



International Baccalaureate
Baccalauréat International
Bachillerato Internacional

AP Physics 1
Mr. Hearn

Teacher Contact Info

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|---------------------------|--|
| Room: | 302 |
| Email: | hearn@richmond.k12.ga.us |
| Tutoring: | Flex Periods, MTW Mornings 7:30-8:10 (appointment only) |
| Remind Group: | Message - @hearnappy Text to # 81010 |
| Edmodo Class Code: | mke29s |

I. Course Description

- Physics is an exploration science which attempts to make sense of the world around us. During this course we will explore the theories and laws regarding motion, electromagnetism, nuclear energy, sound, light, and more! This course is a college level course and will be rigorous! Don't worry too much about the math, AP Physics 1 does not worry too much about the math, although we will visit the mathematical principles!

II. Instructional Philosophy

- I believe that education is a living thing. Education, like every other thing in this world, is constantly changing. Every scholar is different and can be taught. I believe that the power of relationships, fun, and positive outlook supported by a challenging environment can benefit the whole scholar. As an educator, I believe in teaching scholars to have a strong brain and a strong heart. This is my essence of teaching.

III. Course Overview

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| Unit |
|--------------------------------|
| Kinematics |
| Dynamics |
| Uniform Circular Motion |
| Energy |
| Momentum |

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| Simple Harmonic Motion |
| Torque and Rotational Motion |
| Electric Charge and Electric Force |
| DC Circuits |
| Mechanical Waves and Sound |
| Review for AP Test |
| AP Test on MAY 7th! |

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IV. Materials Needed

- Composition Notebook
 - i. These will be used as a lab notebook. It seems redundant, but you *may* need to present this to your University to receive AP credit upon *passing* the AP exam.
- Scientific Calculator
 - i. You will need some sort of calculator. A graphing one will be fine.

V. Homework

- Homework in this class will be optional, yet you will benefit greatly if you do it! You will benefit the most from this course if you engage in it. Some homework assignments may be beneficial for the following day's activities.

VI. Make-Up Labs

- Labs must be made up if missed! You are responsible for making up the labs during one of the available times for tutoring. Upon permission, you may be able to attend during lunch. THESE ARE NECESSARY, as AP expects you to be able to be scientifically literate for the class.

VII. Grading Policy

- Assessments: 75%
 - i. A minimum of 10 assignments will be recorded in this category per grading period. These include quizzes, tests, and other graded assignments. However, the different types of assessments come with different weights. Tests will consist of the heaviest portion, but students **may retake tests** until they master the learning objectives.
- Labs: 25%

VIII. Credit Recovery

- Credit Recovery options will be available for students who fail to acquire at least a 75 for the quarter. This post quarter assignment will allow students to bring their grade up to a passing grade of 75 once it is found to be suitable work. Credit recovery will not be offered to students who obtain a 75 or higher as a means to increase their grade. These assignments can be found on Edmodo.

IX. Technology

- This class will use a lot of technology in and out of the class. I understand that some students may not have open access to technology and some will be provided in the class for use. This

class will also require you to sign up for a number of platforms such as Remind and Edmodo. Students lacking personal technology will be accommodated accordingly.

X. EXAM and STUDY DATES

- **You WILL be required to take the AP exam upon completion of this course.**
- As an aid to help you do your best on the exam, there will be mandatory Study Sessions that will be guided by an instructor throughout the year. Yes, they are mandatory, even for me! There will be 4 sessions that will take place on Saturdays throughout the school year. They will last from 9am-1pm. The dates for ARC are:
 - i. December 14
 - ii. February 1
 - iii. March 7
 - iv. April 25
- **EXAM DATE IS MAY 7th!**

XI. Classroom Expectations

- In this classroom, you are expected to act as a MODEL student! Since this is a College-Level Environment, you are expected to come prepared to learn each day you are able. Although it will be a fairly relaxed environment, you are required to follow all of the classroom rules. *Respect* is a big part of this class!