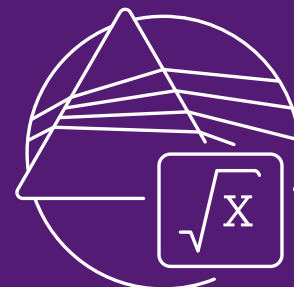


AP PHYSICS 2: ALGEBRA-BASED

AP[®] Daily: Live Review

AP Daily: Live Review is a series of livestreamed sessions on YouTube, hosted by AP teachers from across the country, that help students prepare for this year's AP Exams. Recordings of each session will be available on YouTube and on AP Classroom for students to watch on demand if they can't join live.

AP Teachers: Joe Mancino & Oather Strawderman



The [AP Physics 2: Algebra-Based Course and Exam Description](#) is the core document for an AP course. It clearly lays out course content and skills and describes the exam and AP Program in general.



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Session	Session Title	Session Description	Topics	Skills
1 MONDAY 4/19/2021	Everything You Need to Know About Fluid Statics & Dynamics	In this video, we will cover the concepts of Fluid Statics and Fluid Dynamics and review pressure, buoyancy, the continuity equation, and Bernoulli's Principle.	1.2 1.5 1.3 1.6 1.4 1.7	1.4 6.4 2.2 7.2
2 TUESDAY 4/20/2021	Understanding Key Concepts in Thermodynamics	In this video, we will review Thermodynamics and cover the Ideal Gas Law, Thermodynamic processes using PV diagrams, the Laws of Thermodynamics, and thermal conductivity.	2.2 2.7 2.5 2.10 2.6	1.4 5.1 2.2 6.4 4.1 7.2 4.2
3 WEDNESDAY 4/21/2021	Electric Force, Field, and Potential	In this video, we will review Electrostatics and cover the concepts of charge and charging as well as the quantities Electric Force, Field, and Potential.	3.2 3.8 3.3 3.9 3.4 3.11 3.6 3.12	1.4 5.1 2.2 6.4 4.1 7.2 4.2

Session	Session Title	Session Description	Topics	Skills
4 THURSDAY 4/22/2021	Everything You Need to Know About Electric Circuits	In this video, we will review the factors that affect resistance and how those factors explain the effects of combining resistors in a circuit.	4.2 4.4 4.3 4.5	1.4 5.3 2.2 6.4 5.1 7.2
5 MONDAY 4/26/2021	Understanding Magnetism and Electromagnetic Induction	In this video, we will review causes and types of magnetism, as well as magnetic force on a moving charged object and how it interacts with electric force. We will also review changing flux and induced current.	5.2 5.6 5.5	1.1 6.1 1.4 6.4 2.2
6 TUESDAY 4/27/2021	Geometric and Physical Optics	In this video, we will review why light refracts and how to find a material's refractive index. We will practice ray diagrams and linearization and look at the behavior of light waves diffracting.	6.1 6.5 6.2 6.6 6.4	1.1 5.1 1.4 5.2 2.2 5.3 4.1 6.4
7 WEDNESDAY 4/28/2021	Understanding Quantum, Atomic, and Nuclear Physics	In this video, we will review energy level transitions and practice calculating energy and review nuclear reactions, electron diffraction, deBroglie wavelength, and relativity.	7.1 7.4 7.2 7.5 7.3 7.6	1.1 6.3 2.2 6.4 6.1 7.2
8 THURSDAY 4/29/2021	Reviewing the Exam Format and Strategies	In this video, we will review the AP Physics 2 Exam format. We will cover the two AP Exam sections, the types of free-response questions, and strategies for success.	3.7 4.5 3.8 5.5 3.11 5.6 4.2 5.8 4.3 6.4 4.4 6.5	1.4 5.1 2.2 5.2 4.1 6.4 4.2 7.2



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