



## Ocean City High School AP PHYSICS C Summer Assignment 2021

<b>Course:</b>	<b>AP Physics C</b>	<b>Teacher:</b>	Mr. Weaver
<b>Email:</b>	dweaver@ocsdnj.org	<b>Due Date:</b>	Pt.1: September 1 <sup>st</sup> Pt.2: September 7 <sup>th</sup>

<b>Standards</b>	NJCCCS: 5.1.12.A.2, 5.1.12.B.2, 5.1.12.D.2		
<b>Topic</b>	Mathematical and Conceptual Review		
<b>Purpose</b>	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		
<b>Text/Novel(s) &amp; Brief Description</b>	This packet and internet resources (if needed) Mr. Weaver’s Summer Assignment Website:		
<b>Approximate Time on Task</b>	#1 : 20 minutes ;      #2: 2-5 hr		
<b>Suggested Timeline</b>	Work on a few sections each week over the course of the summer		
<b>How It Will Be Assessed</b>	Pt1: timely completion		
	Pt2: Screenshot of completed final score		

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, 2021**

Go to <https://forms.gle/1yP5IU2Lb8MPhbsi7> 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: Diagnostic Conceptual Review**

**2-5 hours**

### **DUE: September 7, 2021**

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>

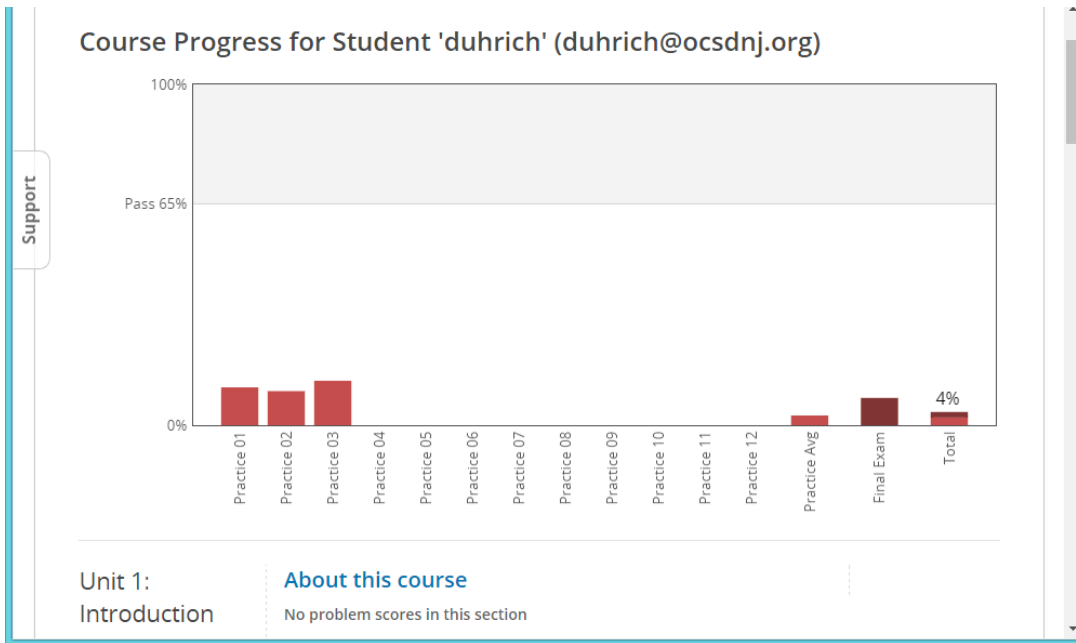
Once there, click on the "Enroll Now" Button. It will force you to register for EdX. This is entirely free, and you can just use your Google account. It will then give you the option to either, "Pursue a Verified Certificate," or "Audit This Course." Select "Audit This Course." **DO NOT PAY \$25.**

By the first day of school, you must complete the Final Exam. You DO NOT have to complete all of the previous sections. The Final Exam should consist almost entirely of material covered in your Honors Physics Course. For each question, you will get 3 chances to select the correct answer. There is no time limit, and you are free to leave and come back at your leisure. I strongly recommend that if you are not confident about an answer or already got it wrong that you go back and review the section that is giving you trouble. Each section in the course consists of a brief review with links to further resources and practice problems for you to work on. The practice problems also explain each answer and should prove incredibly useful.

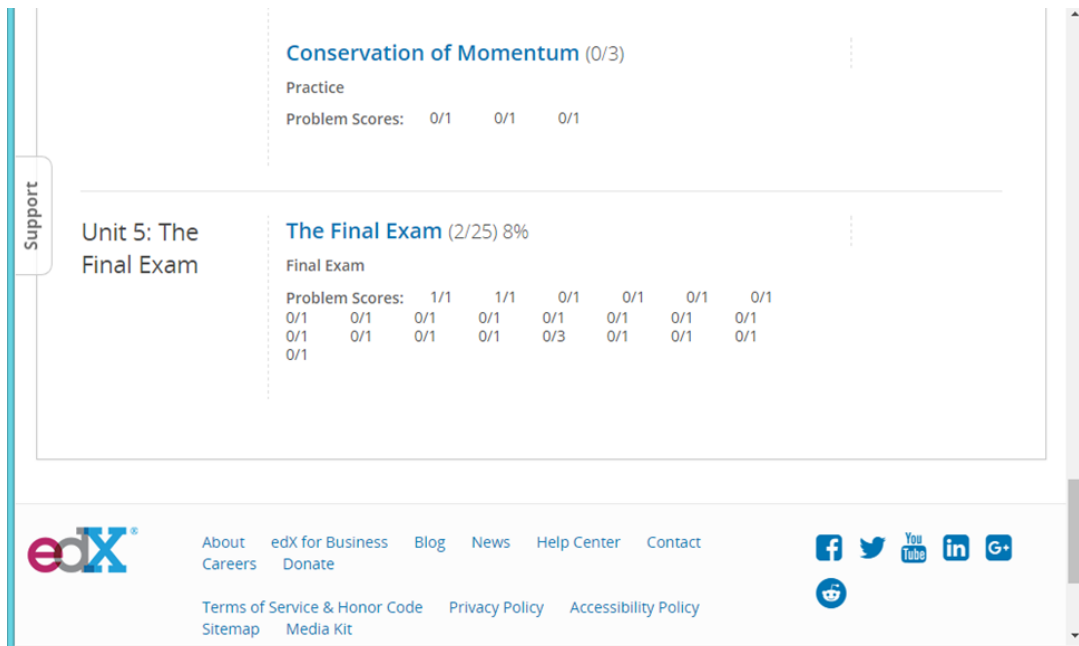
When you complete the Final Exam, I would like you to take two screen shots to prove that it is complete. On the Course Page, click on the "Progress" bar at the top.

The first screen shot should include your user name at the top with the progress bar chart showing that you have completed the final exam. I have provided a sample of what that should look like at right. Note: I do not care about your completion of the practice units, only the final exam. Please ensure that your username is in the shot so I know you are not simply using somebody else's account.

The second screenshot should include the breakdown of your Final Exam Score. Simply scroll down until this is visible and take a screen shot. This will give me a score for your summer assignment. I have provided a sample of what that should look like on the next page.



Mr. Uhrich did not take this summer assignment seriously



Clearly, Mr. Uhrich needs to try harder

If you are unfamiliar with how to take a screenshot, the following link should prove informative.  
<https://www.take-a-screenshot.org/>

Please print out both screen shots and bring them with you the first day of school. You MUST complete this by the first day of school as the course closes shortly after, so you will not be able to complete it late.

For this assignment you will receive a score proportional to your score on the Final Exam. Take your time and do your best work. If you slack on this you will be playing catch-up the rest of the year.