

ROSLYN HIGH SCHOOL

DEPARTMENT: SCIENCE

NAME OF COURSE: REGENTS PHYSICS

GENERAL DESCRIPTION OF COURSE

The curriculum for Regents Physics is built upon the New York State Regents curriculum. Our general approach is to integrate active student participation into the curriculum as much as possible. The corollary is to try to minimize passive activities, i.e. lectures. As a result our curriculum is problem-solving oriented. It also includes hands-on lab activities.

MAJOR TOPICS COVERED

- ❖ Mechanics
- ❖ Modern Physics
- ❖ Energy
- ❖ Motion in a Plane
- ❖ Electricity and Magnetism
- ❖ Wave Mechanics

TEXTBOOK None

REQUIREMENTS

A three-hole loose-leaf notebook must be maintained. In preparation for the Regents exam laboratory reports must be submitted as evidence of performing at least 1200 minutes of laboratory work. Each student is required to complete a minimum of two-thirds of the laboratory reports in a satisfactory manner in order to pass each quarter. Homework is assigned on a continuous basis. Class participation is important. Quizzes are given at regular intervals, and a major test is given at the end of each topic. A midterm and a Regents examination are given.

GRADING PROCEDURES

Major tests, lab reports, quizzes, homework and participation are all used as a basis for arrival at a course grade. The midterm exam counts as 20% of the 2nd quarter. The Regents examination counts as 20% of the 4th quarter. The final grade will be based upon the student's 4 quarter grades.