

Classroom Guidelines and Expectations

Course Description:

This course is designed for those students who want a physical science class that is both practical and theoretical. The course of study is designed to cover the basic concepts of chemistry on a descriptive and quantitative level. Laboratory activities will be used to illustrate the important ideas. This course is designed to equip students with the background to understand how chemistry fits into everyday living.

Alignment to Next Generation Science Standards:

Understands and applies knowledge of: the structure of atoms, the structure and properties of matter, chemical reactions, conservation of energy, and interactions of energy and matter

Standards:

- Use the periodic table as a model to predict the relative properties of elements
- Construct and revise an explanation...simple chemical reactions based upon the outermost electrons, periodic trends, and chemical properties
- Plan and conduct an investigation...compare the structure of substances at the bulk scale...infer electrical forces
- Use mathematical evidence that atoms (mass) are conserved during a chemical reaction
- Develop models to illustrate changes in the nucleus...during fission, fusion and radioactive decay

Assessments:

Quiz Throughout a unit 1-3 benchmark quizzes will be given to assess student learning. They must be taken on the arranged date. Make-up quizzes will be given to those with an excused absence. **Cheating will not be tolerated and students will receive zeroes.**

Each quiz is **typically** worth 20 points. If you score 85% or higher on the quiz, it will go in as 100% in the grade book. You have until the unit exam to make up your quiz. It is **YOUR** responsibility to schedule a time to make the quiz up. **Quizzes will not be made-up during class time...you will need to schedule a time to come in and complete the quiz.**

Test Tests will be given at the end of each unit. At the end of each semester, there will be a semester exam, which will be cumulative of the semester. Second semester final will consist of a national standardized test that will encompass material from **the entire school year**. Tests must be taken on the arranged date and can only be made by those with an excused absence. **Cheating will not be tolerated and students will receive zeroes.** If you miss a test, you have TWO WEEKS from the original test date to make up your test. Failure to do so will result in a zero being entered as the grade.

Lab/Project Labs and projects must be neat and legible. Labs MUST be written in your lab notebook IN PEN. **You may be in groups for labs, but you are responsible for answering the pre-lab and post-lab questions INDEPENDENTLY!** Lab partners will be assigned at the beginning of each class. If you are absent on the day of the lab, you must schedule a time to come in before or after school to make up the lab. You have until the day of the unit exam to make up the lab. If the lab is not made up, a zero will remain in the gradebook.

Content to Be Covered:

Unit 0: Introduction to the Methods of Chemistry
Unit 1: Atomic Structure
Unit 2: Electron Behavior
Unit 3: Periodic Groups and Trends
Unit 4: Ionic Compounds
Unit 5: Covalent Compounds
Unit 6: Chemical Equations and Reactions

Unit 7: Stoichiometry
Unit 8: Thermochemistry
Unit 9: Molarity
Unit 10: Reaction Rate and Equilibrium
Unit 11: Nuclear
Unit 12: Acids and Bases
Unit 13: Gas Laws

Instructional Strategies:

- Benchmark Quizzes
- Student-Centered Activities
- Descriptive Feedback
- Lecture/Presentation
- Individual/Group Discussion
- Rubrics for Labs and Projects

Resources:

Chemistry; Wilbraham, Staley, Matta, and Waterman; Pearson Education-Prentice Hall, Inc. 2008.

Times to Meet with Ms. Allee:

- Before school (B242)
- 2nd Hour (located in office between B241 and B237)
- D Study (B242)
- After school (B242)

Expectations for Your Success:

Attendance: Attendance is critical in the science classroom due to the regular use of labs. If you miss a lab day, you will need to arrange a time to make the lab up. It is YOUR responsibility to find out what you may have missed while you were absent (assignments, notes).

7 unexcused or 10 total absences can result in your removal from class

Tardies: Every student is expected to be in the classroom when the bell rings. Become familiar with the tardy policy in your student handbook – it will be enforced.

7 tardies can result in your removal from class

Assignments: Assignments will be given on a daily basis. You will be responsible for following directions and completing them on time. **You will NOT receive credit for homework or in class assignments.**
(Homework/ Classwork) Homework will be handed out; it is ultimately your choice whether you complete it. If you complete the assignment, a score will be placed in the grade book. **Completing the homework WILL benefit you in the long run. Do NOT think you do not have any responsibility in this class, your test and quiz grades will be a direct reflection of the work you do on your homework!**

Rules:

- 1.) Food and drink are not permitted in the classroom (except for water).
- 2.) **RESPECT EVERYONE AND THEIR BELONGINGS!**
- 3.) Remain in your seat until the bell rings to signal the end of class.
- 4.) Follow directions the first time.
- 5.) Complete your own work. **Cheating results in an automatic ZERO. You will not receive any warnings**
- 6.) **Check your language:** this means no swearing or use of derogatory language. You need to remain professional at all times...this includes when speaking in the classroom and when completing lab reports and other assignments.
- 7.) SAFETY FIRST AT ALL TIMES. If you don't understand, ASK!

Materials: **You are responsible for bringing the following to each class:**

1. Assignment Notebook
2. Notebook (paper)
3. **PEN/PENCIL**
4. Composition Notebook for Labs (this will be kept in the classroom)
5. Completed Assignments
6. **CALCULATOR**
7. Folder/Binder

Grading Plan:

A point system will be used to determine your grade. There are several ways to accumulate points, such as tests, quizzes, labs, and projects. The total points will then be converted to a percentage, which will determine your grade.

93% and above	A	73-77%	C
90-92%	A-	70-72%	C-
87-89%	B+	67-69%	D+
83-86%	B	63-67%	D
80-82%	B-	60-62%	D-
77-79%	C+	Below 60%	F

Communication Plan:

PowerSchool will be updated weekly and scoresheets will be posted in the classroom.

Emails will also be sent home if absences/tardies become habitual or a student seems to be struggling with class.

Syllabus and Grading System are subject to change

Student Name: _____

Parent/Guardian Name(s): _____

Parent/Guardian Email(s): _____

By signing this form, you verify that you have read and understand the expectations that you are to uphold when in the science classroom. You also verify that you understand the protocol that will be taken if these rules are not followed.

Student Signature

Date

Parent/Guardian Signature

Date