

Cold Spring Harbor H. S.
Class: Regents Physics
Teacher: Mrs. Koundi (Room# J19)
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Course Outline: Physics is an experimental science. It relies on idealized models of complex physical situations. Physical theories and models evolve to include new ideas and observations. Physics has several different branches. In this course students will study Mechanics, Electricity, Magnetism, Wave phenomena, and Nuclear Physics.

The language of Physics is mathematics. There will be a lot of mathematical problem solving. This class uses a lot of algebra, a little trigonometry and geometry.

Some professions that use Physics on a regular basis are: Architects, physical therapists, X-ray technicians, all engineers, doctors treating cancer, laser surgeons.

Our everyday life is filled with inventions or structures made possible by the discoveries of physicists, such as: TV, radio, eye glasses, computers, lasers, electric motors, air conditions, efficient gas engines, stereos, large bridges, sky scrapers, nuclear energy, refrigerators, remote controls, electricity, laser surgery, electric guitars, X-rays, food purification, microwaves, heat lamps, copy machines, bar code scanners, jet planes, CDROMS.

Classroom Materials: All students are responsible to bring the following items for each class, NO EXCEPTIONS:

Text book/Review book
Graphing or Scientific Calculator
Homework/Classwork/loose-leaf binder
(handouts should be kept in the binder or in a folder)
A small centimeter ruler and a protractor
Two pens (blue or black ink)/ and pencils
Physics Reference Tables

Students coming to class without any of the above items will NOT be permitted to return to their lockers.

Grading Policy: Each semester grade will be determined by the following three parts:

Exams: 100 points

Quizzes: 20 points

Lab work, lab reports: 20 points

Homework: 5-10 points

Class work: 5-10 points

Class participation: 0-10 points

Your quarter grade will be calculated by dividing the total points earned by the total possible points and multiplying by 100. Save all your work to be able to estimate your grade.

Homework: Homework will be checked daily. ALL homework must be done on loose-leaf paper and kept in a binder or folder. This binder or folder MUST be brought to class each day.

LATE HOMEWORK WILL NOT BE ACCEPTED!

All answers must be written out in complete sentences and all calculations/work must be shown for applicable problems in order to receive full credit.

Students who are absent from class are responsible to make up all missed homework assignments by the day after they return to school.

Exams: Exams will consist of multiple choice and a few problems, drawings or short answer questions. Exams will be announced at least 3 days ahead of time. **Any exam missed due to an absence must be made up on a designated day at the end of the quarter. The make-up test will contain the material that was covered on the exam that you missed. Missed tests due to an illegal absence (cutting class) will result in a zero.**

Quizzes: Quizzes can be announced or unannounced. Students are expected to study and be prepared everyday.

Lab Reports: Lab reports should be written out typed and be completed independently. A lab report will be expected for each experiment. **If students are absent during a lab they must see me immediately to schedule a make up lab.** Points are taken off for late labs. All labs are due by June 7 in order for students to take the regents exam in June. Students may receive an (I) for progress reports and quarter grades if labs are incomplete or missing.

Skip Lab Days: Day

A minimum of 30 laboratory hours (1200 minutes) must be completed in order for a student to take the Physics Regents Exams. If a student does not have 30 hours of lab work they cannot take the Regents. The Regents exam counts as a fifth quarter grade.

Extra Help: Do not hesitate to ask questions. Students should let me know as soon as possible when they are having difficulty with the class topic and need additional help. **I am available every morning from 7:15-7:45 and after school by appointment.**

Expectations/Behavior: Students should come to class on time, fully prepared carrying all their supplies and having their textbook/review book available all the time.

Students late to class without a pass will be losing 2 points at the time.

Cutting class illegally will result in a 10 point deduction.

Students need to be attentive to lesson and cooperative with the teacher and fellow students.

Please raise your hand if you have a question or have something to share with the class.

No outside distractions are permitted.

Cell phones that ring, are used to text, or call a friend will be confiscated and either returned at the end of the day or given to Dr. Brown depending on the frequency the student gets caught.

If a student refuses to hand in the cell phone, it will result in a 10 point deduction.

Students also need to be involved in class discussions, answer and ask questions as well as sharing outside experiences.

And last but not least students should be respectful to teacher and fellow students.