

Science 10

Wednesday, May 23/18

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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. Types of Physical Quantities
 3. Direction
 4. Representing Vector Quantities Graphically
 5. Position
 6. Displacement
 7. Gecko Demo
 8. [Worksheet - 100 Acre Wood](#)
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9. Velocity
 10. Calculating Constant Velocity
 11. Sample Problems
 12. Resultant Displacement
 13. Average Velocity
 14. Worksheet: Constant and Average Velocity Problems
 15. Position vs Time Graphs
 16. Worksheets - Position vs Time Graphs

Physics 112

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1. Return Marks -> SA - U3 S1
2. Types of Energy - Continue
3. Kinetic Energy
4. Work-Kinetic Energy Theorem
5. [Worksheet: C6 PP #19-21 -> Kinetic Energy](#)
[C6 PP #22-25 -> \$E_k\$ and Work- \$E_k\$ Theorem](#)

6. Gravitational Potential Energy
7. Reference/Zero Lines
8. Work-Gravitational Potential Energy Theorem
9. [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

Worksheet - Uniform Circular Motion

Worksheet - Unbanked and Banked Curve Problems

U2 - S1 and S2 - Tuesday, May 29

2. U2 S3 - Universal Gravitation

3. Theories of Planetary Motion

4. Kepler's Three Laws of Planetary Motion - Experiment 8.1

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. SA - Magnetism -> Wednesday, May 23/18
 2. Worksheet: #63 - Building Redox Tables
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