

Dear future AP Physics C students,

Your summer work is an online course through edX. This course is sponsored by Harvard University. You must receive a passing grade in the course for this summer assignment to count. If you complete this course before July 31, 2020. I will give you 10 bonus points on your day 1 test if your work is uploaded by the due date and you have a 60% mastery of the course. The work must be uploaded to google classroom for the extra credit.

About this course

This short course is intended for the high-school students who have taken an introductory-level physics course, acquired some background in Mechanics and intend to take a more advanced course – for instance, AP Physics C. The course helps the students refresh and strengthen their fluency with the mathematical tools and the fundamental topics in Mechanics: Kinematics, Newton's laws and Laws of Conservation. The last unit of the course contains a comprehensive Final Exam. The students who completed this mini-course will be well-prepared to tackle more advanced course material in the fall.

[Learn more about our High School and AP* Exam Preparation Courses](#)

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What you'll learn

- Algebra/trigonometry skills for an advanced Mechanics course
- Kinematics of motion with constant acceleration
- Newton's laws and their application in problem-solving
- Laws of conservation of energy and momentum and their application in problem-solving
- Basic information about AP® Physics C (Mechanics) course and Exam

This course is absolutely **free of charge**. You are welcome to pay for a certificate, but that is not necessary.

DUE on Google Classroom 8/17/2020 Class Code **nidru4m**

Please use the google classroom code:

nidru4m

Sign up for edx here:

<https://open.edx.org/user/register>

This is the link to the course:

<https://www.edx.org/course/on-ramp-to-ap-physics-c-mechanics-2>

I need to see screenshots and your grade in the course. Please attach those to the google classroom assignment. You will have a quiz on the first day of class on this material.

Have a lovely summer and come back ready to learn!