

AP Physics 1 Summer Assignment 19-20 School Year

Hello! And welcome to AP Physics 1!

To make sure you succeed in this class, here are some topics of which you should have an understanding before starting this course.

Why do we have a summer assignment? The amount of material we need to cover before the AP exam is extensive. Doing some of the work before the school year starts will give us the jump start we need to have adequate time to review and study in April.

In this class I recommend that you keep course materials organized with a three ring binder - we will have lots of handouts, so a notebook won't suffice. I recommend that you have tab dividers for each of the units we have in class (we will have 7 units - excluding unit 0)

I expect you to watch and take notes on the lessons below. I will give you a completion grade for the notes you take starting with Unit 01. For some of you, the unit 0 topics may be review. We will also have an assessment on all this material. Completing the practice work will help you succeed on this assessment.

FYI - I'm vacationing all of July; so I won't be checking my email. I'll try to check my email every so often in August in case you have any questions

Sincerely,
Ms. Gomez
agomez@rtnj.org

Unit 00 - The Basics

If you are unfamiliar with the following, want a quick refresher, or want to see what I find important about these topics, please watch and practice the following.

Topic	Video Lesson	Practice
Right Triangles	Watch this video for a quick review	these questions
Algebraic Functions + Graphing	Watch this video for a quick review	these questions and these questions

Unit 01 - Kinematics (unit will be continued in class)

Remember I'm grading your notes on these video lessons. The practice will help you prepare to be successful on the assessment in class.

Lesson	Topic	Video Lesson	Practice
00	How to learn from a video	Flipping Physics is a resourceful YouTube channel. He has a quick video on how you should approach learning from online videos.	N/A
01	Introduction	Watch and take notes on lesson 1.01 part 1 and 2	HW_1.01
02	Displacement and Velocity	Watch and take notes on lesson 1.02 part 1 , 2 , and 3	HW_1.02
03	Acceleration	Watch and take notes on lesson 1.03 part 1 and 2	HW_1.03
04	Kinematic Equations	Watch and take notes on lesson 1.04 and examples part one , two and three . (please enjoy my sleep deprived mini existential crisis during one of the examples)	HW_1.04