - Positive and Negative

Physics 122

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1. Worksheet - Simple Harmonic Motion

2. Return:

FA - SHM: Pendulum

LC - Due Thursday

3. FA - SHM: Mass on a Spring - Today

LC - Due Friday

4. U2 - Section 4 - Projectiles

5. Terms to Know

6. Projectile Fired Horizontlally

7. Formulas: Horizontal Projectiles

8. Experiment 7.2 - Range of a Projectile

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1. Check:
Worksheet - #1 Calculating Average Speed, Distance and Time
2. Optional -> Worksheet #2 - Calculating Average Speed, Distance and Time
3. FA - Average Speed, Distance and Time
4. Topics - SA: Physics #2
5. Review - SA: Physics #2
6. SA: Physics #2 - Date -> To Be Determined

7. Types of Physical Quantities
8. Position
9. Displacement
10. Gecko Demo
11. Worksheet - Position and Displacement (100 Acre Wood)

Name

FA - Average Speed, Distance and Time

How much time, in hours, did it take a plane flying with an average speed of 159.7 m/s to travel a distance of 1.70×10^3 km?

Topics - SA: Physics #2

1. Plot and label points in the four quadrants.
2. Write the coordinates of a plotted point.
3. Determine the slope of a line using:

$$m = \frac{\text{rise}}{\text{run}} \quad \text{OR} \quad m = \frac{y_2 - y_1}{x_2 - x_1}$$

4. Draw and label a distance vs. time graph.
5. Be able to determine the speed of an object from a distance vs. time graph.
6. Match a graph to a story/interpret a graph.
7. Answer questions about distance vs. time graphs.
8. Solve average speed problems.