

ROSLYN HIGH SCHOOL

DEPARTMENT: SCIENCE

NAME OF COURSE: ADVANCED PLACEMENT CHEMISTRY

GENERAL DESCRIPTION OF COURSE

This course is designed to prepare students for the Advanced Placement Chemistry examination given by the Educational Testing Service. The lecture-discussion portion of the course is equivalent to freshman college chemistry. The laboratory portion of the course includes advanced experiments not normally found in a high school course. Students are imbued with an appreciation for consumer and environmental chemistry through the use of special assignments and discussions about current events.

MAJOR TOPICS COVERED

- ❖ Structure of Matter
- ❖ Properties of Matter- Characteristics, States, and Forces of Attraction
- ❖ Chemical Reactions
- ❖ Rates of Chemical Reactions
- ❖ Thermodynamics
- ❖ Equilibrium

TEXTBOOKS

Chemistry: The Central Science, Brown & LeMay, 13th Edition, Prentice Hall

REQUIREMENTS

To be successful in this college-level course, students must be responsible, dedicated, and self-motivated. Study skills are emphasized early in the course and are reinforced throughout the year. Regularly assigned homework will be demanding and time consuming. The course culminates with both the AP examination and a course final examination.

GRADING PROCEDURES

Grades are determined predominantly by unit tests. Laboratory reports, participation, and written assignments contribute to the overall grade. The final grade is computed as the average of the four quarters' grades. College credit may be available through Adelphi University as well (Fees apply).