

AP Physics 1

2018-1019



Welcome to AP Physics 1! It is a college-level Physics course that is fun, interesting, and challenging on a level you probably have not yet experienced in your high school career. The Advanced Placement (AP) exam will be held in early May, which necessitates a significant pace for the course.

AP Physics 1 requires an exceptional proficiency in algebra, trigonometry, geometry, and graphing. At first, Physics often seems like a course in applied mathematics. While math is heavily employed, it is the *concepts* that are significant to truly understanding Physics; it is a science course with math, not vice versa.

This summer assignment will review all prerequisite knowledge expected of you, and will allow us to start on actual Physics subject material immediately when school begins. This packet is mostly a math review that includes mathematical operations that are routine in AP Physics. It is designed to help you brush up on valuable skills, as well as provide a means to ensure AP Physics 1 is the right course for you. It is the quantity - not the difficulty - of the problems that has the potential to overwhelm; therefore, be sure to space out the completion of the assignment.

By taking the time to review and understand all portions of this assignment, you will help yourself acclimate to the rigor and pacing of AP Physics 1. Use the internet if you must, but these skills are ones that you should have mastered in previous science and/or math courses. It is very important that this assignment be completed individually; it will be a total waste of time to copy it from a friend.

The summer assignment will be due the first week of class, and you will be assessed on its contents within the first three class meetings of the new school year. **Read all directions and show work neatly on separate paper.** There will be an answer key to the packet posted on my school website (please see link at bottom of page) to help ensure you are employing correct methods. Remember, the final answer is relatively insignificant in the grand scheme of things; it is the process that is important.

If you need help with any portion of the assignment, you are welcome (and encouraged) to contact me during the course of the summer. When we get closer to the beginning of school, I will send out information via "Remind" providing times you may meet me at school and receive more personalized help prior to the assessment.

AP Physics 1 is an amazing opportunity to grow as a critical thinker, problem solver, and exceptional communicator. It will require hard work and significant commitment, but so does anything that is worthwhile. You would never expect to win a race if you didn't train. Similarly, you cannot expect to do well in an AP course (and AP exam) if you do not train academically.

AP Physics 1 is immensely rewarding, but you must take good notes, study, ask questions, and understand the homework. I guarantee that if you do what is asked of you that you will look back at this class with a huge sense of satisfaction! Together, we will work as a team to build the skills you need to be successful!

Have a great summer; I greatly look forward to working with you!

Mrs. Savage

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School Website: <http://www.dentonisd.org/Domain/6858>

"Remind" Sign-up link: <https://www.remind.com/join/savageap1>

You can also text "@savageap1" to the number **81010**