

## AP Physics 2 & AP Physics C Summer Assignment

As you begin the journey into your second year of High School Physics you only really need to remember a few things. Try everything I ask you to do in a timely manner and ask questions if you don't get it. Always work really hard on understanding the concepts before you "throw" math at the problem.

Here you go.....

- #1 Find an AP Physics 2 or an AP Physics C equation sheet online and print it out. Look at each equation and circle (or highlight) the ones that you are familiar with. Show that the units on the right side are = to the units on the left. Do this on a separate sheet. Do not try and learn "new equations" I am interested in what you remember from your first year.
- #2 Send me an e-mail from the address you would like to use for the class next year. In the subject put AP2 or APC depending on what you signed up for. In the body put your name. I will send you the following links so you do not have to try and type them in.

rmaier@wmrbsd.org

- #3 Follow this link (below) and complete the lesson. Take a few notes and jot down some things that "bug you". Be able to demonstrate the three ways to charge something.

[http://www.physicslab.org/Document.aspx?doctype=3&filename=Electrostatics\\_ElectrostaticsFundamentals.xml](http://www.physicslab.org/Document.aspx?doctype=3&filename=Electrostatics_ElectrostaticsFundamentals.xml)

- #4 Follow this link (below) and complete the lesson. Try the problems, show your work. Jot down some things that "bug you" so you can ask some questions. You can check the answers by clicking on the arrow.

[http://www.physicslab.org/Document.aspx?doctype=3&filename=Electrostatics\\_AdvancedCoulombsLawProblems.xml](http://www.physicslab.org/Document.aspx?doctype=3&filename=Electrostatics_AdvancedCoulombsLawProblems.xml)

- #5 I will collect all of these on the first day of school. They should be turned in as three separate assignments.

Enjoy Your Summer and let me know if my instructions are not clear.