

Physics 112

Monday, October 19/15

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

Mock Election - Period 2

1. Check -> Worksheet - Freely Falling Bodies
2. Topics - Assignment: U1- S2+S3 -> Posted with Friday's Plan of the Day

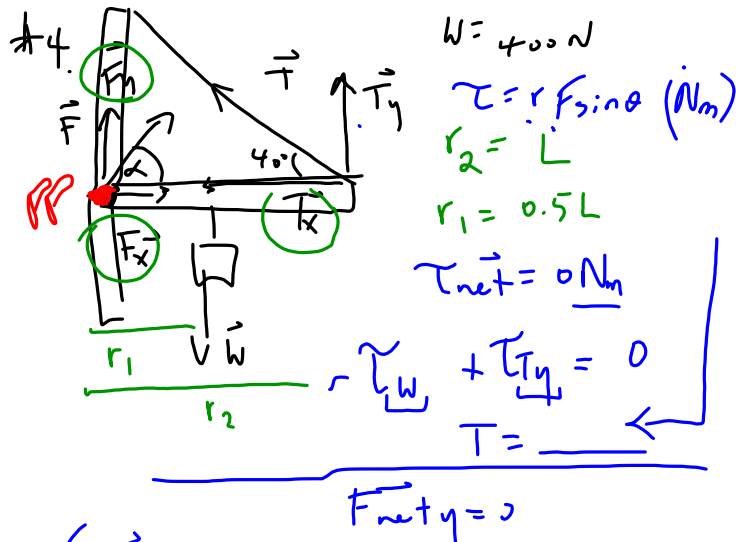
- **Tuesday, October 20/15**

3. Test Unit 1 - **Friday, October 23/15**

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4. Unit 2 - Dynamics: Section 1 - Types of Forces and FBDs

Mock Election

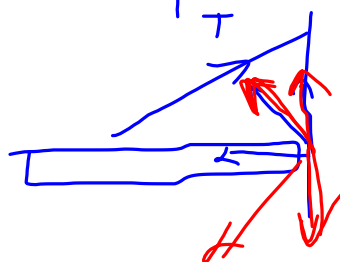
1. Check -> Worksheet - Static Torque #2
 2. Formative Assessment - Static Torque
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3. Unit 1 - Section 3 -> Relative Velocity
 4. Velocities Along the Same Line
 5. Relative Velocities Involving Angles
 6. Physics Classroom - Riverboat Simulator
 7. Page 110 - #21, 22, 25, 27(a)
Page 117 - #23, 24, 29



$$F_{\text{net } x} = 0 \quad + F_x - T_x = 0 \quad \left| \quad \boxed{+y} - W + \boxed{T_y} = 0$$

$$5. \quad b) \quad -W - W_b + T_y + F_y = 0$$

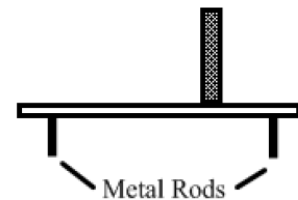
$$F_y = (-) 2.5 \times 10^2 \text{ N}$$



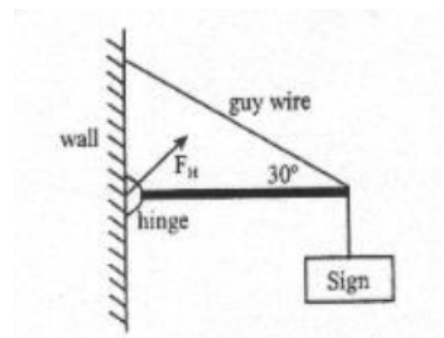
Monday, Oct. 19/15

Formative Assessment - Static Torque

A bookshelf made of a uniform wooden board 1.5 m long weighs 20.0 N and is supported by two thin metal rods each 5.0 cm from its end as shown in the diagram. A book weighing 16.0 N is placed upright on the shelf at a distance of 0.400 m from the right metal rod. Calculate the force each rod must exert on the board to maintain static equilibrium.




A uniform rod of length 2.0 m and mass 4.0 kg is hinged at the left end. A 25.0 kg sign is suspended from the right end. A guy wire is connected to the end of the rod and is fastened to the wall. Determine the magnitude of the vertical component of the force acting on the hinge.



Science 10

Monday, October 19/15

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

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1. Check -> Worksheet - Types of Reactions
 2. Science Lab Safety Contract
 3. Experiment – Types of Reactions, Gas Collection and More!
 4. Topics - Test: Chemistry Unit -> To Be Continued
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5. Video - Fireworks

Attachments

P112 - C3 Motion Problems- Freefall.doc