

## AP Physics 1/2 Summer Assignment 2021-2022

Welcome to AP Physics 1/2! Over the course of the year, we will be covering topics, such as kinematics, dynamics, energy, momentum, waves, simple harmonic motion, electricity, fluids, and so much more. In an effort to jumpstart our course, over the summer, you will read chapters 1, 2, and 3. You will receive a hard copy of the Wiley textbook when we meet in September. For now, you may access your textbook and summer problem sets via [www.wileyplus.com/go/login](http://www.wileyplus.com/go/login). Please follow the instructions on the flyer found on Google Classroom to create your WileyPLUS account. Once logged in, click on “Wiley Course Resources” and launch the WileyPLUS eTextbook to read the chapters.

With each chapter, you will take notes on your readings. The reading guides for chapters 1 and 2 can be found on our Google Classroom page. Please join our class using the code [tx2vb6m](#). You will be required to create your own reading guide for chapter 3. The reading guides for chapters 1 and 2 simulates how you should structure your notes moving forward.

After reading, you will complete a series of assignments associated with the given reading. You will visit the WileyPLUS website above and click on “Assignments” where you will be able to view all the assignments. Please note that the Adaptive Practice exercises are for your personal use, but are not officially assigned to you by me.

Please follow the sequence below to complete your summer assignment. Everything listed below is due the first day of our AP Physics class at the beginning of the period. You will submit the WileyPLUS assignments through the Wiley system. The reading guides will be uploaded to our Google Classroom under “Summer Assignment.” Each piece of the assignment is graded as a separate homework assignment and will be graded on accuracy.

- Read Chapter 1: Introduction and Mathematical Concepts and complete the Chapter 1 Reading Guide
- “Chapter 1 Problem Set” (Assignment on WileyPLUS)
- Read Chapter 2: Kinematics in One Dimension and complete the Chapter 2 Reading Guide
- “Chapter 2 Problem Set” (Assignment on WileyPLUS)
- Read Chapter 3: Kinematics in Two Dimensions and create a Chapter 3 Reading Guide
- “Chapter 3 Problem Set” (Assignment on WileyPLUS)

As a part of class, you should expect a mini quiz on the last day of every week unless we have a test that week. Thus, you should expect a mini quiz during your first week back. Mini quizzes are approximately three questions and focus on whether or not you understand what you read. For your mini quiz on the summer assignment, you can expect one question from each chapter that you read over the summer. You have a maximum of ten minutes for these quizzes and they count for approximately 5% of your grade. You will also be assessed via test on the material in chapters 1, 2, and 3 during the second week of school after we have had a few days to clarify any lingering questions you may have.

Please do not hesitate to reach out to me if you have any questions big or small. If you are feeling that you are not understanding some of the concepts, please use the following sites as resources:

- The Physics Classroom (<https://www.physicsclassroom.com/>)
- Khan Academy (<https://www.khanacademy.org/science/ap-physics-1>)
- WileyPLUS Adaptive Practice Chapters 1-3