**Physics Honors**

**Allen D Nease High School**

**Instructor: Brandy Kilpatrick**

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**Introduction:** Welcome to Physics! This course is designed to help students develop a scientific approach to solving real world problems. We will utilize inquiry investigations to generate scientific evidence to support physics concepts. The students will develop critical thinking skills through inquiry based activities and labs. In science it is necessary to be able to communicate scientific findings to others and be open minded. The student will also develop skills to communicate with others without bias and honesty and approach all problems and concepts with an open mind.

Each unit contains a project, which will be completed in groups using an engineering design cycle. The following topics will be covered in this course:

* Motion
* Forces and Momentum
* Energy
* Waves, Sound and Optics
* Electricity and Magnetism

**Materials**:

-**Mechanical** Pencils

-Paper

-3-Ring Binder

-**Scientific** calculator (**or** graphing calculator)

Bringing materials to class EVERYDAY is vital to the success in this course.

**Rules and Policies:**

* Be on Time.
* Wear your ID.
* Silence cell phones.
* Dress in accordance with school and district policy.
* Be responsible and come to class prepared.
* Cooperate and be respectful to others.
* Finish all food and drink before coming to class.

**Class Website**

There is a class website in which the video lectures, assignments, homework, classroom policies, and projects on it. If you are absent you should check the website to obtain the notes as well as assignments you might have missed. It is **your responsibility** to check the website for updates and missed materials. There is a link to the website from the school’s website. Please go to kilpatrickscience.com to access notes, videos, and assignments.

**Remind:**

I expect everyone to be on remind so that we can communicate. Please text 81010 and use this as the message @642ha2

**Attendance**: Attendance is **essential** for success in this course. It will be YOUR responsibility to attain and complete make up work. There will be a calendar for you to see what you have missed on the website.

**Make-up Work (Including Tests and Quizzes)**

It is your responsibility to obtain any missed work. You can obtain work and notes from the website. You will have as many days as you were absent to turn in your make-up work. If I do not have it by the allowed time it will be a zero. Make sure to put the date you missed on the assignment. If you miss a quiz the summative will take the place of the grade for the quiz. There will be weekly quizzes, the lowest quiz grade will be dropped. Labs will be made up by completing a lab makeup assignment on the subject the lab was on. (Except when writing a formal lab report)

**Grades**: Grades will be based on homework, assignments, quizzes and exams, projects and labs, and your participation.

|  |  |
| --- | --- |
| Formatives  Lowest Quiz grade will be dropped | 30% |
| Summatives | 70% |

**Labs**

When working in the lab area I expect you to conduct yourself accordingly and to follow all safety procedures and instructions. If you do not do so your actions will result in an automatic zero for the lab. If a lab report is required for the lab the lab report must follow the guidelines I will provide for you. Most work will be done in pairs; however, **each student is expected to keep a current record of all data**.  **Absence of a partner is not an acceptable excuse for missing information necessary to submit a lab on time.**

**Quarter Exam**

At the end of every quarter you will be given a quarter exam. The quarter exam is a comprehensive test on the material that you have learned over the quarter. If the grade on the quarter exam shows improvement and mastery of the material, this grade can be used to remediate your summative scores on previous exams up to an 90%.

**Tutoring and Extra Help**

If you are in need of extra help I am available before school or during excel. Please make sure to let me know ahead of time if you are coming and be prompt when arriving. If there are any questions or concerns please do not hesitate to ask or email me. I will answer your email within 24 hours. **Do not let yourself get behind. I am available for help!**

**Integrity Policy:**

All students will be held to a high standard of honesty and integrity. All work that is submitted by the student is to be their own work. Any work that is plagiarized or does not belong to that student will be reported.