# **Course Description**

In AP Physics 1 and 2, we’ll study physics at a level typical of a first-year college course. The course does require mathematical fluency and some trig. is required.

The course content is divided roughly into Physics 1 in the fall, and Physics 2 in the spring. Labs, which comprise roughly 25% of the instructional time, will be as open-ended as possible.

In May, all of you will have an opportunity to take one or both 90-minute AP Examinations for the 1 and 2 courses. Successful completion of each exam with a score of 3 or above is worth one semester’s credit at many colleges and universities.

Class will meet during at least a portion of some lunch periods. Depending on what we are doing we may use ½ of a lunch period or use an entire one then skip an entire one.

# **Expectations**

Expect to participate in class. In order to keep from assigning a ridiculous amount of homework, you will be expected to work a lot of problems in class! These problems will serve as a guide when you do your homework.

Expect to average 30-45 minutes of homework each day**.** Homework assignments are posted on our class Weebly page and can be made to show up on your calendar. At the end of each chapter or two you will have a homework test. If you want to be eligible for the curve, you’ll need to turn in the homework before you take the test.

Your grade be composed of about 1/3 test scores, 1/3 lab activities, and 1/3 homework quizzes and class participation. Practice problems will help you prepare for the actual exam. If you don’t do well on the problems, you will know exactly what to study. I’ll be here every morning at roughly 7:20 AM if you need help.

# **Materials Needed**

* 1 Loose-leaf binder with pockets or spiral notebook with pockets for classwork and homework, notes and lab reports.
* 1 pocket folder for handouts- there will be many and they are large
* Lots of graph paper (quadrille is fine)
* Calculator
* Protractor
* Metric ruler
* ***A $20.00 lab donation is requested.***

# **Instructor**

Betsy Hondorf EdS.

LC 210

865-425-9600 ext. 2568

[ebhondorf@ortn.edu](mailto:ebhondorf@ortn.edu)

Links/Sites/Information you will often need for class:

Class Web Site:

[www.hondorfphysics.weebly.com](http://www.hondorfphysics.weebly.com)

Phet Lab simulations:

[www.phet.colorado.edu](http://www.phet.colorado.edu)

Click on “Play with Sims”

Make selections from the menu at the left

Click “Run Now!” when you have selected the correct sim

Turnitin:

Password- apphys12

Class ID- 810276991

Twitter:

Follow me @PhysicsCats