***Academic Physics***

***Classroom Expectations***

***Mr. Flanagan***

***Course Description:***

This course is designed to be an introduction to physics with an emphasis on problem solving. The course will cover: vectors, motion in one and two dimensions, forces, momentum, rotational motion, energy, optics, oscillatory motion and electricity and magnetism. Physics is a unique mix of scientific concepts and mathematical application and this will pose different struggles for the student. It is important that the student get a grasp on the first concept because it will be applied to the second and third concept. Most of the material in the first semester is connected therefore it is imperative that the student complete assigned homework and seek help when needed.

***Class rules:***

1. Students should come to class prepared and on time. They should have all necessary material at all times which includes their textbook, physics notebook, calculator, pencil and any assigned work. Failure to do so may result in the loss of class points.
2. All submitted work such as homework, quizzes, test, labs, projects and other graded assignments must be written in pencil or typed on the computer.
3. The use of cell phones, Ipods, or any other electronic device in the class is not permitted.
   1. Upon entering the classroom the students will power off their electronic device and place it in the box provided.
   2. At the end of the period, students will be given time to pick up their device before leaving for their next class.
   3. If the electronic device is seen during class it will be taken and returned at the end of the day. Refusal to abide by this request will result in a teacher detention.
   4. Any further offenses with the electronic device will result in further disciplinary action.
4. Students must arrive on time to class. Students moving from the west wing will be granted a one minute grace period in order to make the designated time.
5. No food or drinks will be allowed in the classroom.
6. Treat others as you wish to be treated.
7. Signing out for the bathroom and water fountain will be limited to the first five minutes of the class.
8. Cheating will not be tolerated, and will result in a zero for the assignment. A second offense will result in failure for the marking period.
9. You will be expected to participate in class. This is not a request, it is a requirement!
10. While in class you will NOT be permitted to wear hats or hoods. If you are sleepy, sick or otherwise in a bad mood, go to the nurse’s office.

***Text***

Holt Physics by Raymond Serway and Jerry Faughn

***Necessary Materials:***

Below is a list of material that must be brought to class every day, regardless of the class objectives for that particular day.

* Text (Unless otherwise instructed)
* Notebook
* Scientific calculator
* Pencil
* Assigned work
* Lab Notebook

***Physics Notebook***

Students will be required to keep a notebook for completed assignments and notes. Notes and homework should be kept continuously so that that you can reference notes with homework. Any warmups should be done in the back of your notebook working forward. Typically a three ring binder with lined paper is sufficient.

***Homework***

Students can expect 4-6 hours of homework per week. Homework will be posted on the whiteboard during every class. Homework is due at the beginning of class, no homework will be accepted after it is checked. If a student is absent the day an assignment is checked it is their responsibility to show the homework to me for full credit.

***Labs***

Students are required to read and complete any pre-lab work before beginning the lab activity. Lab quizzes may be given at the teacher’s discretion. Students must abide by lab safety rules at all times and are responsible for the care and maintenance of the lab equipment and computers. If students are absent when a lab is performed the student must schedule a time to make up the lab within a 6 day cycle. Failure to follow all rules during a lab will result in a zero for the lab activity. Labs are designed for you to play an active role, sitting and watching will not be permitted.

***Projects***

There will be a few projects assigned throughout the year for students to complete based on the topics of discussion in the class. More information on the projects will be handed out prior to the project. Some projects require the student to spend a few dollars on supplies and materials to complete the project.

***Quizzes and Tests***

Test and Quizzes will be summative assessments given to provide the student an opportunity to show what they know. Tests will always be announced, quizzes may not be. If you are absent on the day of a test or quiz only then you will be required to take the quiz or test on the day you return, no exceptions. For extended absences a make-up time will be scheduled, however no longer than one full cycle may pass before making up the assessment.

***Grading***

Grading is done on a total point basis. Homework is typically 3-8 points, labs are always 20 points, quiz can range from 35-60 points and tests and projects are 100 points.

By signing below I am acknowledging that I have read and understand what is expected of me in this class. Please sign and return to Mr. Flanagan

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Student Name (Signature) Date

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Parent Name (Print) Date

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Parent Name (Signature) Date