

ROSLYN HIGH SCHOOL

DEPARTMENT: SCIENCE

NAME OF COURSE: REGENTS CHEMISTRY

GENERAL DESCRIPTION OF COURSE

This course provides students with the opportunity to gain an understanding of Chemistry and appreciation for this modern science through the use of demonstrations, hands-on lab activities, and classroom discussions on current topics. Our goal is to prepare students for success on the New York State Regents Examination in Chemistry.

MAJOR TOPICS COVERED

- ❖ Matter and Energy
- ❖ Atomic Structure
- ❖ Bonding
- ❖ Periodic Table
- ❖ Mathematics of Chemistry
- ❖ Kinetics and Equilibrium
- ❖ Acids and Bases
- ❖ Redox and Electrochemistry
- ❖ Organic Chemistry
- ❖ Application of Chemical Principles
- ❖ Nuclear Chemistry
- ❖ Laboratory Activities

TEXTBOOKS

Chemistry, Connections to Our Changing World, LeMay, Prentice-Hall

REQUIREMENTS

Students are expected to maintain a notebook of classroom activities and discussions. Class participation is expected. Homework is assigned on a regular basis and must be carefully completed and maintained in the notebook. 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. Students should be prepared for and expect weekly quizzes or tests.

GRADING PROCEDURES

The quarter grade reflects achievement on tests, quizzes, lab reports, participation in class activities and the completion of homework assignments. 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.