

Monarch High School
Chemistry 1
January 2012
Term 11

Instructor: Mohammed, Fakiha
Parent Contact Hours: 2:45 – 3:15 P.M.
Phone: 754 - 322 - 1400 (ex. 3071)
e-mail: fakiha.mohammed@browardschools.com

STATE ADOPTED TEXT: Holt *Chemistry* (2010) copyright Holt, Rinehart, and Winston

COURSE DESCRIPTION:

Chemistry 1 is an exciting but challenging course that provides opportunities for students to learn and utilize chemical concepts. Topics for the year will include but not be limited to: classification and structure of matter, atomic theory, The periodic table, bonding, chemical formulas, chemical reactions, balanced equations, chemical calculations, behavior of gases, physical changes, acids, bases, and salts. Laboratory activities, which include the use of the scientific method, measurement, laboratory apparatus and safety, are an integral part to this course.

Objectives and subject matter to be taught as time and circumstances permit.

COURSE CONTENT (Goal and Standards):

Successful completion of this course will require the student to demonstrate competency in the areas of reading and writing, as well as mathematics, as an integral part of the following Sunshine State Standards:

After completion of this course the following objectives should be able to be demonstrated:

1. The student understands that all matter has observable, measurable properties.
2. The student understands the basic principles of atomic theory.
3. The student recognizes that energy may be changed in form with varying efficiency.
4. The student understands the interaction of matter and energy.
5. The student uses the scientific processes and habits of mind to solve problems.
6. The student understands that most natural events occur in comprehensible, consistent patterns.
7. The student understands that science, technology, and society are interwoven and interdependent.

SUGGESTED CLASS MATERIALS:

1. Black & White composition notebook
2. Three (3) -ring binders with paper
3. Pencil or pen
4. Scientific calculator
5. Flash drive

CLASS and LAB PROCEDURES:

A. Class Procedures:

In order to have meaningful science classes there are some basic procedures that must be followed. These procedures are the ones that I would expect any mature high school student to obey.

Please:

1. Be on time. Class starts when the tardy bell rings.
2. Sit in your assigned seat.
3. Raise your hand when asking or answering questions.
4. Do not eat any kind of food (candy, gum, etc.) or drink any kind of liquid (soda, bottled water, etc.) in the classroom because this is a dangerous practice in a science room. Also, please do not bring any food items to class including bottled water.
5. Bathroom passes will be limited. Please sign your name on the bathroom pass list. Pass privileges will be lost if they are abused.

B. Lab Procedures:

Chemistry cannot be taught without doing experiments! In the course of the school term we will be doing numerous experiments. For your protection please follow all safety rules that are given either in written form or given verbally. You have safety rules on a contract for safety that is to be signed by you and your parents/guardians. In addition, you will be reminded of safety procedures before the start of any lab activity.

Please:

1. Stay at your assigned lab area and do not leave it unless there is an emergency. You are expected to stay in your lab area until the teacher dismisses you.
2. Absolutely **NO FOOD** will be allowed in the lab area.
3. Work quietly.
4. Use only the chemicals and equipment needed for your experiment.
5. Leave your lab area neat and clean when you are finished. (This is part of your lab grade.)

C. Violations:

Anyone who violates any of the above class and lab procedure will have to serve a detention. These detentions are to be served after school Tuesdays & Thursday.

D. Studying:

Chemistry 1 requires a lot of studying time for most students to be successful. Even when “no homework” is assigned you should be studying Chemistry--reviewing notes, practicing problems, and reading the appropriate section of your textbook. Please read over the materials when they are presented. You should spend at least **8 hours** (outside of class) studying, reading the assignments, answering homework questions, and reviewing class work and lab work **per week**. *You are responsible for all material presented in class.* If you miss a class it is your responsibility to get all of the class notes and assigned work and to ask the instructor for a make-up quiz if a quiz was given. Any labs missed must be made up after school within the allowed time frame.

COURSE OBJECTIVES/COMPETENCIES:

Your grade will be determined from the scores on your quizzes, tests, assigned homework, assigned class work, lab activities, note taking, research paper, the overall notebook and participation in class. Each assignment will be worth a specific number of points. The points assigned to each task will vary based on the difficulty of the work involved in completing the assignment. At the end of each grading period the total number of points that could have been earned will divide the total number of points actually earned.

GRADE ANALYSIS:

Course grades will be assigned as follows:

- A** = 90.0 % - 100 %
- B** = 80.0 % - 89.9 %
- C** = 70.0 % - 79.9 %
- D** = 60.0 % - 69.9 %
- F** = 59.9 % and below

You will be given ample opportunity to earn extra credit to improve your grade if you are up to date with your class work assignments, lab assignments, and homework assignments.

COURSE REQUIREMENTS:

1. Assignments (Homework, Class work, Participation, Lab Reports, and Skill Proficiency):
Students are required to fulfill all course requirements. Each assignment ranges in points according to the class grading policy.
2. Assessments (Hands-on, Exhibition/Demonstration, Quizzes, Tests, Projects, and Writing):
Students will be assessed using various methods. Rubrics will be used regularly to objectively assess student performance.
3. Specifications for research assignments (Due Dates, expectations, etc.)
 - a) Papers should be typed or word-processed. The font should be Helvetica or Times, and the font size should be 12 point. Your report should be double spaced with 1-inch margins on all four sides.
 - b) Content should reflect some form of introduction, your synthesis or feelings based on research findings. Citations of authorities should be used as a launching point or support for your own feelings, thoughts, or ideas.
 - c) This research document should be based on the APA style.
 - d) A grading rubric will be forthcoming explaining in more detail the exact nature of these reports, their grading, and their due dates.
4. Final Assessment:
The final assessment will consist of a series of questions requiring that you apply insight, knowledge, ideas and generalizations covered in the instructional and lab content. The format used in the assessment will include various assessment methods to assure adequate and fair treatment of the taxonomy of educational objectives.
5. Attendance:
Regular attendance is essential to success in this course. In the event of an unexcused absence, **you are responsible** for obtaining missed assignments and getting the notes from other students. If you miss a class it is your responsibility to get all of the class notes and assigned work and to ask the instructor for a make-up quiz if a quiz was given. Any labs missed must be made up after school by making an appointment with me within one week from the missed class. Attendance at all unit tests and the final exam is required. You will receive a grade of **ZERO** points for any missed exam if you did not follow school board policy concerning absences. Broward School Board policy involving excused absences will be strictly followed.

CHEATING POLICY:

Dishonesty in any form will be not tolerated. Cheating is obtaining information from any sources other than those prescribed (approved) by the teacher for the specific assignment.

Some cheating offenses would be:

1. having a "cheat sheet"
2. copying from someone else's paper during a test
3. copying from someone else's homework assignment
4. communicating in any form during a test
5. plagiarism (copying word for word, or copying ideas without giving credit to your source)
6. copying a research paper, (even with modifications) from another student, the Internet, or other such sources

Any student giving information is to be considered equally as guilty of cheating as the student receiving information.

Students caught cheating will have their parents notified of their involvement. A member of administration will meet with the teacher and the parent if necessary. A grade of **ZERO** will be given for the assignment and the student will **NOT** be allowed to make up the work. Teachers will also notify the sponsors of groups in which good character is a stipulation for entry or continued membership (i. e. National Honor Society).

Penalties for cheating:

1. automatic zero on the assignment or test.
2. parent notification.
3. referral to Guidance, creating an official record of the incident.
4. repeat offenders will be given administrative referral.

Please be advised that this policy is school-wide and will be strictly enforced.

I encourage questions during lectures on the class work and lab work and I also encourage feedback from students concerning ways to improve the course. If you are sincerely trying and are still having difficulty please do not hesitate to see me before or after class to arrange for special help. **I cannot help you if you do not ask for help!**

