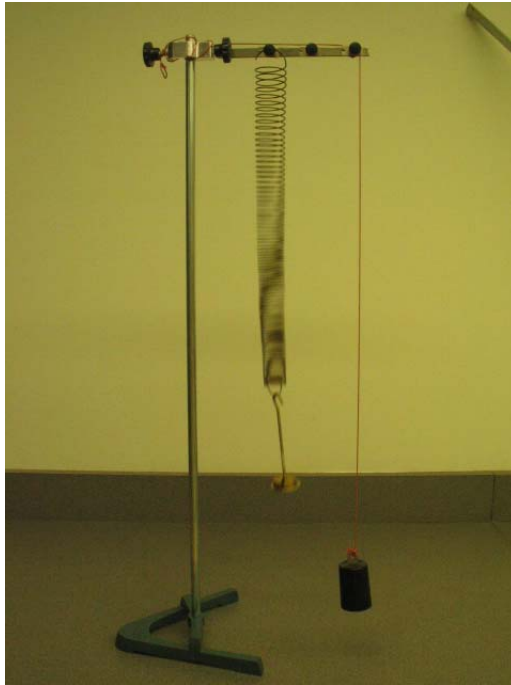


## Simple Harmonic Motion



**Purpose:** To demonstrate simple harmonic motion.

**Location:** room 138, on countertop near printer  
(Wall clock may be used to estimate period.)

The mass on the spring and the length of the pendulum string can be varied to change the natural oscillation periods. Point out that simple harmonic motion occurs only for sufficiently small displacements from equilibrium in both cases.