

# MASSAPONAX HIGH SCHOOL



## Chemistry I 2005-2006

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The general chemistry course is designed to provide a broad general understanding of the fundamental principles of chemistry. It is recommended for students who do not plan a scientific career. Laboratory investigations will be conducted which reinforce principles taught in the classroom. Mathematical skills needed for problem solving will be taught as needed.

### By the end of the school year students will:

1. Investigate and understand that experiments in which variables are measured, analyzed, and evaluated, produce observations and verifiable data. (SOL CH1)
2. Investigate and understand that the placement of elements on the periodic table is a function of their atomic structure. The periodic table will be used to interpret and predict the dependence of chemical and physical properties on electron configuration. (SOL CH2)
3. Investigate and understand how conservation of energy and matter is expressed in chemical formulas and balanced equations. (SOL CH3)
4. Investigate and understand that quantities in a chemical reaction are based on molar relationships. (SOL CH4)
5. Investigate and understand that the phases of matter can be explained by kinetic theory and by the forces of attractions between particles. (SOL CH5)

### Grading Policy:

The class will be graded using a point system as follows:

Homework	5 pts each
Daily grades	25 pts each
Lab grades	50 pts each
Tests/projects	100 pts each

The nine weeks grade will be calculated as follows:  $\frac{\text{Total points earned}}{\text{Total points possible}} \times 100$

The semester and year grades will be calculated according to county policy.

- Students are expected to do all homework. Homework will be checked with a stamp sheet for completeness, not correctness. Stamp sheets will be collected twice during the nine weeks.
- Daily grades will consist of worksheets, quizzes, and other graded assignments.
- Labs will be done with each unit.
- Tests will be given at the end of each unit.
- A benchmark test will be given at the end of the nine weeks.

**All students will be given an interim report half way through the nine weeks.**

**Students will take an End of Course Test for this class.**

**Classroom Rules and Procedures:**

1. Students must have a scientific calculator for the class. A graphing calculator is recommended, but not required. Students should have a package of index cards to use for the class.
2. Students should be in seats when the bell rings. The schools tardy policy will be enforced.
3. Late work for other than absences will not be accepted. Work is due when the teacher collects it.
4. If a student is absent:
  - a) It is the student’s responsibility to obtain make up work from the teacher.
  - b) Any material due the day of the absence is due the day of return.
  - c) If a test or quiz has been announced it will be taken the day of the test if you are absent only the day before.
  - d) Labs and tests must be made up after school on Mondays, Tuesdays, Wednesdays, or Thursdays.
  - e) Make up tests will cover the same material but will not necessarily be in the same format as the original test.
  - f) Any work missed due to an absence **MUST BE MADE UP BY AND TURNED IN BY THURSDAY OF THE FOLLOWING WEEK!!**
5. No passes for trips outside the classroom will be allowed except in extreme emergency.
6. Disruptive behavior of any type will not be tolerated. Do not engage in behavior that will annoy or distract anyone in the classroom.
7. Please remember the chemistry laboratory is not your typical classroom. Because of this there are certain rules to follow to ensure your safety.
  - a) There will be no eating in the classroom.
  - b) No one will go in the “laboratory” half of the classroom without the teachers permission.
  - c) Do not begin labs until instructed by the teacher.
  - d) Goggles must be worn during all labs. The science department has them available for use, or you may supply your own. If you wish to use your own they must be approved chemical splash goggles.

**Your teacher is more than willing to help you be successful in this class. If you are feeling confused, please ASK QUESTIONS! I will make every effort to rephrase the material to help you understand. I am also more than willing to give you individual help. I will make myself available at the following times. Please come and talk to me if you are having trouble.**

1. Mondays after school from 2:20 to 3:20 in room 222. Students must arrive by 2:30.
2. On Tuesdays and Thursdays after school until 3:00.
3. My planning period is from 1:35 to 2:20. This is the best time for parent phone calls.
4. Other times by arrangement.

**The other chemistry teacher will be staying at the school until 3:20 on Wednesdays for tutoring and make up work as needed.**

If you are having trouble, a little help will often prove to be a big benefit. In order to encourage students to come for help I give students five bonus points each time they come in for help before or after school. Bonus points may also be used for recovery on tests and quizzes. Students should bring the test or quiz and be prepared to go over it with me.

\*\*\*\*\*CUT HERE. Please read, sign, and return this.\*\*\*\*\*

**Student: I have read the syllabus and understand its content.** Pd. \_\_\_\_\_

\_\_\_\_\_  
Student name Signature Date

**Parent: I have read the contents of the syllabus. My son/daughter will be expected to follow its contents.**

\_\_\_\_\_  
Parent name Signature Date

Parents email \_\_\_\_\_  
Phone number where they can be reached during school hours: \_\_\_\_\_