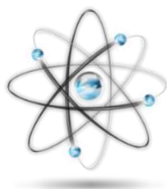


AP Physics 2
William P. Clements High School
Course Information: 2019-2020

Mr. Hart	geoffrey.hart@fortbendisd.com	Conference – 1:00-1:50 (6th)
Room 1111		Phone – (281) 634-3443

Course Description



The AP Physics 2 course is a course which is equivalent to a second-semester college course in algebra-based physics. The course covers Fluid Dynamics, Thermodynamics, Electrostatics, Circuits, Electromagnetism, Optics, and Modern Physics. It will also introduce Modern Circuits.

Course Goals

The goal of this course is to provide you a high quality physics education to prepare you for the ever changing scientific world. Whether you plan on going into Engineering or Music, having a strong understanding of the physical world provides you a whole new perspective on things. There is physics in everything that you do!!

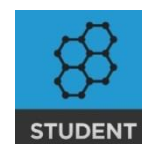
Course Outline

- Fluid Mechanics (10-12%)
- Thermodynamics (12-18%)
- Electrostatics (18-22%)
- Circuits (10-14%)
- Electromagnetism (10-12%)
- Optics (12-14%)
- Modern Physics (10-12%)



Required Items and Apps!

- College Physics electronic textbook
- A 1" Binder
- A Pencil with Eraser
- Socrative Student – Downloaded Cell Phone App
- Schoology App



Note: The content of this form is subject to change in accordance with the needs of the class and/or instructor.



Resources!



Classroom Website – The classroom calendar, study documents, and homework assignments can be found on the classroom website. Please refer to the website for documents and information!

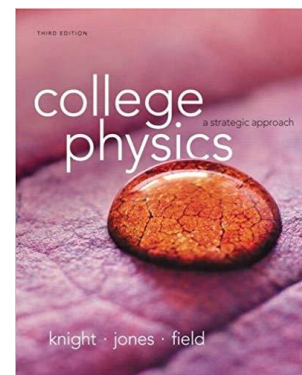


Mastering Physics – Most homework assignments will be provided through textbook questions online at MasteringPhysics.com. Registration for this program will be provided near the beginning of the year. Always check periodically in case you have forgotten about an assignment.



Schoolology – The classroom Schoolology is where you can access all assignments and important documents for this course. All test dates, lab due dates, and homework due dates can be found on the Schoolology calendar. Please check regularly!!

Text Book – While it is not expected to use the textbook during class, our notes and homework are based from this. If you would like to rent a textbook for yourself please visit Nancy Heiser in the book room.



Homework Assignments

Most homework assignments are given online through www.MasteringPhysics.com



Most Homework Assignments are done online. This software allows you to answer homework questions online at your convenience and at your own pace! If you have any problems with internet connections, you are welcome to stop by Mr. Hart's classroom before or after school to print out a physical copy of the assignment or submit your responses on the Lab Computers.



Late Assignments: For the 1st day an assignment is late, there will be a deduction of 25 points. For the 2nd day an assignment is late, there will be a deduction of 50 points. Assignments cannot be accepted after the 3rd day it is late.

Quizzes

Quizzes will not be by surprise. Notices for quiz dates will always be given at least 2 day in advanced. These quizzes are a daily grade and count just as much as a homework assignment!

Projects

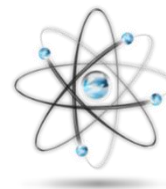
Each quarter of the year will consist of a project which requires you to apply what you have learned in class. These projects can either count as a Double Daily or a Single Major grade to the discretion of Mr. Hart.

Exams

There will be at least 3 comprehensive exams every 9 weeks. You will be given a week's notice for the next upcoming exam.

Grades/Weight

<u>Daily Grades</u> – Homework, Quizzes, Lab Write-ups	50%
<u>Major Grades</u> – Exams, some projects	50%



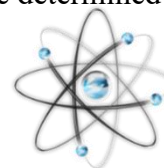
Retesting Policy: Each term period will compose of a Progressive exam than can replace one of your previous exams.

Please stay updated on the classroom website for exact dates on the calendar. The calendar will be updated every week.

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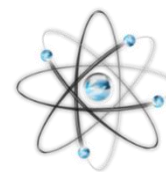
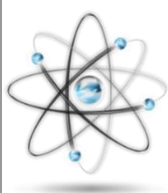
Academic Honesty

Please do your own work. Cheating on a test or plagiarizing someone else's work reflects on your credibility. The consequences are determined by the school's administration team.



Class and Lab Rules

- **Eat before/after class** – It can be disruptive and even dangerous to consume food and beverage in the laboratory environment.
- **Facebook Later** – Even Mr. Hart has the urge to check for the newest and cutest cat videos on our favorite social media. But if Mr. Hart can't do it, neither can you!
- **Be Punctual** – Falling behind is a student's worst nightmare and I understand that. Please attempt to be timely with your assignments and if you are in need of assistance, seek Mr. Hart for help some time.
- ***Respect the Wi-Fi** – It is Mr. Hart's goal to use the Wi-Fi in a fun but educational way. Sometimes even I have a hard time listening to myself and look to the sweet relief of Facebook and YouTube to pass the time. However, please remember to take course work and class time seriously.
- **The Power Station** – If you find yourself needing to charge your phone, please do so at the charging station at the front of the classroom. Do not use lab tables to charge phone during instruction.
- **Your Bladder is Larger than a Peanut!** – Unless you have a legitimate medical condition, bathroom breaks will be tallied. You will only be allowed to use the bathroom once per week. Mr. Hart has to hold his bladder for hours at a time, yet you don't see him complaining or leaving class every 10 minutes.
- **10/10 Rule** – I cannot allow students to leave the classroom during the first and last 10 minutes of class.
- **Seating** – There are no assigned seats, but Mr. Hart does reserve the right to move you if necessary. He will also, on occasion, completely rearrange all the seats in class. Please to not move the desks from where they are.
- **Enjoy Physics!** – Despite what some of you might think, school is not a prison. It is a tremendous opportunity to a start of a magnificent life! Please make the best of it.



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