

Chemistry: Matter and Change

Ms. Helton

chelton@temima.org

Temima High School 2011-2012 (5771-5772)

Introduction: Welcome to Chemistry! This course will be a fast paced and hands on approach to high school chemistry. We will begin our journey by building a foundation of understanding what science is. This foundation will be our basis to a systematic method of problem solving. We will experience chemistry in our daily lives and experiment with different chemical theories. We will become more aware of the matter that is around us and a part of us through our examination of atoms, bonding, and reactions.

Materials: A 3-ring binder
Note taking paper
A scientific calculator
Writing utensils, both pens and pencils
Tissues!!!

Textbooks: CHEMISTRY, Matter and Change. Glencoe

Each student will be given a textbook at the beginning of the year. The student is responsible for the condition of the book upon return at the end of the year. The cost of a replacement text is \$78.01. Each student should bring the book to class on a daily basis. Open textbook quizzes may be given without notice.

A lab manual will be purchased for each student. The lab manual fee is \$4.00 and will be expected to be turned into the office by Sept 2. The lab manual should be returned at the end of the year. The cost of replacement is \$8.00.

Grading Rubric:

Homework and Class work 20%

Daily assignments that will be announced and/or posted

Chemistry in the News 5%

Will be assigned bi-weekly

Class Participation 5%

Will be marked daily

Quizzes 10%

Will be announced or unannounced and graded for correctness

Laboratory Write-ups 25%

Will follow ALL lab experiments and will be graded on correctness and completeness

Tests and Projects 35%
Announced in advance and graded on correctness and completeness.

Midterm & Final Exams will be 3 test grades each
Extra credit is given as bonus questions on the tests.

Grade expectations are as follows:

An *A* means that the student has completed proficient work on all course objectives and advanced work on most of the objectives.

A *B* means the student has completed only proficient work on all course objectives.

A *C* means the student has completed proficient work on the most important objectives, although not on all objectives.

A *D* means the student has completed proficient work on at least one-half of the course objectives but is missing some important objectives and is at significant risk of failing the next course in the sequence.

An *F* means the student has completed proficient work on less than one-half of the course objectives and cannot successfully complete the next course in the sequence.

Procedures:

- In this class, we will follow all policies in the student handbook.
- When the tardy bell rings, we will be seated, with a writing utensil, paper, and textbook out ready for the instructions of the day.
- Class will be dismissed by the teacher, with ample time to copy homework in the Yoman and tidy up each person's area before leaving class.
- We will show respect to anyone who is speaking by not talking and raising our hands when we would like to speak.
- We will come to class prepared and will remain in class once the tardy bell has rung.
- We will adhere to the one bathroom pass per day policy for our class and respect our fellow students by not taking advantage of it.
- We will communicate with Ms. Helton through the correct channels and contact her for additional tutoring.
- Anyone not respecting the class procedures will earn a demerit.
- Anyone tardy to class will be reported. Three tardies will equal one demerit. Absences will be handled as per the student handbook.

Instructional Objectives:

- Observe and discuss science as a body of knowledge and investigative process

- Use our new investigative process to analyze the nature of matter and its classifications
- Explore atomic theory with its property of matter
- Employ oral and written communication skills to explain the chemical nature of atoms

Course Curriculum Suggested Time Frame:

Semester 1

Unit 1	Intro to Matter and Data Analysis	August September
Unit 2	Atoms	September
Unit 3	Periodicity	October
Unit 4	Chemical Bonding	October November
Unit 5	Chemical Reactions	November
Unit 6	Mole and Stoichiometry	December January

Semester 2

Unit 7	States of Matter	February
Unit 8	Acids, Bases, & Solutions	March
Unit 9	Energy and Reactions	April May
	Regent's Test	
Unit 10	Electrochemistry	June

Parent/Guardian Signature (Please, no initials)

Student Signature _____

()

()

()

Reading chapter sections each night before class
Quizzing in the beginning

Outlines at beginning of each section or chapter
Objectives for each unit, chapter, etc

Chemistry in the News
A week in Chemistry....