

Welcome to the AP Physics 1 Summer Assignment

We have so much to do and learn in the coming school year that we just cannot wait to begin! Hopefully, your summer plans include plenty of rest and relaxation. Many of you may be vacationing with family, working a full or part time job, and/or visiting colleges. As you enjoy all of these experiences, take time to "see the science" in them. What do I mean? Well, all of your modes of transportation, Elitch roller coaster rides, swims in the ocean or pool, and sunset watching have something in common! PHYSICS! You need to get excited about it! Of course, you also need to get ready for the serious business of learning about your world, and how the "things" that populate it, and the rest of the universe behave. I look forward to meeting you all (and a lot of you again) in the fall! Please email me with questions and song requests for our 'Working Hard in the Lab' playlist! And thus, the summer assignment...



ASSIGNMENT #1: AP Physics Summer Assignment 2020 (4 hours)

DUE: Friday, August 21st

- [Print it, do it, turn it in.](#)
- Use google and youtube to review the topics

ASSIGNMENT #2: Forms for Day 1 (20 minutes)

DUE: Friday, August 21st

- Sign online form: [Lab Safety Contract](#)
- Sign online form: [Academic Integrity Statement](#)

ASSIGNMENT #3: purchase required materials

DUE: Friday, August 21st

- notebook for this course
- pens/pencils
- A three-ring binder WITH DIVIDERS to keep notes, handouts, homework, AP documents, formal lab write-ups, and tests. Label the dividers however you choose, just make sure you are organized. This will be your portfolio to use if and when a college needs evidence of your work for earning college credit.
- 5 Steps to a 5 AP Physics 1: Algebra-Based by Greg Jacobs (\$15 on Amazon)
- scientific calculator: the calculator must have trig functions. See me if you need suggestions. You will not be allowed to use your phone as a calculator (the AP exam does not permit it, so I will not either).

ASSIGNMENT #4 (optional but HIGHLY RECOMMENDED)

Khan Academy – MANDATORY If you have not completed Advanced Algebra (Integrated 3) you need to prepare yourself for the math of physics by doing some summer math work. Use this [LINK](#) and practice your algebra. Your future self will thank you!

****If you need financial support in purchasing any of these items please email your teacher as soon as possible!
(kate_berger@dpsk12.net OR victoria_filbrandt@dpsk12.net)**