

Welcome to AP Physics 2!

Make sure you're logged into your JBHA Google account to be able to access any of the documents linked.

We are starting out with Unit 10: Electric Force, Field, and Potential. This summer assignment will take you through the first third of this large and, arguably, most important unit, so make sure you clearly understand the concepts when we start school in the fall. For those not in my physics class last year, we use an online textbook from OpenStax, *College Physics for AP Courses*. You may use it as a resource throughout the year and/or if you want additional information while completing the summer assignment. [HERE](#) are the instructions to find the textbook.

Your summer assignment has two parts: Review problems and a guided notetaking workbook* with AP questions. You will have a quiz on this material on the first day of class.

Part 1: [Physics 1 Review](#). I recommend you print this document out. Newton's second law is used throughout the entire AP Physics 2 curriculum, so you need to be comfortable calling upon it at any point. You will need to know and understand vectors in 2 dimensions and be able to use trigonometry to help you solve.

Part 2a: Use [this](#) slideshow to help you fill out the notes on static electricity found [here](#). Throughout this notebook, you will: fill in the blanks, draw diagrams from the slideshow, and do practice problems. *You are responsible for knowing this information; you may choose to forgo completing this part. However, if you choose not to complete this step, I will not individually meet with you to go over any questions regarding this information, including any of Part 2b.

Part 2b: Complete the following AP multiple-choice questions to be submitted during the first week of school [AP MCQs Electric Charge](#).

[Here](#) is the AP Physics 2 formula sheet if you want to use it.

Feel free to email me with any questions or if you run into any problems at dwilson@jbha.org.