

AP Physics B, 2008-2009

Course Outline

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Name: _____

Period: _____

The Subject:

AP Physics B is equivalent to a one-year, non-Calculus, college freshman course. It covers all the elements of elementary physics including mechanics, waves, sound, light, heat, electricity, magnetism, and modern physics.

Required Materials:

- Text: Principles of Physics (2008). Kinetic Books.
- Calculator
- Notebook
- Pencil

Homework:

Homework problems will be given for each unit and will be turned in on the day of the unit exam (or quiz). A 20% penalty will be applied to homework that is one day late. Homework will not be accepted that is more than one day late.

Laboratory Exercises:

There will be fewer experiments in this course than in your previous science courses; however, the write-ups are generally expected to be more sophisticated. Each write-up will be word-processed with graphs generated from a graphing program. We will complete approximately one experiment per unit. A 10% penalty will be applied for each day a lab report is late.

Tests and Quizzes:

Tests will occur at the end of a unit. They will be comprised of both multiple choice and free response questions. Most units will include quizzes as well. You can anticipate a test or a quiz approximately once a week. In cases of absences, students are expected to see their teacher before school on the morning of their return to arrange a time to make up quizzes or tests. If a student misses the day of the quiz or exam only, they are expected to take the make-up on the day of their return.

Grading:

Your grade is based upon the total number of points received throughout the year. Generally, tests are worth 100 points; quizzes are worth up to 50 points; and labs are worth up to 100 points depending on the length. Homework checks will be worth up to 5 points.

Suggested Supplement:

In previous years, we have required students to purchase AP Advantage, Physics B (Mooney, Peoples Publishing Group). If you are looking for additional problems or explanations, you should probably start here. If you would like a hardcopy textbook to supplement Principles of Physics, we recommend Physics (Cutnell and Johnson). All of the teachers for this course have copies of these books available at their desks.

Moodle (hw.mrooms.org)

We will utilize Moodle extensively in this course. Extra problems, important handouts, and web simulations can all be found here. The enrollment key for this course is: _____