

AP Physics 1
Note to Students
2017 Summer Work

Congratulations on your decision to take AP Physics 1 next year. AP Physics is a wonderful course that will build on the foundation you received in HN Physics. Most of the topics will be a review of material you covered in your first year course. For those topics we will spend our time developing a much better conceptual understanding of the content in addition to doing more advanced lab work. Additionally, you will learn some new content on topics such as rotational kinematics and dynamics, springs and harmonic oscillators, and universal gravitation, and we will do a more indepth study of waves and sound. Here is a link to the College Board's webpage for AP Physics 1:

http://apcentral.collegeboard.com/apc/public/courses/teachers_corner/2262.html

Take some time to look around and to familiarize yourself with the content and the format of the test.

[2017 Summer Work](#)

Your summer work is comprised of a review of motion from the first two chapters of the Knight textbook we will be using. We spent a fair bit of time on these topic in the first semester of HN Physics but it has been a while, so you should take some time this summer to review this material. I want you to enjoy your time off (and I know you have summer work for your other AP classes) so I have tried to steam line this assignment. I do not expect this work to take more than a few hours per chapter.

I have included two sets of questions/problems (one each for ch1 and ch2) that you should print and complete. To assist you, I have included slide presentations of the material and solutions to the problems. You should view the presentation, answer the questions (in writing), and check your answers using the solutions. **On the first day of class I will check your question packets for completeness (they must be printed). The assignment is not going to be "graded" since I am providing you with the solutions. I expect that you will use the time to review the material to ensure that you are ready to go when you return in September. You will take a formative assessment on this material on the first day of class.** After that we will spend the first few weeks going over the content (ch1 and ch2) to address any concerns/questions, do some related lab work, and take a summative (graded) unit exam.

HAVE A GREAT SUMMER! I am looking forward to working with you again next year.

Sincerely,
Mr. Munn