

Physics 2010-2011

Mr. Vondrak

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Room: SB-1

Office Hours: 7:15-7:45am M-F 3-3:45pm M,T,Tr,F (Staff meetings on Wednesdays)

Required Materials:

3-ring Binder with dividers

Loose leaf paper

Scientific Calculator

Writing utensil

6th Edition Physics Text

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 – Measurements & Estimating
Chapter 2 – One Dimensional Motion
Chapter 3 – Two Dimensional Motion
Chapter 4 – Newtown's Laws of Motion
Chapter 6 – Work & Energy

Semester 2

Chapter 7 – Linear Momentum
Chapter 5/8 – Circular/Rotational Motion
Chapter 9 – Static Equilibrium(overview)
Chapter 11 – Waves and Vibration (newbook)
Chapter 12 – Sound (newbook)
Chapter 23 – Geometric Optics

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. If you are absent during a lab, you should see me about making it up as soon as possible. Make up missing assignments as well as missed labs must be made up **before** the test for that chapter.

Homework is late if it is:

- not complete when I check it.
- in your locker.
- at home
- in a different notebook.

Participation:

Each day you should come to class with the required materials. The more active you are in the learning process (I.E. asking/answering questions, taking notes, not chatting with others), the better you will learn and consequently the better your grade will be.

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-

Extra:

- Physics is a difficult subject; it will require hard work and concentration. Hopefully it will change the way you view the world and the things that happen in it.
- To be successful in class you should read the assigned chapters, try the practice problems, do the assigned work, and participate in class. Just knowing the correct numerical answer or memorizing the formulas will not do. You must really understand and be able to explain topics discussed in class.
- Cheating and dishonesty will not be tolerated.
- The instructor reserves the right to make changes and/or addendums to this syllabus during the school year.

I have read over this syllabus and understand what is expected of me and of my teacher.

Student signature _____ *Date* _____

Parent signature _____