

## Classroom Guidelines and Expectations

### Course Description:

This course is designed for the academically advanced students who desires a comprehensive background in chemistry to assist in future science studies. The course of study is designed to cover material in a quantitative, theoretical manner. There is an emphasis on problem solving techniques and laboratory investigations are used to explore important concepts and material

### 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.**

**Lab/Project** Labs and projects are expected to be neat and legible. They **MUST** be written in your lab notebook. ***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.

### Content to Be Covered:

Unit 0: Introduction to the Methods of Chemistry  
Unit 1: Atomic Structure  
Unit 2: Electrons and Periodic Behavior  
Unit 3: Ionic Bonding  
Unit 4: Covalent Bonding and Molecular Structure  
Unit 5: Conservation of Matter  
Unit 6: Stoichiometry  
Unit 7: Gases  
Unit 8: Solids, Liquids, and Solutions  
Unit 9: Kinetics and Thermodynamics

### Instructional Strategies:

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

### Resources:

Textbook: Chemistry: Matter and Change

Website: <http://chemistrygates.weebly.com>

Times to Meet with Mr. Gates:

- Before school (B241)
- 1<sup>st</sup> Hour (located in office between B241 and B237)
- A Study (B241)
- After school (B241)

### 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 mark of completion 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 be sent home approximately a week before a test.

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\***

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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