RIDGE POINT

AP Physics II Syllabus 2016-2017

Mr. Edkins

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**Physics-** the science that deals with matter, energy, motion, and force

**Course Outline:** *main concepts studied with lab applications/experiences to support learning.*

**1st Semester-Classic Mechanics 2nd Semester- Waves & Electromagnetism**

Thermodynamics Electro-magnetism

Fluids Light (geometric and wave)

Electrostatics Intro to Quantum, Atomic and Nuclear Physics

Basic Circuits

*\*Subject to change depending on student understanding*

**website:** <http://www.fortbendisd.com/Domain/4131>

**Materials:**

|  |  |  |  |
| --- | --- | --- | --- |
| **REQUIRED ITEMS – Bring Every Day** | | ADDITIONAL ITEMS | |
| **3 Ring binder w/ dividers** |  |  | Dry erase marker |
| **Pencil & Pen(s)** |  | *Planner* | highlighter |
| **Multi-colored Pen(s)** |  | Scientific Calculator | Batteries |
|  |  |  |  |

*\*Additional Lab Fees will be required throughout the year.*

**INTERACTIVE STUDENT NOTEBOOK (ISN): Bring to class EVERYDAY!**

The ISN is a 3-ring binder that is a student thinking tool, an organizer for inquiry based science experiences, and a way to access and process learning. This is a tool used by the students to become more engaged and interactive with the science learning. They use graphic organizers and process learning using multiple avenues (writing, drawing, discussing). It increases organizational skills, critical thinking skills, and provides a record of data and a way of study.

**TUTORIALS**

**Teacher**  **Rm#** **Tutorial Times**

Mr. Edkins N239 Monday and Friday 3:00-3:30 am

-While I am a great resource for additional help, working with other students in your class will promote a much better understanding.

*\*May have alternative tutorial times-available by appointment*

**GRADING**

9 weeks grading: 50% Daily Grade (participation, activities, homework, quizzes, and labs)

50% Major Grades (Tests and Projects)

Any student receiving a grade lower than 75 on a test will be given an opportunity to re-test before or after school. In order to be eligible for a re-test a student must attend and sign-in to one of the re-test tutorial sessions prior to the re-test day. The highest grade a student can make on a re-test is a 75.

**HONOR CODE**

Follow all school policies in your Student Handbook.

Honesty - Do your own work. Plagiarizing, copying others homework, copying others tests or any other assignments are all forms of cheating. Cheating on a test or quiz will result in a 0 and a retake will not be allowed. The first time caught cheating will also result in a call home, and any additional offenses will result in referrals.

**ABSENCES**

YOU ARE RESPONSIBLE FOR ANY WORK MISSED! It is your responsibility to find out what work and/or notes that were missed and to make arrangements for make-up. Extra copies of worksheets and handouts will be available

*The number of days you are absent is the same number of days you have to make up your work.*

**LABORATORY**

Laboratory experiences are meant to illustrate concepts currently being discussed in class. You will be assigned to a lab group but while each lab group may have the same results, no group lab write-ups will be accepted. Individual lab write-ups are ***always*** due at the beginning of the period following the day we have a lab, unless stated otherwise. 10 points will be deducted if submitted late.

*Laboratory safety is extremely important*. Unsafe behavior will result in a "Zero" for the laboratory exercise, as well as a referral to your AP for discipline.

**HOMEWORK**

Homework assignments will be posted on UT Quest, as well as school wires. While lecture and labs will be your primary source of information, most of the mastery of the subject will come from your homework assignments. *If a student fails to complete their homework on a regular basis his/her ability to perform adequately on tests and quizzes will be severely compromised*

**ASSESSMENT**

The student will have a quiz or test at the end of every week. The quiz will cover everything that was covered that week. Nothing that is not on the homework will show up on the quiz. Therefore, if you master the homework the quizzes will be a formality.

**RULES AND POLICIES:**

1. Abide by all rules of the district and school.
2. Cell phones must be on the docking station. Their use is NOT allowed during class, unless teacher approved cell phones for instructional use only. Cell phones that disrupt class with a noise of their owners use will be taken up by the teacher without warning. This serves are your warning.
3. Headphones or ear plugs are NOT allowed in class.
4. Seating charts will be maintained in class. Sit in your assigned seats.
5. Late Assignments: 1 day late = 30 points deducted; 2 days late = 40 points deducted; 3 days late = 50 points deducted. *Late assignments will not be accepted after 3 days of due date.* No work will be accepted 3 days before the grading cycle closes. No work will be accepted after the 9 week grading cycle has closed.
6. Restroom. The 10/10 rule will be observed. Only one student at a time may leave class for the restroom. No restroom pass will be given while instruction is being given. Please try to take care of your restroom breaks during the passing period.
7. Students must remain seated in class until the bell sounds. Crowding the door before the bell sounds is not acceptable.
8. Disruptive behavior is not accepted. Parents/guardians will be contacted if this occurs.
9. ***Food, candy, gum and drinks will not be allowed in the room.***

**Note To Students And Parents**

It is my genuine pleasure to have the opportunity to teach this AP Physics II class. I look forward to an excellent year. In this classroom I will be focusing on preparing the student for the AP test and college. As stated in the syllabus, I will be assigning homework often. This homework will vary in difficulty from simple problems to those that will promote a higher level of thinking and problem solving. The purpose for the high level of rigor is so that if the student understands and completes his/her homework assignments, the quizzes and tests will be a mere formality. However, if the student does not complete the homework, the quizzes and tests will be very difficult for them.

If any parent wishes to speak with me I encourage you to email me at [Lowell.Edkins@fortbendisd.com](mailto:Lowell.Edkins@fortbendisd.com). If further discussion is needed/requested I will be happy to call you back or setup a meeting. I very much welcome every, and all input toward my class as long as it is constructive and respectfully offered. If you have an idea for a lab or project, or even possibly a more efficient way to teach a subject to your child I very much welcome your input. I do not pretend to know everything, and I am a big fan of knowledge, so if you have input please share.

I am very serious about my cheating policy stated above. Cheating has become a problem in secondary education. It seems that students have become increasingly creative in the way they attempt to cheat. If your child is caught cheating I will give a zero for that assignment, call the parent or guardian, give them a referral, and they will not be allowed to be exempt from this class for the final. If this unpleasantness were to occur with your child I would encourage you to know that in college if they are caught cheating on an assessment their punishment will be far more severe than that I am setting. To clarify a bit more about what I mean by cheating…

1. Using unauthorized material during an assessment (such as cheat sheet, cell phone, etc)
2. Talking during an assessment. (I have a zero talking policy during assessments. Do not make me assume the worst)
3. Looking at another students assessments.
4. **Allowing someone to look at your assessment (**If it becomes evident that a student is assisting in cheating they will punished as if they cheated themselves. A warning ***MIGHT*** be given on a first offense.)
5. Any other form of activity deemed cheating by the instructor that is not listed will be discussed with the student’s parent.

It is my desire to never have this unpleasant conversation with any parent, however, I will not look the other

way regarding these offenses. This cheating policy is in regard to my assessments. I HIGHLY encourage students working together for homework, projects, and studying. I encourage working with parents as well. If a parent, neighbor, sibling etc etc knows the subject matter, I would encourage assistance. However, if the student is not completing the assignments in a way that promotes their own understanding they will almost certainly fail future assessments regarding that content.

Further guidelines regarding the content being covered in this class can be found at

http://apcentral.collegeboard.com/apc/public/courses/teachers\_corner/225113.html

Please sign and return this copy of the letter. A copy of this document will be posted on the Edmodo website. It is also available upon request. I am very excited about this year and speaking to all of you in the future.

Print Student’s Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Print Guardian’s Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Guardian’s Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Best Regards,

Lowell W Edkins

RPHS AP Physics Teacher

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