Science 10

Friday, March 17/17

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

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1. Worksheet - Balancing Chemical Equations - HW

2. Types of Chemical Reactions
3. Formation Reactions
4. Decomposition Reactions
5. Worksheet: Formation and Decomposition Reactions

1. $2H_2 + 1O_2 \Rightarrow 2H_2O$

Reactants	Product
H = 4 ✓	H = 4 ✓
O = 2 ✓	O = 2 ✓

2. $N_2 + 3H_2 \rightarrow 2NH_3$

2 reactants | 1 product

N = 2	N = 2 ✓
H = 6	H = 6 ✓

3. $S_8 + 12O_2 \rightarrow 8SO_3$

S = 8	S = 8
O = 24	O = 24

Physics 112

Friday, March 17/17

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1. Return -> FA: Velocity-Time Graph
2. Worksheet - Motion Problems - HW

Physics 122

Friday, March 17/17

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1. Return -> SA - U1 S1 - 3 Problems

2. Return -> FA - Static Torque #1

3. FA - Static Torque #2

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

5. SA - Torque -> Wednesday, March 22/17

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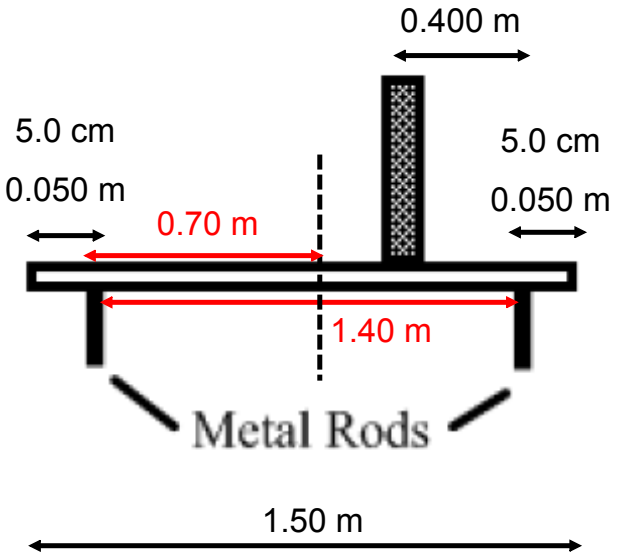
6. U1 - S3: Relative Velocity

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.