**Chemistry Syllabus**

Mrs. Gundy

**Course Description**

Chemistry is a one year college preparatory course. A student enrolled in chemistry should be concurrently enrolled in Algebra II. The topics covered in Chemistry include:

First Semester

Lab Procedures The Periodic Law

Matter, Energy and Changes Chemical Bonding

Measurements and Problem Solving Chemical Formulas

Atomic Structure Chemical Equations

Electron Configuration Stoichiometry

Second Semester

Qualitative Lab Procedures Ionization

Gases and The Gas Laws Acids, Bases and Salts

Molecular Composition of Gases Titration and pH

Liquids, Solids and Water Reaction Kinetics

Solutions Chemical Equilibrium

**Grading**

1. Each semester is divided into ten units called **chem – pacs**. A chem – pac usually includes **homework** and **lab work**.
2. One extra credit assignment per semester will be given.
3. Grades will be determined by the Following percentage scale:

A 90 – 100

B 80 – 89

C 70 – 79

D 60 – 69

F 59 and below

**Chem – pac Test**

1. Any student who does not take a test on its schedule day must make arrangements with the teacher to make –up test prepared by the authors of the text before the next unit test.
2. A test not taken before the next test will result in a score of zero.
3. An unexcused absence the day of the test will result in a score of zero.
4. Cheating on, the test will result in a score of zero and a call home to parents.
5. Cheating a second time will result in being dropped from the class.

**Homework**

1. Homework must be turned in on the due date unless the student has an excused absence for the due date, or else full credit will not be received.
2. With an excused absence the student must turn in the homework on the first day the student returns to school in order to receive full credit.
3. Late homework can be turned in for 50 percent on the day of the test only. The homework must be fully labeled.
4. Even if the student is absent more than one day prior to the due date, it will be expected that the student will read the assigned pages and complete the homework assigned by the due date.

**Class materials**

1. The student will be required to purchase a laboratory manual which includes lab procedures and practice worksheets.
2. The Student will be required to purchase a lab notebook which contains graph paper.
3. A scientific calculator would be helpful.
4. Paper and pen or pencil will be useful for taking notes and working on assignments.

**Textbook**

1. Textbooks are to be kept at home
2. Textbook damage will result in paying for the book at the end of the year

**Laboratory**

1. Laboratory procedures will be found in the lab procedure.
2. If the prelab write-up is not complete before class then the five points will be lost
3. If a student is absent for a lab then there are two options
   1. The student may obtain the in-lab data from his/her partner, turn it in on the due date and lose the initial 5 points because he/she did not participate, or
   2. The student may perform the lab at lunch so the 5 participation points will not be lost. This must be made up and completed by the due date.
4. If the student has an excused absence for the due date, then the student must turn the lab in the first day he/she gets back in order to receive full credit
5. A late lab will receive 50 percent and will be due when the next lab is due or a grade of zero will result.