

Renaissance Science Dept.

RENAISSANCE HIGH SCHOOL

ADVANCED PLACEMENT
CHEMISTRY

COURSE SYLLABUS

INSTRUCTOR: MS. CYNTHIA BRIDGES

COURSE DESCRIPTION: This course is designed to be the equivalent of the general chemistry course usually taken during the first college. For some students, this course enables them to undertake, as freshmen, second-year work in the chemistry sequence at their institution or to register for courses in other fields where general chemistry is a prerequisite. For other students, the Advanced Placement Chemistry course fulfills the laboratory science requirement and frees time for other courses.

Advanced Placement Chemistry meets the objectives of a good college general chemistry course. Students will attain a depth of understanding of fundamentals and reasonable competence in dealing with chemical problems. The course will contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with a clarity and logic. The Advanced Placement Chemistry course is designed to be taken only after the successful completion of a first course in high school chemistry.

The differences between college chemistry and the usual secondary school chemistry course are especially evident in the laboratory work. The Advanced Placement Chemistry Examination includes some questions based on experiences and skills students acquire in the laboratory: making observations of chemical reactions and substances; recording data; calculating and interpreting results based on quantitative data obtained; and communicating effectively the results of experimental work.

COURSE GOALS: Upon completion of this course, the students will be able to:

- *Read, write and talk about chemistry, using basic chemical vocabulary.
- *Write routine chemical formulas and equations.
- *Analyze and solve routine chemical problems
- *Visualize selected models of the atom and molecule, and the changes that occur in a Chemical reaction.
- *Become familiar with laboratory operations, equipment, and safety procedures.
- *Successfully pass the Advanced Placement Exam.

TEXT: Zumdahl Chemistry, by Zumdahl, Steven and Zumdahl, Susan
Zumdahl Chemistry Study Guide, by Zumdahl, Steven and Zumdahl, Susan
Advanced Placement Chemistry Prep Book, by Barrons

COURSE REQUIREMENTS:

Attendance is mandatory. Homework will be assigned on a daily basis. Students should spend a **minimum** of 60 minutes on Advanced Placement Chemistry each night. This amount of time is necessary in order to keep abreast of what is going on in class. *Ask questions immediately if something is said or done in class that is not understood.* Seek additional help if needed. I am available for tutoring before school 7:30a.m. by appointment or after school until 4:00p.m. everyday except Wednesday. Quizzes will be announced and unannounced. Unannounced quizzes (pop quizzes) may **not** be made up, as a result of this, I will drop three quiz grades at the end of each semester. Makeup work is to be completed during a scheduled appointment. Tests and announced quizzes may be made up with a written excuse. Tests must be made up within two days upon the return of the student. Late homework will **not** be accepted. A weekly assignment sheet will be posted. Each student will need a scientific calculator, a 2" – 3" plastic three ring binder with 5 dividers (dividers should have pockets and tabs), 2 red pens, 2 blue or black pens, and 100 set carbon spiral bound lab notebook . An academic calendar for the year is a

ORGANIZATION OF BINDER:

First Page:	Record of chemistry grades (MANDATORY)
Second Page:	Syllabus
First Section:	Class Notes
Second Section:	Classwork/Homework
Third Section:	Daily Journal
Fourth Section:	Current Events
Fifth Section:	Returned papers (Quizzes and Tests)

NOTE: All pages should be dated and kept in chronological order.

GRADING SYSTEM:	100 – 90	A
	89 – 80	B
	79 – 70	C
	69 – 58	D
	57 & below	F

Distribution of Credit: Credit can be earned in the following areas.

Tests	35%
Labs	30%
Quizzes	25%
Homework/Classwork	10%

AP CHEMISTRY CLASS AGREEMENT

I, _____ understand and agree that:

I must be punctual in arriving to class.

I must attend class regularly, unless otherwise excused in advance.

I understand that this is a year course and I am to remain for the entire year.

I will inform my teacher if I must be excused from class because of illness.

I will not be absent from class for family trips and non-required school field trips.

I must devote and average of one hour per day.

I must take the AP Chemistry Exam.

I understand that I will be required to attend (Saturday, possible lunch, before and after school tutorial/study sessions,) in preparation for the AP Chemistry Exam.

I understand that I will fail the course if these provisions are not adhered to.

To the Parent: This is a very challenging course. Success in this course requires consistent daily work on new material and review of class notes. Please encourage your child to keep up with the course material. If he or she is having difficulty, tutoring is available both before and after school. Please feel free to call me if there are any problems or if you have any questions about the syllabus (416-4600). I look forward to working with you to make this a rewarding experience for all!

Please sign and return the lower portion of the form to indicate you have read the syllabus.

I have read and understood the syllabus for Advanced Placement Chemistry.

Parent's signature

Student's signature

Date

Parent's cell number

Parent's work number

Parent's email address