



Classroom Policy

Mrs. Hernandez and Mr. Lindquist

Chemistry Survey

General Philosophy: Chemistry is a rewarding subject, but it is one that requires work. Expect to work hard, but also to feel a sense of accomplishment. Help each other to succeed in this class by listening to your classmates, respecting their comments, and adding your own ideas to class discussion. All of our goals (targets) for the course are attached at the end of this document. Each activity we do in class has one or more of these targets in mind, as do each of your assessments. By the end of the year, you should be able to accomplish each of the curricular targets, which will be included on course calendars. We will all reach further if we approach this year as a team. I look forward to a good year.

Required Materials: Each student should have the appropriate textbook, a laboratory instruction manual, goggles, a notebook for class notes, a calculator, and a method for organizing handouts. A three ring binder for paper and handouts is not required, but is STRONGLY recommended.

Activities: The graded activities in this class will be lab reports, tests, quizzes, and homework.



Homework will be assigned regularly and is expected to be completed neatly and on time. Examples of homework assignments include problems to be solved, or short written work. Readings in the text are also homework and are important to your understanding of the material.

Lab reports: Lab reports will be graded on organization of the report, analysis and accuracy of results, conclusions, and neatness of presentation. Complete your laboratory work carefully and on time. Do not get behind in your lab work. Lab work is a very important part of any chemistry course. Some labs will be assessed in the form of a lab quiz, rather than a written report. In these cases, students may use their written lab report during the quiz, but not the lab manual pages. The report may or may not be collected after the quiz.

Quizzes will be announced and unannounced, so it is very important to keep up with the material assigned in class.

Tests will always be announced.

Academic Honesty There are important benefits to working with other students in this class, and I realize that studying together is an excellent learning tool when used properly. Be sure that when you are working with others, that you really are helping each other to understand the material. It is NOT okay to simply share answers, and students who are found to be cheating will receive a zero for the assignment. This is also true of lab reports, even though you will be assigned partners. Your data section should be identical, and you may work together to analyze the laboratory results, but your write up should be your own. In the case of any labs being turned in with identical or nearly identical work, all participants will receive zeros. In the case of a lab quiz, all students must have their own copy of their reports to use. Sharing with a partners is not allowed.

Grades The standard percentages listed in the student handbook will correspond to each of the letter grades. Your quarter grades will be determined in the following manner.

- Tests will be 30% of the grade,
- labs will be 30%,
- quizzes will be 20%,
- homework will be 20%.

Class attendance: There is a strong connection between class attendance and performance in this class. Students are responsible to secure and show an authorized absence, and to obtain assignments and notes for the days that were missed. This should be done immediately.

If a student has an excused absence on the day of a lab, he/she must arrange to make up the lab. When attending a make-up lab session, you must be prepared. You may be asked to leave if the teacher does not feel you are adequately prepared for lab. All labs should be made up within one week from returning to school because of equipment constraints. If this is not completed, you will receive a zero for the lab.

If a student has an excused absence on the day of a test or quiz, the student will be expected to make that up on the day of his/her return unless the absence has been an extended one.

In all cases, finding out homework assignments and completing them after an absence is your responsibility. Absence is not an excuse for missing work. This includes laboratory work. If you are absent on the day that I check in a lab or homework, it is your responsibility to seek me out and check in your work for credit.

If a student has an unexcused absence on the day of a test, quiz, or lab, he/she will receive a zero for that assignment. There will be a 3% grade penalty for each cut class on a non-quiz or test day. Should this reach a total of 9%, a parent conference will be initiated.

Tardiness: Tardiness to class is a disruption to your teacher and your classmates. It is expected that you will be on time and ready to begin at the bell. Should you be late to class, enter as quietly as possible so as not to disrupt others, and speak to me after class. Do not interrupt class to explain your tardiness, but make sure that you explain it to me after class. Be careful of the 5 minute break between double periods. You are still expected to be in on time for the second period.

Behavior: There is a great potential for danger when working in a laboratory, and rules should be followed at all times. Students are required to read the rules of the laboratory, sign a safety contract, and have a parent or guardian do the same before participating in laboratory work. The equipment should be handled carefully, and at no time should a lab station be left unattended. You are financially responsible for any broken equipment! If behavior in lab becomes a problem, students may be required to forfeit the lab grade and not participate in a lab activity.

Above all, you are here to learn chemistry, and I am here to help you learn. Any behavior that interferes with these goals is inappropriate. Please respect your own and others rights' to learn!



Cleanliness: The classroom and laboratory are your responsibility to maintain. Please respect the work that the custodial staff does in this room, and do your part to keep it clean by not writing on desks or throwing litter on the floor, and always clean up your lab station when you are finished. This includes common areas of the lab as well.

Detentions: Should a detention be given for tardiness, or behavior problems...etc., it will be served in my classroom. You may not be late for a detention or you will receive two...etc.

Office Hours: I welcome the chance to meet with you on an individual basis. If you find you are having difficulty, please let me know and we can set up a time to work.

Late Work: I will accept some late work, but not for full credit. Late work will be worth a maximum of 80% of the total possible points for the assignment. Late work will not be accepted beyond one week after the due date for the assignment, or when I return the graded assignment to the rest of the class, whichever occurs first.

WELCOME TO CHEMISTRY!!

Here are the goals we work towards throughout high school science, and in chemistry specifically. The chemistry targets are things you should be able to do by the end of this school year. All activities and assessments are based on these targets.

Process Targets All Science

Problem Solving

I can recognize multiple ways to solve a problem.

I can judge which problem solving method will be more effective.

I can identify flaws in the scientific method.

Experimental Design

I can design an experiment that will provide data to solve a problem.

I can isolate one variable in a complex system and manipulate that variable.

I can identify controls in a complex systems experiment.

I can identify constants in an experiment.

Gathering Data

I can organize a variety of data.

I can choose the most concise and effective means of representing data.

I can balance trusting data with questioning data that does not make sense.

I can adapt to using a wide variety of observation and measurement tools.

I can identify and follow the necessary safety precautions to complete a lab.

I can set up and use a variety of Lab Pro probes to collect data.

Interpretation of Data

I can create and use a graph with multiple trend lines.

I can extrapolate future trends from my data.

I can isolate descriptions of data from inferences of that data.

Communicate Results

I can use quantitative and qualitative means to support conclusions drawn from data.

I can share results of my experiment concisely through a variety of means to appropriate audiences.

Real World Applications

I can recognize the connection of scientific concepts to current events and trends in daily life.

I can connect distinct aspects of what I am learning to complex global scientific issues.

Chemistry Content Targets

- I can express a chemical or nuclear reaction in words or by writing a balanced equation.
- I can visualize matter using pictures and words.
 - compounds, elements, mixtures, solids, liquids, gases
- I understand the differences between a chemical change and a physical change and I can recognize them.
- I can predict amounts used or made in a chemical reaction.
- I can explain the differences between elements in terms of atomic structure.
- I can predict shape and chemical properties of a substance by drawing molecular structures.
- I can describe the behavior of gases in words, pictures, and equations.
- I can describe the nature of a solution using words, pictures, and equations.
- I can predict the products of chemical reactions.
- I understand the structure of the Periodic table and can use it to find information.
- I understand the concept of the mole and can apply its use in calculations.