

ROSLYN HIGH SCHOOL**DEPARTMENT: SCIENCE****NAME OF COURSE: GENERAL PHYSICS****GENERAL DESCRIPTION OF COURSE**

This course is for students who elect not to pursue Regents Chemistry or General Chemistry in their junior or senior year. Students will spend a full year exploring the principles of physics and their real world applications. Students will spend a significant time performing laboratory work to support concepts developed in class. Grading emphasis will be placed on activities that are hands-on and interactive. Class participation is a large component and is expected daily. Basic skills from algebra and some geometry are needed to be successful in this course.

MAJOR TOPICS COVERED

- ❖ Measurements and graphing
- ❖ Motion
- ❖ Energy
- ❖ Forces
- ❖ Light and lenses
- ❖ Momentum
- ❖ Physics of basic appliances

REQUIREMENTS

Students are required to complete laboratory and homework assignments. Classroom participation is also expected. There will be topic quizzes and exams during the semester. Additionally, there will be a final exam as well as a practical.

GRADING PROCEDURES

The quarterly grade is based on major tests and quizzes, quality of the laboratory reports, laboratory technique, class participation, and written homework assignments. The final grade will be based upon the student's 4 quarter grades.