

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:

- i. Text book/Review book
- ii. Graphing or Scientific Calculator
- iii. Homework/Classwork loose-leaf binder
- iv. Two folders (one for handouts and one for labs)
- v. A small centimeter ruler and a protractor
- vi. Two pens (blue or black ink)/ and pencils
- vii. 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 and Quizzes: 65%

Lab work, lab reports: 20%

Homework, class work, class participation: 15%

Homework: Homework will count for 15% of each marking period grade. 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.

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. Any exam missed due to an absence must be made up on the day the student returns to school.

Any student caught cheating or conspiring to cheat on an exam will receive a zero on that test.

Exams will be announced at least 3 days ahead of time.

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

Lab Reports: Lab reports should be typed (most of the time) and will 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 4 and 5

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.

Expectations/Behavior: In order for the students to pass the Physics regents, certain rules should be followed.

Students should come to class on time, fully prepared carrying all their supplies and having their textbook/review book open to the appropriate page.

They need to be attentive to lesson, teacher and to contribution of fellow students. No outside distractions are permitted.

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.

