

West High AP Chemistry

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Course Description:

Welcome to AP Chemistry! The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

Course information will be obtained by the student from the exploration activities, lectures, laboratory activities, homework assignments, class discussions, teacher-guided review, and class meetings. After completion of this course, the student will demonstrate understanding of the following units:

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| 1. Chemistry Basics | 2. Atomic Structure and Periodic Trends | 3. Stoichiometry |
| 4. Gases | 5. Thermodynamics | 6. Bonding |
| 7. Solids and Liquids | 8. Solutions | 9. Kinetics |
| 10. Equilibrium | 11. Acids & Bases | 12. Applications of Aqueous Equilibria |
| 13. Electrochemistry | | |
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Learning Expectations

General Expectations:

1. Be kind.
2. Always do your best.
3. Be prepared to learn. (Be on time! Have a writing utensil, calculator, and assignment ready at the beginning of class)
4. Phones and Chromebooks are to be used **for learning purposes only**. They should be AWAY when we are not using them for an activity in class.

Offense

- 1=conference with teacher
- 2= phone call home
- 3=administrative referral

Student Deadlines for Work:

- Deadlines for work will be posted in the classroom, on Canvas, and in Infinite Campus
- If you find that you cannot meet the deadline for any reason, e-mail your teacher immediately to make alternative arrangements.

Students will be assessed using the following:

1. **Homework (10% of grade)** is given to practice, apply and review concepts. I will collect textbook assignments at the end of each unit and award completion points. During the unit it is imperative that all work is completed and corrected to ensure your success on tests and quizzes. **Late work will be accepted at no penalty up until the exam for a unit.**
2. **Labs (25% of grade)** are given to assess your work for accuracy and ability to calculate, label, analyze, and conclude on data accurately. Correct answers matter and quality matters on these assignments. You will keep a lab notebook (graph ruled) and be expected to follow lab and notebook guidelines.
3. **Quizzes and Tests (65%)** will be used to assess your understanding of the material. Quiz/Test dates will be communicated ahead of time. **If you are not able to take a test at the scheduled time, contact your teacher BEFORE to schedule a time that works. Failure to take a test at the assigned time or an unexcused absence on the test day, will result in reduced credit on the test, depending on the situation.** Opportunities for retake of quizzes and tests can be earned by scheduling a meeting with the teacher. Maximum score on a retake is 70%. **Cheating on quizzes or tests will result in a zero for that assessment and parents will be contacted.**
4. End-of-Trimester exams will be CUMULATIVE!

Materials and Devices:

Materials: You will need a chromebook and charger, a scientific calculator, periodic table, a designated lab notebook (graph ruled and bound), and a 3-ring binder (recommended)

Chemistry Textbook: *Chemistry* by Zumdahl, Zumdahl, and DeCoste, 10th edition.

Attendance:

Regular attendance is extremely important. **No grade will be given for work missed due to unexcused absences.** At 6 unexcused absences you may be dropped from the course (3 Tardies = 1 UA)

Tardy Policy: (If you are more than 5 minutes late, you will be marked absent.)

You will be considered tardy if you are not in your assigned seat when the bell rings.

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Make-up Work:

You are responsible for all materials, work, activities, labs, and discussions when absent. The excuse “I missed class that day” is not an acceptable reason to not be prepared. Always communicate with the teacher if you have missed a day of learning.

Here is what to do if you miss a class

1. Check Canvas. Often slides and/or lesson videos will be posted.
2. Ask the teacher if you are uncertain of what you are responsible for.
3. If you miss a lab, set up a time with the teacher to make up the lab ASAP! Labs must be made up within one week. After that, you will not be able to make up the lab.

Missed Test or Quiz?:

1. Be prepared to take your test/quiz the day you arrive or the day after at the latest.
 2. All missed tests/quizzes will be recorded as zeros until they are made up.
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Getting Help:

I like to help! I'm usually available before and after school for help. I'm also free periods 3 and 5. Stop in and we'll get things figured out.

Accommodations:

In accordance with the Iowa City Schools District: Section 504 of the Rehabilitation Act of 1973 is a federal civil rights law that prohibits discrimination based on disability in any program that receives federal funding. All schools in the Iowa City Community School District must comply with this law. Section 504 defines disability as a physical or mental impairment which substantially limits one or more major life activities. Under Section 504, schools must provide students with disabilities the accommodations needed to access and benefit from education equally with their peers.