

## Physics 112

Friday, November 13/15

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

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### Explain That Stuff #8 - Due Today

1. Investigation- Atwood's Machine -> 2 Days Late
2. Assignment: Unit 2 - S1 & S2
3. Midterm - Topics and Practice
4. Check -> Textbook: Page 197, #29 (C5)  
Textbook: Page 200, #30-32 (C5)
5. Egg Demo - Monday
6. Impulse-Momentum Theorem
7. Textbook: Page 203, PP #33-34  
Textbook: Page 209, #37-45 } HW



## 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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### Explain That Stuff #8 - Due Today

1. Progress Report
  2. Practice Midterm
  3. Projectiles - To Be Continued
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4. Text: Page 536, PP #1-8


## 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

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1. Return Quiz (Certainty, SDs, Etc)
  2. Activity - Speed of a Tumble Buggy - Graphs and Slopes  
- Pass in Today
  3. Graph Matching
  4. Worksheets - Distance vs Time Graphs
  5. Problem Solving Strategy - To Be Continued
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6. Word Problems - Average Speed