1. Formative Assessment

2. Assignment - Boat Simulation - Due: Thursday, Oct. 16

3. Check -> Page 110 - #21, 22, 25, 27(a) ⎱ HW - Again
   Page 117 - #23, 24, 29 ⎰

4. Worksheets

5. Quiz: U1 - S2 -> Friday? - Torque and Relative Velocity

Tuesday, Oct. 14/14
Formative Assessment - Static Torque

Level 2
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 on each rod must exert on the board to maintain static equilibrium.

Metal Rods
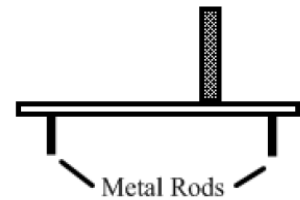
Level 1
A uniform rod of length 2 .0 m and mass 4.0 kg is hinged at the left end. A 25.0 kg sign is suspended from the right end. A guy wire is connected to the end of the rod and is fastened to the wall. Determine the magnitude of the vertical component of the force acting on the hinge.

wall
guy wire
F_H
$30°$
hinge
Sign