Science 10

Thursday, March 16/17

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1. Return -> Assignment - All Ionic Compounds
2. Law of Conservation of Mass
3. Balancing Chemical Reactions
4. Worksheet - Balancing Chemical Equations - To Be Continued

5. Types of Chemical Reactions
6. Formation Reactions
7. Decomposition Reactions
8. Worksheet: Formation and Decomposition Reactions

Physics 112

Thursday, March 16/17

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1. Uniformly Accelerated Motion - Kinematic Equation #3 - Continue
2. Uniformly Accelerated Motion - Kinematic Equation #4
3. FA: Velocity-Time Graph

4. Worksheet - Motion Problems

Physics 122

Thursday, March 16/17

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1. SA - U1 S1 - 3 Problems at Noon

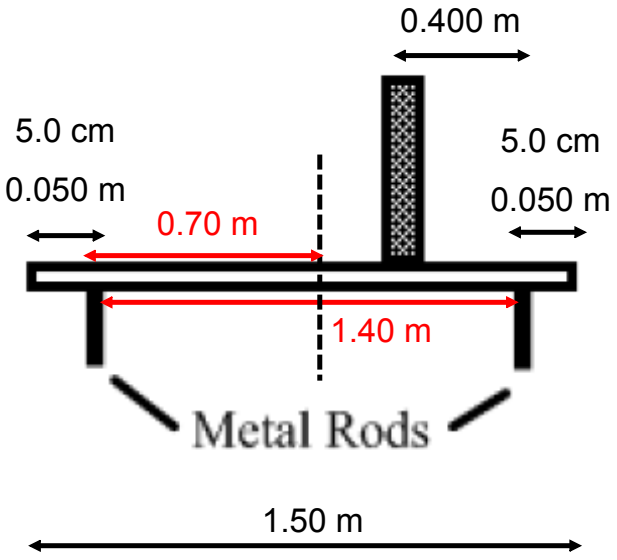
2. Worksheet - Static Torque #1
   Worksheet - Static Torque #2

3. FA - Static Torque #1

FA - Static Torque #2

Formative Assessment - Static Torque #1

A bookshelf made of a uniform wooden board1.5 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 on each rod must exert on the board to maintain static equilibrium.



Formative Assessment - Static Torque #2

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 the vertical component of the force acting onthe hinge.