

Course Expectations
Ed W. Clark High School
Chemistry I Honors - AMSAT
2019-2020

Course Description

This first-year course is designed for those students who have successfully completed Algebra I and exhibit an interest in science, especially chemistry. Topics included are: mathematics of chemistry, lab safety, laboratory procedures, elements-compounds-mixtures, atomic structure and theory, structure and organization of the periodic table, mole concept, chemical bonding, nomenclature, chemical equations, stoichiometry, kinetic theory, gases-liquids-solids-solutions, acid-bases-salt, equilibrium, thermochemistry, electrochemistry, organic chemistry, nuclear chemistry, chemistry of the environment, and career opportunities. Additional topics may include history of chemistry, biochemistry, qualitative chemistry, and research projects. A science fair project is suggested for the course. This course qualifies for college entrance requirements for a laboratory science. This class fulfills one of science credits needed for graduation.

Pre-Requisites

B or better in Algebra I and Biology

Book

Modern Chemistry

Performance Objectives

Upon completion of this course, a student will

- Use the scientific method of problem solving
- Develop safe laboratory techniques
- Use mathematics to determine chemical relationships
- Understand the differences in matter
- Predict the bonding patterns within compounds
- Use chemical equations to determine relationships between chemicals
- Develop an understanding of kinetic theory
- Develop a background in thermo, electro, organic, and nuclear chemistry
- Recognize the major differences between acids, bases, and salts
- Understand the use, benefits and consequences of using chemistry

Grading

Grading Scale is standard for all scores:

- A — 90-100%,
- B — 80-89%,
- C — 70-79%,
- D — 60-69%,
- F — 59% or below.

Your quarter grades are based on a weighted average of four types of assessments as follows: **Tests/Quizzes – 50%; Classwork/Homework – 20%; Labs – 20%; Activities/Projects – 10%**. The number of points for each individual assessment will vary depending on the assessment. There is no minimum F in this class. Citizenship grades will be based upon your attendance, classroom behavior and participation in class.

A. Tests and Quizzes

Quizzes/Tests can be given at any time, but generally you will have advanced notice of an upcoming quiz/test. Tests and quizzes will generally focus on the current material, but concepts discussed previously sometimes will also be included. Test questions may include multiple choice, completion, matching, short answer, essay, demonstration from labs, or problem solving. Quizzes (not tests) can be retaken. You will have one week from when your quiz is handed back to you to retake the quiz. Any quiz with a score of **79% or less** can be **retaken**. The original quiz grade will be entered into the gradebook. Upon retake, the average score of the original and the retake will be entered in place of the original score. **If you are absent on the day of an assessment (such as a test, quiz, classwork or lab) you have 4 school days after you return to school to make it up. It your responsibility to contact me to arrange for a time to make up the missing assignment.** Make-up tests will be different than the original test. Semester exams are 10% of your semester grade. **There is absolutely no talking or communicating during a test or quiz. Anyone found communicating or using a cell phone will get a zero for the test or quiz.** This includes semester exams.

B. Homework

Homework is due the day after it is assigned unless otherwise stated by the teacher. Full credit (**5/5**) is given for on time HW. HW finished in the class period, but not on time will be given a score of **4/5** while HW turned in after the class period ends will be given a score of **3/5**. You will have up to a week after the HW is assigned to complete it for partial credit (**3/5**) later than a week a score of **zero** will be entered for that HW.

C. Labs

You will be required to turn a lab report for each lab exercise. Details on how to use your lab reports will be given prior to the lab exercise. When a lab is scheduled, you must come prepared. Each student must have a signed and checked lab safety contract in the front of his or her lab notebook before participating in a lab. A grade of **zero** will be recorded for each lab until the **safety contract/syllabus signature** form is returned.

- No open toed shoes during a lab.
- Long hair must be tied back.
- **Safety glasses must be worn during any lab activities**
- No horseplay.
- **Read directions before asking questions!!!!**
- **Ask questions for any clarification needed!**

D. Make-up work

When you return to class from an absence, you will ask the teacher about your missing assignment(s). You will have **3 days** (for each day missed) to hand in the missed assignment(s). My advice is to make up the work as soon as possible. It is your responsibility to get missed work or notes when you have been absent.

E. Materials

Each student will be required to have the following materials:

- pocket folder
- notebook for sample worksheets
- notebook for HW/CW
- **Scientific calculator** (can do scientific notation): look for an EXP or EE button on calculator. **Cell phones cannot be used as calculators in any assessment.**
- 3-ring binder (can be shared with another class maybe Math)
- Pencil (w/eraser)

- Loose leaf paper (loose leaf paper, college rule for HW)
- Zippered pouch for pencils, erasers, pens, etc.

F. Tardy Policy

The school tardy policy will be followed. You are tardy if the second bell has rung and you are not in your seat (Not on your way to your seat!) prepared for class.

G. Absences

If you have 6 or more unexcused absences within a semester in any class you will not receive credit for that semester. This is a district rule.

H. Classroom Rules

Please keep the room clean. Place trash in a garbage can. You shouldn't be in any drawer or cabinet without permission. We all need to work together to keep the room looking good.

1. Come to class prepared. I will not allow you to go to your locker for anything.
2. You are required to do your own work. You will be given opportunities to work in groups, but you are responsible for your own work. **If you are found to be copying someone else's work, both works will be confiscated and both will receive a grade of zero for the assignment.** This applies for other classes as well. Each instance of cheating will be dealt with on an situational basis.
3. **NO FOOD. NO DRINK. NO GUM.**
4. No personal grooming in class.
5. This classroom is a working laboratory. Please be aware that the equipment is expensive and not to be handled without my permission. You are required to cleanup your lab stations after a lab. I will check and make you re-clean your area.
6. Wash your hands after a lab.
7. Use lab time wisely, it is not a free period. It has important educational value.
8. Do not monkey around with the gas valves or electrical outlets at the lab table.
9. When in doubt ask.
10. **RESPECT ME, YOUR PEERS, YOURSELF, AND THE SCHOOL.**
11. **Use cell phones/tablets/laptops when appropriate.**

I. Communication:

Parents or students who want to contact me for any reason please use my e-mail address: dehnear@nv.ccsd.net.

Thank you for respecting the classroom, your peers and me.

I look forward to having a great school year with you.

If you have any issues come and talk with me.

Please complete and have a parent/guardian sign the form below.

Return the completed form to me. It is considered an assignment.