



# PIPER HIGH SCHOOL




## COURSE SYLLABUS

### *“The Year of the Classroom”*

Instructor's Name:	<b>Asheik Mohamed</b>
Course Title:	<b>Chemistry I/ Chemistry honors</b>
Course Location:	Piper High School, room B-157
Contact Information:	<i>Feel free to contact me for any reason.</i> Phone: 582- 3082 Email: asheik.mohamed@browardschools.com
Availability:	Best <b>method</b> to reach me is <b>email</b> , I check it regularly. <i>Please include the student's name on the subject line.</i>  Best <b>time</b> to reach me by phone is: <i>Weekdays before and after school.</i>
Course Materials:	<ul style="list-style-type: none"><li>• Modern Chemistry textbooks</li><li>• Blue or black ink pens (color optional).</li><li>• Scientific Calculator</li><li>• Binder and loose leaf papers</li><li>• #2 Pencils for assessments, graphs, and labs.</li></ul>
Electronic Resources:	<b><i>BEEP, Pinnacle Gradebook:</i></b> <i>It is recommended that you (student and parent) check Pinnacle <b>regularly</b> for attendance and grades.</i>
Objectives:	Students will learn principles and applications of chemistry including properties of reactions and substances, atomic structure and bonding, nuclear chemistry, thermo chemistry, electrochemistry, periodic properties of elements and compounds, and other various topics.

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**Assignments/Schedule:** Notice not all chapters nor sections will be covered

## FIRST QUARTER

### Chapter 1 – Matter and Change

1. Chemistry is a Physical Science
2. Matter and Its Properties
3. Elements

### Chapter 2- Measurement

1. Scientific Method
2. Units of Measurement
3. Using Scientific Measurements

### Chapter 3-Atoms: The Building

#### Block of Matter

1. Atomic Theory
2. Atomic Structure
3. Counting Atoms

### Chapter 4 –Arrangement of

#### Electrons in Atoms

1. Atomic Model
2. Electron Configuration

## SECOND QUARTER

### Chapter 21 – Nuclear Chemistry

1. The nucleus
2. Radioactive Decay
3. Nuclear Radiation
4. Nuclear Fission and Nuclear Fusion

### Chapter 5 – The Periodic Law

1. History of Periodic Table
2. Electron configuration with the Periodic Table
3. Electron Configuration and Periodic Properties

## THIRD QUARTER

### Chapter 6 – Chemical Bonding

1. Introduction to Chemical Bonding
2. Covalent Bonding and Molecular Compounds
3. Ionic Bonding and Ionic Compounds
4. Intermolecular Forces

### Chapter 7 – Chemical Formula and Chemical Compounds

1. Chemical Names and Formulas
2. Percent Composition
3. Using Chemical Formulas

### Chapter 8 – Chemical Equations and Reactions

1. Describing Chemical Reactions
2. Type of Chemical Reactions

## FOURTH QUARTER

### Chapter 9 –Stoichiometry

1. Introduction to Stoichiometry
2. Ideal Stoichiometric Calculation
3. Limiting Reactants and Percentage Yield

### Chapter 10 – States of Matter

1. Kinetic Theory of Matter
2. Liquids
3. Solids
4. Change of State

### **Class Work and Homework Policy:**

Students are expected to keep up with the material by *reading at home*. Homework is given *often* and usually consists of section assessments.

Due dates are announced in class and noted in Pinnacle gradebook. Check Pinnacle often.

See **late work** criteria below.

### **Quizzes:**

Quizzes are given regularly and include new material as well as material from the past. At the end of the school year, students will be taking a FINAL EXAM. The exam is **cumulative**, so retaining information is necessary.

### **Tests:**

A test will be given after every two quizzes (or sooner if it is a short chapter). Tests will be announced in class and on Pinnacle gradebook. Tests can be multiple choice, fill in the blank, free response, etc.

### **Late Work:**

If a student is absent, he/she may turn in late work up to **48 school hours** after returning to school. After 48 hours, it will NOT be accepted.

It is the **student's responsibility** to ask for late work and to check pinnacle regularly to see what he/she has missed.

If a student is absent on the day of an **exam** (quiz/test), the student has **48 hours** to make up that exam. *Exams can be made before school or during class time.*

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**Class Rules:**

The school discipline guidelines will be followed including calls home, detentions and/or administrative referrals.

1. Come to class prepared with supplies and completed assignments.
2. Be on time, in your assigned seat, with work on your desk.
3. Tardiness is a disruption to the entire class & will not be tolerated; as per school policy: 3<sup>rd</sup> tardy = detention, 4<sup>th</sup> tardy= referral.
4. Broward County School dress code will be enforced in class at ALL times.
5. No talking unless you are called on.
6. Remain in your seat at **all** times.
7. **RESPECT** the teacher, your classmates, and yourself.
8. **LISTEN** to and follow all directions the *first* time they are given.
9. Keep all personal belongings, including book bags and purses, under the desk or on the floor.
10. Absolutely **NO** eating or drinking in class. You may bring a water bottle that contains a **lid**.

**Weighting of Assignments:**

TEST	35%
QUIZZES	25%
HOMEWORK	
CLASSWORK	20%
LAB REPORTS	20%
TOTAL	100%

**Grading Scale:**

*Broward County's Grading Scale*

90 – 100 = A
80 - 89 = B
70 - 79 = C
60 - 69 = D
59 and below = F

**Academic Honesty:**

*As a student of Piper High School I vow to not plagiarize and to never give or receive assistance on assessments.*

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Attendance:

All students will follow the guidelines set forth by Broward County Public Schools, the Code of Student Conduct Handbook, and Piper's attendance policy.

Cell phones :

Prior to the start of class, students must turn their cell phones **off** to avoid unnecessary classroom disruptions.

Cell phones must remain off until the **end** of class.

Violation of these rules will result in confiscation of cell phone, detention, and/or referrals.

Phones and any unapproved electronic devices are not permitted in class. If seen, they will be confiscated and given to administration. Parents will have to pick up devices.

This page must be returned to your SCIENCE teacher by the first week of school.  
Keep the other pages of your syllabus as a reference.

\_\_\_\_\_  
*Student Name*

\_\_\_\_\_  
*Student ID #*

\_\_\_\_\_  
*Period*

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# PIPER HIGH SCHOOL

This page must be returned to your **SCIENCE** teacher by the first week of school.  
Keep the other pages of your syllabus as a reference.

## Syllabus Confirmation Page

I \_\_\_\_\_ (*CLEARLY print **student** name*) have read through and discussed this course syllabus with my teacher today in class. I understand what exactly is expected of me in this class and what my responsibilities are for this semester. I know and understand what the academic policies and procedures that I am to follow are. I am aware of and understand how I am going to be evaluated and assessed in this course and how my final grade will be calculated. I am aware of and understand that tardiness is not tolerated and can negatively affect my class grade. I know that if I need extra help or have concerns I should speak with my teacher as soon as possible.

Student Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Parent Signature: \_\_\_\_\_

Date: \_\_\_\_\_

*How can we contact you? Please write below:*


Student Email Address: \_\_\_\_\_ @ \_\_\_\_\_

Parent Email Address: \_\_\_\_\_ @ \_\_\_\_\_

Parent Phone Number: \_\_\_\_\_

**Safety in Science  
Student Laboratory Contract**

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*I have been instructed in the necessary safety procedures required in this course. I agree to abide by the following guidelines:*

1. Safety apparel will be worn when specified by the instructor.
2. Long or loose hair will be tied back. Excessively loose clothing or jewelry will not be worn.
3. All safety rules and regulations will be followed.
4. There will be no drinking or eating in the laboratory.
5. Experiments will be done in the specified order with the prescribed quantities of chemicals.
6. Only the chemicals specified by the teacher will be used. No unauthorized experimentation will be done.
7. The proper use of safety equipment and correct evacuation procedures will be followed.
8. Wash hands thoroughly before beginning and after completing an experiment.
9. Contact lenses will not be worn during specified experiments.
10. Horseplay or other inappropriate behavior will not be tolerated during laboratory experiments.
11. Never taste chemicals or smell them directly.
12. Never pick up broken glass with bare hands.
13. Report all accidents, no matter how minor, to the teacher.
14. Never work without teacher supervision in the lab.
15. Do not remove any chemicals or equipment from the lab without the teacher's permission.

***Failure to follow these guidelines may result in reduction in grade, disciplinary action, and/or exclusion from laboratory activities.***

\_\_\_\_\_  
Student Name

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent Name

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Date

**Emergency Contact Information:**

Does student have any allergies?  Yes  No

If yes, please list: \_\_\_\_\_  
\_\_\_\_\_

	Mother/Guardian	Father/Guardian
Cell Number:		
Work Number:		
Home Number:		
Email:		

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