

# Physics 112

Monday, November 16/15

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

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1. Return - Explain That Stuff #8  
Investigation- Atwood's Machine  
Assignment: Unit 2 - S1 & S2 - Review Tonight
  2. Egg Demo
  3. Check -> Textbook: Page 203, PP #33-34  
Textbook: Page 209, #37-45 } HW
  4. Multiple Choice - Momentum and Impulse
  5. Test - Unit 2 - Topics
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6. Lab - The Explosion (Change in Momentum) - OPTIONAL
  7. Test - Unit 2: Dynamics -> Thursday, Nov. 19/15

## Physics 112 - Midterm

### **Six Problems**

#### Unit 1 - Kinematics

Freely Falling Body Problem

Velocity-Time Graph

*Formula Sheet  
Provided.*

#### Unit 2 - Dynamics

C4 Problem - Object at Rest or Moving with Constant Velocity

C5 Problems -  $F_{net}$  and Kinematic Equation

$F_{net}$  and Individual Forces

Impulse/Momentum

## Physics 122

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Monday, November 16/15

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1. Return - Explain That Stuff #8
  2. Practice Midterm - Questions?
  3. Midterm - Thursday, Nov. 19/15
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4. Projectiles Fires Horizontally - Continue
5. Text: Page 536, PP #1-8
6. Experiment 7.2 - Range of a Projectile
7. Projectiles Fired at an Angle

## Physics 122 - Midterm

### **Six Problems**

Midterm -> Nov. 19/15

- Push or Pull Problem
- Incline Plane Problem
- Static Torque Problem
- Relative Velocity Problem (Boat or Plane)
- 1D Elastic/Inelastic Collision
- 2D Collision or Explosion

## Science 10

Monday, November 16/15

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1. Return - Worksheet - Slope  
Activity - Speed of a Tumble Buggy
  2. Check -> Worksheets - Distance vs Time Graphs
  3. **Assignment - Distance vs Time Graphs - To Be Passed in for Marking  
- Due - Wednesday**
  4. Problem Solving Strategy - Continue
  5. Sample Problems - Average Speed - To Be Continued
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6. Worksheet - Distance, Time and Speed Problems (2)
  7. Understanding Concepts - Page 358: #3-6, 8