AP Chemistry Syllabus

Chemistry, 2018-2019, Mrs. Bennett
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Student Copy

Materials:

6) Textbook: Brown and LeMay, *Chemistry, The Central Science*, electronic, 13th edition.
7) 3 ring binder with tab dividers, paper, pencil, etc.
8) Scientific Calculator with statistical, exponential, and logarithmic functions.
9) AP Chemistry Study Guide (optional) -AP Chemistry Crash course by Adrian Dingle from Amazon or others like Barron's or Princeton Review available at local bookstores.
10) Lab fee - $30

Statement of Relevance:

The purpose of this course is to provide the knowledge and skills necessary to perform successfully on the AP Chemistry Exam. These skills are useful to better understand the world you live in and to provide a strategy for problem solving.

Course Description:

AP Chemistry is a second year Chemistry course similar to the Freshman General Chemistry course taught at many universities. The scope, sequence and pace of instruction will be similar to that of a college course. Students earning a satisfactory score on the AP exam may be eligible for college credit and should contact the college or university they plan to attend for score requirements.

The semester will begin with a brief review of laboratory techniques and safety procedures. We will continue with a review of basic chemical concepts, stoichiometry, and reactions. With this foundation we will continue the semester with the study of electrochemistry, gas relationships, thermodynamics, kinetics, and organic nomenclature.

Second semester will begin with equilibrium, acid/base behavior followed by a review of atomic structure, periodicity, chemical bonding, phases of matter and solutions.

AP Chemistry is sequential in nature and is taught at an accelerated pace. Excessive absences will have an adverse effect on your grade.

Tutoring:

Any student experiencing difficulties is encouraged to attend tutorial. Tutoring is offered in the mornings from 7:45-8:15 a.m. I will be in the Chemistry room, room 105, on B-days but will be in the Engineering room, CL2 on A-days. The formation of study groups by the students is strongly encouraged.

Grading Policies:

Your semester grade will be comprised of the grades you earn on your tests, homework, class work, cooperative projects, quizzes, lab portfolio, special project/assignments, etc. However, tests will make up the largest percent of your grade. Tests will count 66% and daily work will count 34% of your class grade. AP Chemistry, like any science, is best taught in a laboratory. It is the student's responsibility to complete the lab and submit the report in a timely fashion. Due to the length of the labs, students may be encouraged to work before or after school. If you miss a lab or are unable to complete it in the time allowed; you will be required to make up the lab before school. We will usually work in pairs for labs but occasionally you will work individually to ensure that everyone gets a chance to practice their lab techniques. We will analyze your individual data as well as class data.

Homework will be assigned for each chapter. Emphasis will be placed on quantitative chemistry in almost all units. Students should seek help with graphing, logarithmic functions, algebra manipulations and solving quadratic equations. Like any college course the student should allow time on a daily basis to complete homework, lab reports and study.

Absences:

A.P. Chemistry is sequential in nature. Excessive absences can have an adverse effect on your grade. **You should always check Canvas online to see the work you missed.**

4. Class work and homework

   It is the student's responsibility to determine the work missed. The assignments are located online. All written make-up work should be placed in the appropriate class folder on my desk in your allotted time. Online assignments should be submitted online as usual. **Please refer to current handbook for time allotments.**

5. Tests and quizzes

   Tests and quizzes must be made up before school.

6. Labs

   If you are absent on the day of a lab, you will be required to thoroughly understand the lab we performed. Lab supplies will be provided for up to one week from the date of the lab. You may come in the mornings or during break with a partner to complete the data collection for the lab. You will be responsible for the same lab report as assigned in class.

All missed work that is not made up in the allotted time will result in a zero.

General Classroom Rules

5. Be on time and prepared with books, notebook, calculator, pencils, etc.
6. Be respectful of everyone and everything!
7. There is absolutely no food or beverages allowed in class at any time. The presence of food, beverages, or gum during a lab will result in a grade of zero for the day.
8. **Follow all safety procedures in the lab.** Failure to do so or horseplay will result in immediate dismissal from the lab and a zero for the activity. Severe misbehavior in the lab will result in an office referral.

Consequences

When a student exhibits inappropriate behavior, the following steps will be taken:

A) First Offense - warning
B) Second Offense - conference with student
C) Third Offense – break detention and/or call parents
D) Fourth Offense - office referral

Severe misbehavior will result in an immediate office referral.

Mole Dollars

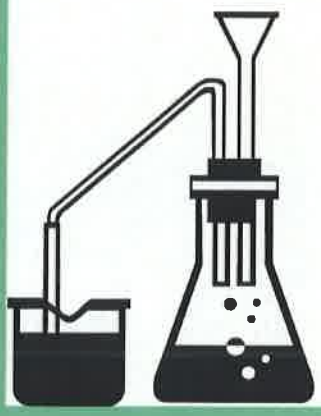
Reward "mole dollars" may be used for the following:

A) 2 Bonus points on test - 1 "mole dollar", max – 4 "dollars" or 8 points on one test per 9 weeks.
B) Drop lowest quiz grade - 5 "mole dollars"
C) Drop lowest homework grade – 3 "mole dollars"
   Max – One drop grade (quiz or homework) per 9 weeks
D) 1 Bonus Point on final exam - 1 "mole dollar," - max 10 points

AP Chemistry

Form a deeper bond with Chemistry

Explore the intricacies of Chemistry and partake in engaging labs in this AP course.

Pre-Requisites:
Completion of Chemistry I

Additional Info:
There is a summer work packet to keep students' minds engaged.
It is recommended to study at least 1 hour a night, and read your textbook to succeed.