

## AP Physics 1 Summer 2020 Assignment – OLP

Welcome to AP Physics 1! I am excited for our class this year, and I hope you are too. The purpose of this summer assignment is to prepare you to be successful in a college level course. You will be reviewing math skills, learning a bit more about AP Physics and have an opportunity to have some Physics Fun!

### **Part A: Introduce yourself** (10 pts)

Write me an email of introduction. ([Ms. Loughrin - rloughrin@aolp.org](mailto:Ms.Loughrin-rloughrin@aolp.org)) **Please be sure to send it by 11:59 PM Friday, August 14, 2020.** Write this email in a formal manner (use complete sentences, be professional, pretend you are writing to a college professor).

The subject of the email should be: "AP Physics 1: Introduction to <insert your name here>"

Address the following:

1. Introduce yourself: What are your hobbies? Do you have a job? Tell me about your family and living situation and include any information you would like me to know to help you be successful in class.
2. Explain your interest in AP Physics: Why are you taking the course? How will it help you in the future?
3. Discuss your future goals: Include information about your post-high school goals, including college and career pathways.

### **Part B: Learn about AP Physics** (Quiz 1<sup>st</sup> day - 10 pts)

**AP Physics** is an algebra-based, introductory college-level physics course. You will cultivate your understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as you explore concepts like systems, fields, force interactions, change, conservation, and waves.

The main purpose of the course is to prepare you for the AP Physics Exam in May, and it is **expected** that students enrolled in AP Physics will take the exam. If you earn an A or a B in the course, I would **recommend** that you take the AP exam in May.

Familiarize yourself with the College Board AP Physics 1 page (link is below.) You will have a **quiz on this info the 1<sup>st</sup> day** of class: [Link to AP Physics 1 Course Description - READ Just this page - no need to open any links.](#)

### **Part C: Practice your math skills** (50 pts)

**Print out** the following assignment (listed under **Part 2** in the AP Physics Summer Assignment) [AP Physics - Summer 2020 Assignment Math Review Pkt.](#) **Complete all the problems** in the packet. **This completed packet is due** on the **first day of class.** **No late summer assignments will be accepted** for students who were registered in May. Students who were added to the class after August 1, will have until the 2<sup>nd</sup> Friday of school to complete the Summer Assignment. If you have any questions, email me at <mailto:rloughrin@aolp.org>. I will check my email bi-weekly all summer.

### **Part D: Reflection on Successful Learning** (10 pts)

1. Sign up for 2021 AP Physics 1 Google Classroom. [2020-21 AP Physics 1 Classroom -Class code iigr6lt](#). The class code is **iigr6lt**.

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2. Reflect on what helps you be successful in class. Write a short (2-3 paragraph) reflection and submit it as HW3 – Reflection on Learning – Pt D - Summer Assignment to the 2020-21 AP Physics 1 Google Classroom, no later than **11:59 PM Saturday, August 15, 2020**.

Please include your reflection

- techniques, study aids and/or behaviors which help you study and do well, especially on assessments and projects.
- if you plan to use any AP study guides (Princeton Review, Barron's flash cards, etc) or have heard from others the importance of using them.
- what methods of teaching, or learning styles help you learn better and any additional supports you may need.