

Physics 2010-2011

Mr. Vondrak

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Room: SB-1

Office Hours: 7:05-7:45am M-F afternoons by appointment only

Required Materials:

3-ring Binder with dividers

Loose leaf paper

Scientific Calculator

Writing utensil

Holt Physics 2009

Course Description:

Physics is the study of how our universe works. Physics covers a wide range of topics, from the movements of electrons to movements of galaxies. Below are the topics that we will cover over the year.

Semester 1

Chapter 1 – The science of Physics
Chapter 2 – Motion in One Dimensional
Chapter 3 – Two Dimensional Motion and Vectors
Chapter 4 – Forces and the Laws of Motion
Chapter 5 – Work & Energy
Chapter 6 – Momentum and Collisions

Semester 2

Chapter 7 – Circular Motion and Gravitation
Chapter 11 – Vibrations and Waves
Chapter 12 – Sound
Chapter 13 – Light and Reflection
Chapter 14 - Refraction
Chapter 16 – Electric Forces and Fields

California State Standards:

- Motion and Forces
- Conservation of Energy and Momentum
- Heat and Thermodynamics
- Waves

Grading:

Homework:

Reading sections in the text book, taking notes, completing problems, reading quizzes, these are examples of homework. Not all assignments given will be checked. Usually homework will be out of 5 points. This will makeup about 10% of the final grade

Labs/Projects:

Labs are usually worth 20 points. There will usually be at least one lab per chapter. You will be graded on your behavior and productivity during the lab, as well as the lab write-up afterwards. Most labs require that you work with a partner, however, lab write ups will usually be turned in individually. We also do projects throughout the year that require group work and write-ups. Labs and projects will make up about 20% of your final grade.

Tests:

There will be one test each chapter. It will be worth on average 50 points. Material from previous tests will be on each test. Tests will be about 50% of your final grade.

Final Exam:

A final exam will be given at the end of each semester, it will cover all material learned during that semester. The exam is worth 20% of your final grade.

Scale:

A	100-90
B	89-80
C	79-70
D	69-60
F	<59

Expectations/policies:

Attendance:

When you are absent you lose that day of instruction. Missing too many days of class will make it much harder to fully understand the material.

When you are absent, you are responsible for finding out what you missed and making up the assignment.

Assignments are posted online daily as well as the handouts from class. Being absent is not an excuse for not having your homework done. If you are absent during a lab, you have 1 week to make the lab up. It is your responsibility to make up homework, labs, quizzes, and tests.

Homework is late if it is:

- not complete when I check it.
- in your locker.
- at home
- in a different notebook that you don't have right now.

Late work is accepted, but only during that chapter.

Participation:

"It is impossible to learn very much by simply sitting in a lecture, or even by simply doing problems that are assigned. Students must discuss ideas, think about things, and talk about the things."

Tardiness:

If you are not in your seat when the bell rings you are tardy.

Bathroom/Locker:

Use the bathroom and go to your locker in between classes. I understand the need will arise during class, simply ask at an appropriate time to be excused. If I feel that you are abusing the bathroom privilege or it is an inappropriate time, I will not excuse you.

Food/Drink:

There is no food allowed in class. Drinks are limited to closable containers of water. Food attracts ants, and I do not want ants in my room.

Extra Credit:

There is no extra credit. Do not ask.

Deficiency reports:

A deficiency report will be sent home after each chapter that your grade is below a C-

Physics is a rewarding but difficult science. You will be challenged. But with hard work and determination you will overcome that monumental hurdle that is high school physics. Once you begin to piece together how the world works, you'll never look at the world in the same way again.