

## Physics 112

<http://mvhs.nbed.nb.ca/>

Tuesday, December 11/18

<http://mvhs-sherrard.weebly.com/>

1. FA - Work -> Deadline: Tuesday, Dec. 11/18
  2. SA - U3S1 - Work: Tuesday, Dec. 11/18  
Format: Fill in the Blanks  
4-5 Problems
  3. Worksheet - C6 PP #19-21 -> Kinetic Energy  
- C6 PP #22-25 ->  $E_k$  and Work- $E_k$  Theorem
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4. FA - Kinetic Energy  
FA - Work- $E_k$  Theorem  
FA - Work- $E_k$  Theorem (Problem) } Deadline: TBD
  5. Gravitational Potential Energy
  6. Reference/Zero Levels
  7. Work-Gravitational Potential Energy Theorem
  8. Worksheet - C6 PP #27 and 29 -> Gravitational Pot. Energy  
C6 PP #30-33 -> W-  $E_g$  Theorem
  9. FA - Gravitational Potential Energy  
FA - Change in Gravitational Pot. Energy } Deadline: TBD
  10. Restoring Force
  11. Hooke's Law
  12. Elastic Limit
  13. Elastic Potential Energy
  14. FA - Elastic Potential Energy -> Deadline: TBD
  15. Worksheet - C6 PP #35-37 -> Hooke's Law  
C6 PP #38-40 - Hooke's Law and  $E_e$   
C6 PFU #16-17, 20, 23-25, 27-28, 30-31
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## Physics 122

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1. FA - SHM: Mass on a Spring - Deadline: Mond., Dec. 10/18
2. FA - Horizontal Projectiles - Deadline: Wed., Dec. 12/18
3. 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)  
Worksheets - Mixed Horizontal and Fired at an Angle Projectiles (2)
4. FA - Projectile Fired at an Angle - Deadline: Thurs., Dec. 13/18
5. FA - Mixed SHM and Projectile Motion
6. **SA - U2 S3&4 - SHM and Projectile Motion**  
- 5 Problems (10 min/Prob)  
- **Monday, Dec. 17/18**

## Science 10

Tuesday, December 11/18

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1. Science Articles - Complete 8 by the end of the semester.  
Optional Assignment - Graphing Characters (Max. 2)  
- Due: Dec. 21/18
2. Questions?  
Worksheets - Distance vs Time Graph
3. Check:  
Worksheet - Graph Matching Exercise
4. Average Speed
5. Problem Solving Strategy
6. Problem Solving Template
7. Examples: Average Speed Problems  
-> Sample Problem #1 Completed in Class
8. Roller Coasters and/or Intervention