

# AP Chemistry 2022-2023

Hamilton High School

Mrs. Nipar

## Introduction

Welcome to AP chemistry! This is a challenging college level chemistry course intended to deepen your knowledge of chemistry. In this class, students will be consistently using critical thinking skills, writing, presentation skills, and collaborative learning as tools in learning chemistry. Below you will see my procedures for the virtual and in person classroom. Please read each section carefully, make sure you understand it and let me know if you have any questions.

## This is a college level course!!!!

This is not intended to scare you off, but you must be prepared to work very hard in AP chemistry. The course material is very challenging and homework will be assigned every period. Many students may need to come in after school or attend virtual office hours for help. I would encourage students to form study groups (this is very commonly done in college). The culminating activity of this course is the AP Chemistry test.

- ❖ This course is designed to prepare students for the AP exam in May 2021. This test will be the driving force for the curriculum taught throughout the year as well as the culminating activity for the year's lessons. Later in the course, information will be given regarding college credits that can be earned from a passing score on the AP test.

## Materials needed for AP Chemistry

### *Text*

The class text is *Chemistry 7<sup>th</sup> Edition* by Steven Zumdahl. The chapters for this book can be found on my website.

*Lab* – We will use OneNote for most lab and in class activities. Students will be invited to join the class notebook withing the first two weeks of class.

*Calculators* – A TI-83 plus or similar calculator is strongly recommended. A scientific calculator will also work. Students will be most successful if they bring their own calculator to use on a daily basis.

*Notebook* – A separate notebook for notes and handouts

### Dual Credit

College credit can be earned for this class via Chandler Gilbert Community College. The equivalent classes are CHM 151, CHM 151 Lab, CHM 152 and CHM 152 Lab. Each semester is worth 4 credits, with a total of 8 being earned for the entire year. Information will be given out shortly for how to register if interested. Registration will take place only at the beginning of the year.

### Class and Lab Rules

AP Chemistry is a lab class. Therefore, the class must be very organized to ensure the safety of all students. The class rules are as follows:

1. Follow all school rules including but not limited to no food, drink, or profanity in class.
2. Always follow directions.
3. Do not leave your seat without permission.
4. Raise your hand to ask a question or make a comment.
5. Begin working on the warm up when the bell rings.
6. Copying from another person's paper or notebook is never acceptable.
7. Do not talk when others are talking.

The rules for labs and activities are as follows:

1. Always follow directions. If you do not understand the directions, ask the teacher.
2. Stay at your assigned lab station at all times.

3. Absolutely no food, gum or beverages at the lab stations.
4. The student should pay for any lab equipment broken due to negligence.
5. Specific Chemistry Lab Rules will be discussed throughout the year.

The consequences for not following rules in the classroom or lab will vary. In most cases, a verbal warning will be given and documented. If the problem persists, students will be sent out of the room and parents contacted. If the problem continues, the student will be sent to the office for disciplinary action. In the case of serious first offenses, students may be sent directly out of the room or to the office.

#### Tardy/Attendance Policy (in person)

Students are expected to be their seats and ready to work when the bell rings.

Students will be assigned after school detention after 2 late arrivals.

Students may be dropped from the class after 9 absences.

#### Appropriate use of technology – board policy IJNDC-R:

The Governing Board intends that technological resources provided by the District be used in a safe responsible and proper manner in support of the instructional program and for the advancement of student learning. It is the policy of the Chandler Unified School District to maintain an environment that promotes ethical and responsible conduct in all electronic resource activities by staff and students. The District reserves the right to monitor use of the District's systems for improper use without warning or prior consent. Students shall be informed that computer files and electronic communications, including email, are not private and may be accessed by the District at any time. Inappropriate use may result in disciplinary action and/or legal action in accordance with the law and Board policy. Please visit the student handbook at <https://www.cusd80.com/handbooks> for further details about appropriate use of technology use.

## Grading Policy/Parent Portal Access

Student Assignment Calendars as well as other important class information will be made available on my website <https://www.cusd80.com/Domain/2155>. The Gradebook portal can be accessed by the following:

- Step 1: Enter Your Email Address that you provided to your child's school
- Step 2: Click Submit
- Step 3: Open the email from Campus No Reply  
- [campus@smtp2.cusd80.com](mailto:campus@smtp2.cusd80.com) (You may need to look in your spam or junk folder) and click on the link provided.
- Step 4: After clicking on the link from the above step, you will enter in a password and then click Create My Account.
- Step 5: Login to the parent portal with your new account.

Student grades will be determined by the following criteria:

Warm Ups Quizzes and Homework – 15%  
Labs – 25%  
Tests and Quizzes – 60%

**Grading Scale** – per district policy grades will assigned using the following percentages:

90 – 100%	A
80–89%	B
70–79%	C
60–69%	D
0–59%	F

In person class grading will consist of the following types of assignments.

**Warm ups** – These are small daily assignments that are to be done at the beginning of the period. They usually review concepts learned the class period before. Warm ups are graded for completeness and correctness and collected every two weeks.

**Homework** – Homework will be assigned every period. Homework calendars will be provided for a four-week period of time. Students should follow and complete the homework assignments for the beginning of the next class period. Homework will be graded in the following manner:

Each assignment will be worth 5 points, and points will be awarded according to the following criteria:

0 points – not attempted

1-4 points – attempted, actual number will be determined by the attempt

5 points – answered correctly, completely done

At the end of each chapter students will hand in a packet of homework assignments, these will be totaled and entered into the grade book as the homework for that chapter. No late homework will be accepted.

Homework is especially important in this course due to the fast pace of the content. Students will be expected to present homework problems to the class periodically throughout each quarter.

**Notes** – I will be posting videos for in class notes and examples. These will be posted on the homework calendar. Students should complete the notes as homework to prepare for class. Notes will be checked and students will receive 5 points homework credit for filling out notes.

**Labs** – Labs are an opportunity to reinforce concepts and make connections between macroscopic and microscopic environments. Labs are essential to developing critical thinking skills and therefore a big part of AP chemistry. All labs should be done in one lab notebook and completed in pen. Although labs are done in groups, all lab write-ups must be done individually. Any one found copying lab work will be considered cheating. If data must be shared, please let me know before hand so that I don't assume you are cheating. Lab format will be discussed before the first lab is due. All labs must be turned in on the date assigned. No late labs will be accepted.

**Tests** – Tests will be given at the end of a unit. All tests will be designed to mimic the style of the AP test taken at the end of the year. Students should use the book, notes, and homework assignments given during the unit to study for the test. Study sessions will be announced prior to each test. Students are encouraged to attend.

**Grades** – Assignments will be graded, recorded and handed back to students throughout the year. Tests and quizzes may not be taken home, but students will be permitted to see them in class. Grades can be checked on Infinite Campus and will be posted periodically in class. Parents will be formally notified of grades at progress report and report card time.

- ❖ Grades will be cumulative. The final exam will be worth 20% of the semester grade.

### Phone Policy

Cell phones are a great convenience in everyday life but can become a headache in the educational setting! If a phone goes off in class or a student is using a phone in class, the phone will be confiscated and taken to security. Subsequent occurrences may result in a referral written to the appropriate grade level administrator. Any students found using a phone during a test will receive a zero on the test.

### Late work and Make up work (In person)

Late homework will not be accepted. Any missing homework will be a zero.

Labs may not be turned in late.

Anytime a student is absent it is his/her responsibility to get make up work. This can be accomplished by meeting with me before or after school or getting a pass to meet during conference period. If a test or quiz is missed, the students should make plans to make up the test or quiz during the times mentioned above. According to the student handbook, students have as many days as they were absent to make up missing work.

## Labs

Mole Ratios of a chemical reaction

Molar Volume of a gas

The Synthesis of Alum

The Analysis of Alum

The Molar Mass of Butane

Changes of Enthalpy

Beer's Law

Evaporation and Intermolecular Forces

Reaction Kinetics

Conductimetric Titrations

Acid Base Titrations

K<sub>a</sub> of a weak acid

Find the Enthalpy of Candle Wax

Finding Cell Potential

Oxidation – Reduction Titration

## Diversity statement:

All individuals have a right to an educational environment free from bias, prejudice and bigotry. As members of the Hamilton High School educational community, students are expected to refrain from participation in acts of harassment that are designed to demean another student's race, gender, ethnicity, religious preference, disability or sexual orientation.

## Conclusion

Thank you for taking the time to read through this information. I hope I have successfully communicated with you the class policies that will be used throughout the next year. If you have any questions, please feel free to ask me or call me at Hamilton

High 883-5152 or email me at [nipar.debbie@cusd80.com](mailto:nipar.debbie@cusd80.com) or [nipar.debbie@gse.cusd80.com](mailto:nipar.debbie@gse.cusd80.com).

*Communication is more important than ever during this challenging time, please feel free to email or call if you have any concerns.*

Thank you,  
Debbie Nipar

*Please complete the google form link provided below to indicate that you have read and agree to these classroom policies and procedures!*

<https://forms.gle/i31idLsnNVrQGoyD6>