

Chemistry I Syllabus

Instructor:

Mr. Henning

Textbook:

Modern Chemistry

General Course Description:

Welcome. Your first task this year is to read the following information and the lab safety sheet and have your parents read them as well. Hand in the signed portion of this paper by the end of the week indicating you have received and read this important information about the course. Please keep this sheet in a safe place for your reference the remainder of the year.

Chemistry I is a scientific study of matter and energy. This course is rigorous in nature and deals with many abstract areas of science. Chemistry I will engage students in problem solving and critical thinking activities. Topic Examples: Matter & Change, Measurements & Calculations, Atoms, Electron Arrangement, Periodic Law, Chemical Bonding, Chemical Formulas, Chemical Equations, Stoichiometry, Thermo-chemistry, and Gases.

Class Rules and Consequences:

1. You should respect the instructor and other students in your class. This includes not talking while others are speaking.
2. You will receive training on behaviors that are expected in our classroom.
3. If the class rules are broken, retraining will be conducted before or after school to reinforce the behaviors that are not being displayed. Depending on the frequency and number of infractions, higher levels of consequence may be implemented.

Moodle:

We will be using a web-based program called Moodle for much of the course. Moodle is a very extensive program and can be used to give quizzes, tests, homework, projects, and labs. Moodle will contain many resources, some of which we will not have time to go over or explain. You will have access to this program both in class and at home. You will not be required to access this from home. However, you may use these resources for extra practice, help, and/or enrichment. Please remember that Moodle is just a tool to help enhance this course; Moodle does not change the course content or difficulty. You will find a system similar to Moodle in almost all higher education programs.

Digital Device Policy:

District owned and/or Student owned digital devices may be used throughout this course to aid in class activities. These devices, such as iPads, chromebooks, phones, ipods, tablets, etc. are to be used to enhance learning in the classroom and at home. The district will only provide support for district owned devices. Below are the classroom use guidelines and possible uses.

Rules - Remember device use in the classroom is a privilege not a right.

1. When you enter the room, make sure your device is on silent.
2. When you hear “Devices Down” you must place your device on the desk face down or shut your Chrome book lid.
3. Devices must be down when the teacher or a student is addressing the class.
4. Devices must be used for class activities only.
5. Respect yourself and your peers when using your device.
6. No pictures or video may be taken without permission from the teacher.

Infractions are re-trainable! Repeat offenses could result in loss of this privilege for the student.

Possible uses for digital devices:

1. Send receive messages about assignments
2. Get help outside of class
3. Watch instructional videos
4. Monitor behavior
5. Complete assignments
6. Collect experimental data
7. Answer the bell-ringer question.
8. Other teacher approved activities.

The most important thing to remember about any technology to be used in the classroom is that it should enhance the learning process. If an electronic device becomes a distraction during class, the teacher retains the right to restrict access to that device.

Grading Policy:

1. All graded assignments are graded on a point-based system where the total points earned are divided by the points total to calculate the percentage shown on the report card except for the homework (see below).
 - a. Classwork
 - i. Classwork is based on active participation, completing in-class assignments, coming prepared for class with all necessary materials, and following the rules.
 - b. Tests/Quizzes
 - i. Tests are given at the end of every unit.
 - ii. Missed exams & quizzes should be made up in a timely fashion to maximize your chances of success. I recommend not exceeding one cycle.
 - iii. Cheating will result in a zero.
 - iv. Talking during a test or quiz may result in a zero.
 - c. Labs
 - i. Labs will be completed in most units.
 - ii. If a lab is missed due to an absence, it is up to the teacher's discretion if you will make it up.
 - iii. Labs identical to another student (i.e. copied) will result in a fractional grade. DO YOUR OWN WORK.
 - iv. Lab quizzes may be given.
 - v. Failure to follow lab procedures will result in the reduction of the lab participation grade.
2. Homework (Value added system – up to 3% on marking period grade.)
 - a. Homework will NOT be accepted late.
 - b. Homework is due at the beginning of the period on the day it is due.
3. Mastery Learning Policy
 - a. Every student is expected to achieve no less than a 70% on each and every graded assignment (test/quiz/lab/classwork).
 - b. If mastery is not shown the assignment will be redone until a score of 70% is achieved.
 - c. If a 70% or better is achieved the student will have the option to resubmit the assignment for a better grade on his or her own time.
 - d. Failure to achieve 70% or better on the first attempt may cause the student to miss out on enrichment activities.

The eligibility requirement for extracurricular activities this year is 65%, and you must earn a 65% to receive credit for the course.

Chemistry I Syllabus

Tips for Success:

Chemistry is a rigorous course that incorporates both conceptual and mathematical principles; therefore, it is of utmost importance that students complete all assignments in a timely fashion. I recommend that students complete all homework assignments, and take the time to memorize the information that is required to be committed to memory. I also stress the importance of students seeking help at the first sign of distress so they do not fall behind, as this can be detrimental as the year progresses. If, at any time, you are experiencing problems in the coursework, please contact me, and we can arrange a time where I can give you extra help with any type of problem or concept. Lastly, keep a positive attitude throughout the course!

Advice from past students:

“Do the homework and pay attention during the notes!”

“Don’t lose your materials, especially the periodic table.”

“Memorize the ions.”

“Formula writing is hard if you don’t know the ion formulas and charges.”



Everything is possible with the right priorities, effort, and tools!

Sincerely,

Handwritten signature of Derrick S. Henning.

Derrick Henning – henningd@sgasd.org

**Policies are subject to change at any time without notice per teacher discretion.

Chemistry I
Laboratory Rules

TO: ALL SCIENCE STUDENTS
FROM: SCIENCE DEPARTMENT
SUBJECT: LABORATORY SAFETY

The laboratory is a safe place to experiment, if you are careful and safety conscious. You must assume responsibility for the safety of yourself and your classmates. The following safety rules will guide you in protecting yourself and others from injury in the laboratory. In addition, your instructor may have a list of additional rules which must be followed in the laboratory while under his/her supervision. He/She will also give you specific instructions, when necessary, for a particular laboratory exercise.

1. The laboratory is to be used for serious work. No "Inappropriate Behavior" of any type is permitted at any time.
2. Do not handle the equipment in the laboratory unless you have been authorized or you are performing an experiment which makes use of that equipment.
3. Only experiments which your instructor authorizes are permitted. Always obtain your instructor's permission if you would like to modify an experiment or perform an unassigned experiment.
4. Study your laboratory assignment before you come to the lab. If you are in doubt about any procedure, ask your instructor for help.
5. Use safety equipment provided for you. Know the location of available safety equipment such as fire extinguishers.
6. Handle and use all instruments and equipment properly and with care so as not to injure yourself or damage the equipment.
7. Report any, accident, injury or incorrect procedure to your instructor at once.
8. Handle toxic, combustible or radioactive materials only under the direction of your instructor.
9. Never take any chemical substance or draw poisonous materials into a glass tube with your mouth. At no time in the lab, do you put any foreign objects in your mouth.
10. If you spill toxic, combustible or radioactive materials, notify your instructor at once. He/She will give you directions for cleaning up the spill.
11. Use gas, electrical and water outlets properly.
12. Use electrical equipment only under the supervision of your instructor.
13. Students should be aware of loose clothing, long hair or other possible fire catches and appropriate corrections should be made.
14. Keep your work area orderly and clean at all times.
15. When your investigation is complete, return all materials and apparatus to their proper locations.
16. Be sure to wash your hands after handling any toxic materials in the lab.

Chemistry I
Laboratory Rules

Chemistry I
Signature Sheet

PLEASE SIGN AND RETURN THIS PAPER TO MR. HENNING

Please sign the following lines. By doing so, you acknowledge that you have read the course syllabus/overview and understand the guidelines that are stated in this document. Thank you!

Student: _____ Date: _____

Parent/Guardian: _____ Date: _____

Parent/Guardian contact information:

Phone: _____ (best number to contact you)

Email: _____

Which way do you prefer to be contacted? (Circle One)

Email

Phone

WE HAVE READ, DISCUSSED, AND UNDERSTAND THE SAFETY REGULATIONS FOR
THE SCIENCE LABORATORY.

Student's Signature:

Date: _____

Parent's/Guardian's Signature:

Date: _____