

## **Troy High School Course Profile**

**Course Title:** AP Physics 1

**Course Prerequisites:** Refer To Registration

**Course Description:**

AP Physics 1 is an introductory Physics course. Materials are presented through a variety of formats, including, but not exclusive to, lecture and laboratory exercises. Since this is an AP class, it will be taught with the expectation that the student will have the maturity and discipline to keep up with all assignments. Physics is a subject that requires attention each night to reinforce concepts and to keep up with the materials.

Students entering this course should already have a mastery of the following concepts and possess the following skills:

Students should be competent with the language of Mathematics, especially algebraic manipulations. Trigonometry is used in many of the units, and the tools will be taught as needed along the way.

**Workload Expectations for this course (list typical amount of homework, projects, presentations, papers, etc.):**

Homework is assigned every night, and the assignments are detailed on a daily schedule given out at the beginning of each unit. Homework is checked two to three times during each unit. If the student is disciplined and motivated to keep up with the homework each night, then the assignments may last anywhere from twenty-five minutes to forty-five minutes each night. Students that procrastinate and wait until the night before the assignments are due to start the homework sets are overwhelmed. There are between fifteen and twenty lab assignments each semester, with a write up for each lab activity.