AP Physics C / UConn ECE Physics 1401/1402Q Summer Assignment

Welcome to AP Physics C! This summer, you will independently study to gain an understanding of Static Electricity. You will be tested on Static Electricity at the end of the first week of school. For the first six (6) weeks of the school year, you will learn Electricity and Magnetism (E&M) from an Algebra-Based perspective, much like AP Physics 1 (in fact, we will be covering roughly the AP Physics 2 E&M units). After the first six weeks, we will begin covering AP Physics C: Mechanics materials concurrently with UConn ECE Physics 1401Q. By this point, you will have a background in derivatives from AP Calculus.

I. Read:

Chapters 20-21 from "College Physics" by Knight, Jones, and Field (AP1 Textbook)

You will be quizzed on this material on the first Friday of the school year.

Supplemental Reading: AP2 Essentials - Electrostatics

II. Practice: This material is HS not AP level, but a lot is covered. See https://www.physicsclassroom.com/class/estatics for notes

- https://www.physicsclassroom.com/curriculum/estatics/Static-Electricity-Packet

DO NOT WAIT UNTIL THE LAST MINUTE. You will benefit much more from doing a little bit throughout the summer and letting the concepts have time to sink in.

Thank you and have a great summer!

Dr. S
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