

Name \_\_\_\_\_  
AP Physics  
Period \_\_\_\_\_

Date \_\_\_\_\_  
Lab Activity #3 (25 pts)  
Mrs. Nadworny

Partners:

Due Date \_\_\_\_\_

## Kilogrammy

**NO Lab Write-Up Required**  
*must be neatly written in pencil*

### Research Problem

This lab is a contest. The purpose is to determine the value of the unknown mass, in kilograms, at each station. The group with the lowest total percent error will win the coveted *Kilogrammy* award (which includes an automatic 100% and an exemption from the lab write-up.)

### Materials

- Provided Materials
- If there are any materials that you would like but are not there, ask for them and I will determine whether or not you may have them.

### Procedure

- 1) Each group will have a set amount of time at each station. Take appropriate data and draw a labeled diagram. Do any calculations that are necessary at this time. **Do not disturb the apparatus set-up when taking data! If you touch the apparatus you will be automatically disqualified.**
- 2) When time is called, switch stations.
- 3) When all groups have done each station, every group will submit their official entry form with the calculated value for the mass at each station. Values should be given to the nearest tenth of a gram, converted to kilograms.
- 4) The winning group (the group with the lowest total percent error) will receive an automatic 100% on the lab. All other groups will have to re-write the lab NEATLY onto looseleaf and hand it in.

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(Detach form here)

Name(s) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Station #1	Station #2	Station #3
_____	_____	_____