

Science 10
Tuesday, May 22/18

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Roller Coaster: Due: Friday, June 1/18
Optional Assignment - Graphing Characters (Max. 2)
- Due: Friday, June 1/18

1. Return Marks -> SA - Physics #2
 2. Roller Coasters
-
3. Types of Physical Quantities
 4. Direction
 5. Representing Vector Quantities Graphically
 6. Position
 7. Displacement
 8. Gecko Demo
 9. Worksheet - 100 Acre Wood
 10. Velocity
 11. Calculating Constant Velocity
 12. Sample Problems
 13. Resultant Displacement
 14. Average Velocity
 15. Worksheet: Constant and Average Velocity Problems
 16. Position vs Time Graphs
 17. Worksheets - Position vs Time Graphs

Physics 112

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1. SA - U3 S1

2. Exam Review

3. Types of Energy - Continue

4. Kinetic Energy

5. Work-Kinetic Energy Theorem

6. Worksheet: C6 PP #19-21 -> Kinetic Energy
C6 PP #22-25 -> E_k and Work- E_k Theorem

7. Gravitational Potential Energy

8. Reference/Zero Lines

9. Work-Gravitational Potential Energy Theorem

10. Worksheet: C6 PP #27 and 29 -> Grav. Pot. Energy
C6 PP #30-33 -> W- E_g Theorem

Physics 122

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1. Check:

Worksheet - Horizontal Projectile Problems: PP #1-8

Worksheet - C11, Text 543, PP #9-12

Worksheet - Text: Page 549, PP #13

Page 570, Prob. #17, 19, 20 (omit graph)

Worksheets - Mixed Problems

2. Worksheet - Circular Motion

3. FA - Horizontal Circular Motion

4. Unbanked Curves

5. Banked Curves

6. [Worksheet - Unbanked and Banked Curve Problems](#)

Formative Assessment - Horizontal Circular Motion

A 0.30 kg mass attached to a 150 cm long string is whirled around in a horizontal circle. If the tension in the string is 7.2 N, what is the frequency of the motion?

Science 122

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1. Check:
 - Worksheet - Magnetic Field Produced by a Wire
 - Worksheet - Force on a Wire in a Magnetic Field
 - Worksheet - Magnetic Force on a Single Charged Particle
 - Worksheet - Magnetic Fields and Circular Paths
 - Worksheet - Circular Trajectories and Applications
 - Worksheet - Red Text: PP, Applying Concepts and Problems
 - Worksheet - Conducting Rods and Lenz's Law
 - Worksheet - Transformers
2. SA - Magnetism -> Wednesday, May 23/18
3. Generalizations re Oxidizing and Reducing Agents
4. Table of Redox Half-Reactions
5. Redox Spontaneity Rule
6. Building Tables of Redox Half-Reactions
7. [Worksheet: #63](#)