

Physics 112

Tuesday, December 4/18

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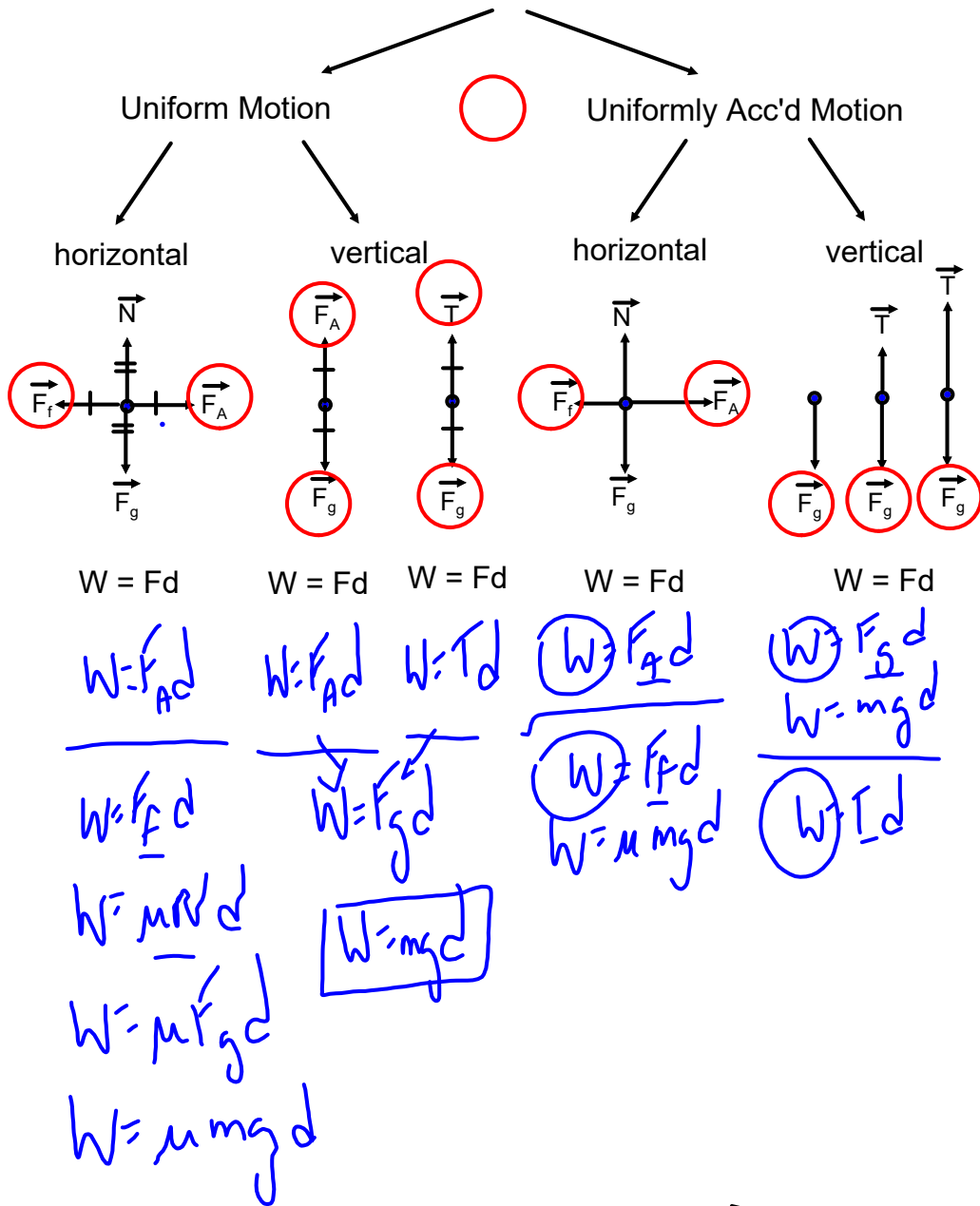


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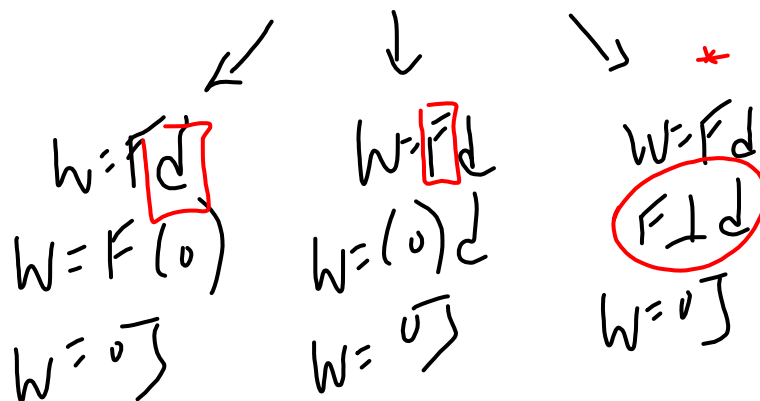


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1. Questions?
U2-S3 - Momentum, Impulse and Impulse-Momentum Theorem
 2. Conferences
 3. Graphic Organizer - Work Problems
 4. Questions?
Worksheet - C6 - Work, PP #4-10
 5. Types of Work - Positive and Negative Work
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6. FA - Work
 7. Work Done by Forces - F vs D Graphs
 8. SA - U3S1 - Work: _____
 9. U3S2 - Types of Energy and Work-Energy Theorems - Concepts
 10. Types of Energy
 11. Kinetic Energy
 12. Work-Kinetic Energy Theorem
 13. Worksheet - C6 PP #19-21 -> Kinetic Energy
- C6 PP #22-25 -> E_k and Work- E_k Theorem
 14. FA - Kinetic energy and Work- E_k Theorem - TBD
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Work Problems



3 (uses where No Work is Done)



Physics 122

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1. Questions?
SA - U2: S1&2 (Circular and Planetary Motion)
 2. FA - SHM: Pendulum - Deadline: Thursday, December 6/18
 3. Period of a Mass on a Spring
 4. Review Types of Energy
 5. Energy of a Mass on a Horizontal Spring
 6. Maximum Speed of a Mass on a Spring
 7. Speed Of A Mass On A Spring At Any Point
 8. [Worksheet - Mass on a Spring](#) -> [Text: Page 608, PP #1-4](#)
[Text: Page 623, PFU #23-27, 30](#)
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9. FA - SHM: Mass on a Spring
 10. U2S4 - Projectile Motion
 11. Terms to Know
 12. Projectile Fired Horizontally
 13. Formulas: Horizontal Projectiles
 14. [Worksheet - Horizontal Projectiles: C11, Text 536, PP #1-8](#)
 15. Projectile Fired at an Angle - Actual vs Theoretical Path
 16. Projectile Motion at Various Initial Angles
 17. Special Case
 18. Formulas: Projectile Launched At an Angle
 19. Other Possible Trajectories
 20. [Worksheet - Projectiles Fired at an Angle](#)
- C11, Text 543, PP #9-12
[Worksheet - Projectiles Fired at an Angle](#)
- C11, Text 549, PP #13, PP #14 (Level 1)
- C11, Text 570, PFU #17, 19, 20 (omit graph)
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Science 10

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1. Science Articles - Complete 8 by the end of the semester.
2. **SA - Physics #1 - Today**
3. Worksheet - Worksheet - Plotting Ordered Pairs
Worksheet - Finding Coordinates
Worksheet - Finding Slope from a Graph
4. Optional Assignment - Graphing Characters (Max. 2)

5. Physical Quantities
6. Distance vs Time Graph
7. Slope and Speed
8. Worksheet - Distance vs Time Graph
9. Graph Matching