

Advanced Chemistry
Mrs. Valle
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In studying chemistry, students discover chemistry's tremendous power to explain the nature of matter and its transformations. The topics covered include atomic and molecular structure, the periodic table, chemical bonds, stoichiometry, gases, acids and bases, solutions, thermodynamics, reaction rates, chemical equilibrium, organic and biochemistry and nuclear processes. Chemistry requires high-level problem-solving skills, such as designing experiments and solving word problems. An essential prerequisite for chemistry is a strong background in algebra.

Required Materials:

textbook, Foundations of College Chemistry, twelfth edition, pen or pencil and a three-ring binder with plenty of loose-leaf paper and a calculator (I reserve the right to look at or clear the memory of any programmable calculator).

Student Responsibilities/Expectations:

Read, understand and follow ALL expectations and procedures outlined in the Parent/Student Handbook.

Be prepared EACH DAY for class with required materials and completed assignments.

RESPECT yourself, your peers and your teacher. You have chosen to be in this class to learn, so do not do anything that distracts from that learning.

We work from bell to bell. Please be in your seat when the bell rings. Use the restroom, go to your locker, etc., before the bell rings. Use your participation passes if an emergency arises.

Understand that the work level and performance expectations outlined for the course are not debatable; the student is responsible for ALL of his/her work.

Grading:

Quarter grades are based on the number of total points earned on tests, quizzes, homework quizzes, lab reports, class participation, in-class activities and computer projects. Letter grades will be assigned as indicated in the Parent-Student handbook.

Assignments/Assessments

Assignments are always posted on the board. Students are responsible for maintaining accurate due dates and assignment expectations.

Homework will rarely be collected. Daily homework quizzes will be given to assess student understanding.

Excellent attendance is very important. Missing one day could mean missing an entire discussion of a topic. If you know you are going to be absent, you must get your assignments in advance. The student is responsible for obtaining notes, assignments, etc. missed due to absence. Please see me BEFORE class in room 602 or contact me via email.

Chemistry is a challenging class. In order to be successful you must:

- 1. take notes and be organized**
- 2. do examples in class**
- 3. do your homework**
- 4. read the book and study sample problems**
- 5. use web sites(chemtutor.com)**
- 6. pay attention and ask questions**
- 7. have a positive attitude**
- 8. remember to turn in labs**
- 9. go to tutoring**

Tutoring information:

Monday, Tuesday, Thursday and Friday after school on room 602.



