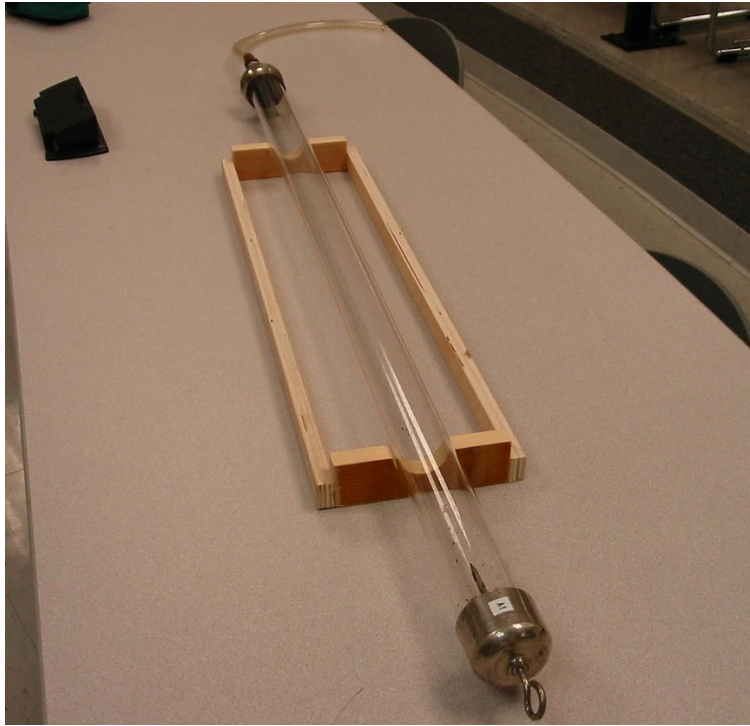


Acceleration Due to Gravity



Purpose: Shows that everything falls with the same acceleration.

You can demonstrate that a light piece of Styrofoam and a coin fall with the same acceleration – once air resistance is removed.

Note: Attach the hose to the small barb on the vacuum pump, open the valve, and pump for a few minutes. Close the valve and detach the hose. Now you can flip the tube from end to end. The students see and hear that the Styrofoam piece hits the end at the same time as the coin. Let the air back in and show the familiar behavior.

Extra Equipment: Pump Cart

Location: Shelf A1