

## LAB: Clockmaking

groups of 2

design and build:

a pendulum with  $T = 1.0$  s

a mass&spring with  $T = 0.5$  s

grade =  $100 - 5\varepsilon$  ( $\varepsilon$  = percent error)

There's no lab report or anything else to turn in. When you're ready, I'll come by and time 20 oscillations. You have as many tries as you like; I'll record only the best time. The pendulum T is worth 1/3 of the lab, and the mass&spring is worth 2/3.

When I stop by, I'll look at your calculations to check that you've made reasonable estimates for the variables you have control of.

Jan 6-7:48 AM