

AP Physics

Warm weather greetings;

As the summer winds down, our thoughts (or at least my thoughts) turn to the start of school. This is made easier by the many stores that already have their Halloween stuff out. Anyway, the AP exams are in May (typically) regardless of when IHS starts. So the sooner we begin, the better. With that philosophy, I am hereby assigning your first few homeworks. These will all be due and collected on the day of the first test. I trust you all have your book by now.

As in some of your other science classes, homeworks are based on completion, not accuracy. To get credit, you must write what is known (the given data), what is sought (the unknown variable) and an illustration of the situation (the traveling train, the right triangle, the floating balloon, etc.) Fortunately, this is a science class, not an art class, so don't spend too much time on that part. Each assignment must be on a separate page (this facilitates the collection & return process for both of us), have your full name, due date, period (including A or B), and the assignment number. You can get every answer wrong, or not even know how to do any of them, but you will still get full credit for the homework if you meet the aforementioned requirements. I encourage you to work with your friends both in & out of class during this course.

Asn. #1:

Read Chapter 1, section 5 (i.e. section 1.5) and 1.8

Do problems 1, 15, 17, 18, 21, 39, 40, 46

Asn #2:

Read section 2.1 (that's it - just read it)

Read sections 3.1-3.3

Do problems 1, 5, 10, 17

Many of the answers are in the back of the book.

I will cover these ideas on the first day of class. Your test will be on the 2nd day. I will collect these two homework assignments on the day of the test (note that this is an exception to the collection rule.)

Graphing calculators are not permitted on tests. You must buy a TI-30 or similar. With Back-to-School and Labor Day sales abounding, you can usually find one for about \$10.

Playing with these websites may prove useful too:

<http://www.glenbrook.k12.il.us/gbssci/phys/Class/vectors/u311a.html>

(click on "Vectors & Scalars" in the first paragraph.)

<http://physics.bu.edu/~duffy/java/VectorAdd.html>

<http://www.walter-fendt.de/ph11e/resultant.htm>

If you have questions, you can reach me here via email, but school's out, so I'll be checking my email only on a limited basis.

Scientifically yours,
Mr. Sacks