LAB 1

Fellow TAs -

Here is the reference sheet I promised for lab 1. I apologize that it isn't typed up and neat yet. My computer crashed and I have been busy remaking them and didn't have time to clean it up much. I will try having the next one ready sooner. Also sorry that this is late Jenny but I know you can hold you own without this.

Highly recommended things to discuss with your students before lab:
- tell them to thoroughly read the syllabus
- you must bring your lab sheets to class (it makes grading much easier) with the overview completed
- grading (explain the 4 parts, a=overview b= participation c=units and work d=conclusion)
- have them write the four parts of a conclusion in the area provided to make conclusions easier;
  What you learned, sources of error, discuss/conclude results, life application
- missing 4 points results in A- so don't forget your units
- mention the papers that will be due at lab 6 and lab 12

Warning for lab 1:
- don't wear jewelry while touching the spark machine (it can/will shock you)
- Have two different people touch the magnet release and the spark switch ( touching both can shock you)
- when touching the spark switch only touch the switch and no where else on the box.
- tape the spark tape along one side wire from top to bottom (demonstrate) (works best if you see which side the spark appears on when button is pressed)
- if first try is missing points it is easier to do the experiment again to get better data (you need at least 15 consecutive points)
- depending on how big you lab is keep groups as small as possible (if you have a group of 5 and a group of 3 move one person to have two groups of 4 etc)
- have fun

Once again I apologize that this was kind of rushed and I hope i didn't forget anything. Email me of text/call me if you have any questions.

Thanks and good luck with the first lab

Bryce Edmondson

P.S. the computer programs are located on the desktop in the physics 107 folder