



Ocean City High School
AP PHYSICS C
Summer Assignment 2022

Course:	AP Physics C	Teacher:	Mr. Weaver
Email:	dweaver@ocsdnj.org	Due Date:	Pt.1: September 1 st Pt.2: September 6 th

Standards	NJCCCS: 5.1.12.A.2, 5.1.12.B.2, 5.1.12.D.2		
Topic	Mathematical and Conceptual Review		
Purpose	Pt.1 – Provide information to me about your physics background and your goals for this course.		
	Pt.2 – Provide feedback to the students and teacher about the student’s current understanding of previous material in physics		
Text/Novel(s) & Brief Description	This packet and internet resources (if needed) Mr. Weaver’s Summer Assignment Website:		
Approximate Time on Task	#1 : 20 minutes ; #2: 2-10 hr depending on need		
Suggested Timeline	Work on a few sections each week over the course of the summer		
How It Will Be Assessed	Pt1: timely completion		
	Pt2: It will not		

Dear AP Physicist,

Welcome to AP Physics C at OCHS! AP Physics C is a comprehensive physics course that covers the equivalent of 1 semester of college level calculus based physics. Therefore, this course requires that the student possess a level of maturity and sophistication found in the typical university undergraduate. We will use a college textbook, conduct college level labs, and our tests and exams will be analogous to those administered by undergraduate professors. This level of academic rigor is likely more than you have experienced in your past studies, but in the end you will not only be prepared to successfully complete the AP exam, but you will also be ready for the style of academic study found within most college science programs.

This summer assignment is broken into two parts. Part One is your opportunity to introduce yourself to me. Part Two is an online diagnostic review that provides me with feedback about where each of my students stands after completing a previous physics course. It also serves as a refresher so you start next year with the basics firmly in place. With that in mind, it is imperative that you complete the following assignments by their individual due dates:

Part 1: Meet Your Teacher

20 minutes

DUE: September 1, 2022 (First Day for Teachers)

Go to <https://forms.gle/QqpiFju2A1vqSipe7> Complete and submit the form by submitting your answers to the prompts. Keep in mind that this is a professional communication with your teacher so you should pay attention to spelling and grammar as you craft your responses. Even if I already know you, you still have to complete this part of the summer assignment. Please try to give honest and complete answers so I can get to know the students I will be working with over the next year.

Part 2: Review of basic physics

2-10 hours

DUE: September 6, 2022 (First Day for Students)

For Part 2, you will be completing a refresher of the material you learned in Honors Physics in order to ensure the basics are fresh in your mind. We will be using a course on the edX website entitled "On Ramp to AP Physics C: Mechanics." This course was designed by a long time AP Physics C teacher who has helped write the AP test in the past, and is designed as a refresher course for those hoping to take AP Physics C.

The following link should take you to the site: <https://tinyurl.com/OCHSAPCSUMMER>

Once there, click on the "Enroll Now" Button. It will force you to register for EdX. This is entirely free, and you can just use your Google account. It will then give you the option to either, "Pursue a Verified Certificate," or "Audit This Course." Select "Audit This Course." **DO NOT PAY \$25.**

By the first day of school, please work your way through the course. It will help you review the material that I assume you already know from your previous physics courses. If you feel you remember your freshman physics course, I recommend starting with the final exam and only revisiting the topics you struggle with. If you do not remember much, it may be beneficial to work through each unit. Do not feel compelled to answer every question on every check, but it is strongly recommended that you try a few from each section to increase your comfort with the basics.

You will not be graded for doing so. There is nothing to submit. If you skip this I will not know. However, much of this content you have not seen since freshman year, and it is probably not beneficial to start the hardest course in the school already behind everybody else. I will not hold up the rest of the class because you failed to review the basics. So please take your time on this, review the concepts, take the checks, and come to class confident in your basic physics knowledge. Or else.