**Chemistry 1** Chemistry is the study of the composition of substances and the changes they undergo.  The basic principles and concepts of chemistry are developed through laboratory investigation. Included are atomic structure, gas laws, chemical reactions, elements, compounds, etc.  Evaluation via objective testing covers textbook assignments, lab experiences, lectures and demonstrations.  These first year topics are being taught in an inquiry teaching setting/ environment.

**Grading scale is**

90-100=A and so on

**Grade calculation**

Grades are based on weighted average

1.  Tests:  55%

2.  Quizzes:  15%

3.  Lab reports: 15%

5.  Homework/class work: 15%

**Semester grade**

1.   First quarter: 42.5%

2.   Second quarter: 42.5%

3.   Semester test: 15% (final covers year)

**Classroom rules**

1. Be responsible
2. Be respectful
3. Be a graduate

**Materials**

1. Three ring binder with tabs (notes, handouts, worksheets)

2. College ruled filler paper or spiral notebook

3. Scientific calculator (I don’t allow the use of cell phone calculators on quizzes or tests).

4. Composition notebook.

**1st Semester topics**

·        Measurement/ Proportional Reasoning

·        Complex Conversions

·        Gas Laws

·        The Atom

·        Classification of Matter

·        The Periodic Table and Trends

·        The Mole

**2nd Semester topics**

·        Nomenclature

·        Writing and balancing equations

·        Stoichiometry

·        Thermochemistry

·        Acids and Bases

·        Solution chemistry