

AP Chemistry

Mrs. Martin
Room #123

Contact information

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Phone: (781) 979-2200 Ext. 4113

Class materials and due dates: <https://sites.google.com/a/melroseschools.com/martinscience/>

Grades (Aspen): ma-melrose.myfollett.com

Extra Help

My formal after school help times are from 2:15 to 3:15 pm on Tuesday and Thursday. I am available before school and additional times after school by appointment.

Course Description

This second-year Chemistry course is designed to prepare students for the AP Chemistry exam. This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board. The class also features lab work and learning objectives that combine content with inquiry and reasoning skills.

Course Outline

Semester 1	Semester 2
<u>Unit 1:</u> Chemistry Fundamentals <u>Unit 2:</u> Gas Laws <u>Unit 3:</u> Thermochemistry <u>Unit 4:</u> Atomic Structure and Periodicity <u>Unit 5:</u> Chemical Bonding <u>Unit 6:</u> Liquids, Solids and Solutions <u>Unit 7:</u> Kinetics	<u>Unit 8:</u> General Equilibrium <u>Unit 9:</u> Acids and Bases <u>Unit 10:</u> Thermodynamics <u>Unit 11:</u> Electrochemistry

Course Materials

Primary Text: Kotz, John, Paul Treichel and Gabriella Weaver. *Chemistry and Chemical Reactivity*, Sixth Edition. Belmont CA: Thomson Learning, 2006

Please bring these items to class every day:

- 3-ring binder with tabs
- Lined paper for notes
- Composition notebook for labs
- Pencils
- Calculator

Grading

Quarterly grades will be based on:

- Tests 50 %
- Quizzes 20
- Projects and labs 20
- Homework and class work 10

Midyear and Final Exams will be given. These exams count as 10% of the respective semester grade. The average of the first and second quarter grades will count 90% in determining the first semester average. Similarly, the second semester average will include the average of third and fourth quarter grades at 90% and the final exam at 10%. The average for the entire year will be the average of both semesters.

Q1= 22.5% Q2=22.5% Midterm = 5% Q3=22.5% Q4=22.5% Final = 5%

Quiz and Test Information

- Quizzes and tests must be made up the day you return from an absence. If you are absent for an extended period of time or there are extenuating circumstances, this policy can be modified on an individual basis.
- Students may retake tests. The final test grade will be the average of the original test and the retake exam.

Assignment information

- Homework should be completed before the start of class on the assigned due date.
- Late homework will receive partial to no credit.
- If a student is absent from class, she/he is responsible for making up any assignments within one week.
- Test and quiz dates, homework assignments, lab report requirements, and project information will be posted in the classroom and also on the internet.

AP Exam

By registering for this class it is expected that you will be signing up for, preparing for, and taking the Advanced Placement Exam in May. This class is designed specifically to help you prepare for that exam. If your transcript displays AP next to a course then colleges would expect that you would be taking the exam for that course.

Academic Honesty

Students are expected to maintain the highest standards of academic integrity and not engage in cheating or plagiarism. Please review the policies in the handbook as they relate to academic honesty. Examples of academic dishonesty include using electronic devices during tests and quizzes, using outside or computer resources to complete free responses or investigations, sharing what items will be on a test or quiz with the other class, copying lab reports, etc. **DO NOT JEOPARDIZE YOUR REPUTATION, MEMBERSHIP IN HONOR SOCIETIES, OR YOUR GRADE BY CHEATING.**

Student Expectations

Students must possess the following:

- An excellent attendance record
- Reading, Writing, and Math skills
- An exceptionally-strong work ethic (assignments are done thoroughly, professionally, and on- time)
- The desire to do college-level work in high school
- A willingness to follow classroom rules.

Attendance

It is imperative for you to be here every day for class activities, demonstrations, discussions, etc. On the seventh unexcused absence a letter grade of "F" will be issued for the quarter. Please be on time and in your seat when the bell rings. Three tardies count as one unexcused absence.

Senior Internship

Some of you may choose to participate in the Senior Internship. Because you are enrolled in an AP class, you **MUST** plan your internship around Chemistry. In other words, plan to be in class every day during your internship.

Student Name (Print):

I have read the course syllabus for my chemistry class and I understand what is expected of me this year. I will put effort into all of my work, come to class with a positive attitude and take responsibility for my successful completion of this course.

Student Signature: _____

Date: _____

Parent/Guardian Name:

Relation to Student:

Contact Information

Home Phone:

Cell Phone:

Email Address:

Preferred Method of Contact:

I have reviewed the syllabus for Mrs. Martin's chemistry class and I understand what is expected of the student. I will work with the teacher and the student to promote the success of the student in this class.

Parent/Guardian Signature: _____

Date: _____