

AP Physics 1 Syllabus 2016-2017

AP Physics 1 is a college level course that uses advanced algebra and trigonometry as the primary tools for problem solving. The course covers topics in Kinematics, Newton's Laws of Motion, Work, Energy and Power, Momentum, Circular Motion and Rotation, Oscillations and Gravitation, with an introduction to Electrostatics and Circuits.

The text used in this course is Physics, by Douglas Giancoli, 6ed, Prentice Hall Publishing.

Homework

We will be using the WebAssign homework service this year. Some of you are familiar with WebAssign from use in calculus or chemistry classes. Students will need to set up an account at webassign.com. The cost for the year will be \$10.50 paid to WebAssign at the time the student sets up an account. You will need a "class key" to self-enroll into the correct class.

If you are in 4th period your class key is savannaharts.ga 2772 0791

If you are in 6th period your class key is savannaharts.ga 1411 2145

Grading

Tests and large projects will constitute 60% of the student's grade. The remaining 40% will be homework, small projects and lab work.

Students will be able to perform test corrections for credit providing that they complete all of the assigned homework for the unit. Corrections will be performed in the classroom, will be individual work and must be completed within 3 class meetings after the corrected tests are returned.

Supplies

Paper and PENCIL (not pen), Scientific Calculator Every Day, Protractor-very simple flat plastic, metric ruler, Graph Paper.

Semester 1

Unit 1 Kinematics in One and Two Dimensions	Test Date 8/26
Unit 2 Dynamics	Test Date 9/26
Unit 3 Circular Motion and Gravitation	Test Date 10/10
Unit 4 Energy and Conservation of Energy	Test Date 10/28
Unit 5 Impulse, Momentum and Conservation of Momentum	Test Date 11/17

Semester 2

Unit 6 Rotation, Angular Momentum and Equilibrium	Test Date 1/18
Unit 7 Simple Harmonic Motion, Waves, Sound	Test Date 2/17
Unit 8 Electrostatics and Electric Currents	Test Date 3/15
Review from 3/27 until the AP Exam on May 2nd	

Remind-secure messaging service

I will use Remind to contact classes when necessary. Please sign up for the service.

AP Physics 1 4th Period text @eb2hd9 to the number 81010 or, using a smart phone, open your web browser and go to rmd.at/eb2hd9 and follow the prompts.

AP Physics 1 6th Period text @78f79 to the number 81010 or, using a smart phone, open your web browser and go to rmd.at/78f79

Parent Contact Information-Use the QR code or navigate to the web page to enter data.



Or

<http://tinyurl.com/jb9sk71>