



Legacy High School
 2701 West 136th Ave • Broomfield, CO 80023
 Office: (720) 972-6700 • Fax: (720) 972-6899
<http://www.legacy.adams12.org>



School Year	2017-2018	Teacher Name	Zach Jones
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Course Name	AP Chemistry
Course Description	Advanced Placement Chemistry is a course designed to prepare students for the AP Chemistry exam. The course covers the equivalent of one full year of college level General Chemistry. It is a rigorous math-based course, with a significant laboratory component. It is intended for students who are willing to commit considerable time to studying and completing assignments outside of class, and who have successfully completed a prior course in CP Chemistry. The primary goal of the course is for students to understand the principles of modern chemistry. We will expand upon topics learned in CP Chemistry such as bonding, stoichiometry, and reactions. We will study new topics such as kinetics, equilibrium, thermodynamics, and electrochemistry. Students will gain the ability to apply their understanding of Chemistry to the solution of mathematically based laboratory and textbook problems

Unit of Study	Grade Level Expectations/Content Standards	Approximate Time Spent or Percent of time Spent	Targeted Date of Assessment
Stoichiometry, Reactions	<ul style="list-style-type: none"> Matter has definite structure that determines characteristic physical and chemical properties Matter can change form through chemical or nuclear reactions abiding by the laws of conservation of mass and energy Atoms bond in different ways to form molecules and compounds that have definite properties Energy exists in many forms such as mechanical, chemical, electrical, radiant, thermal, and nuclear, that can be quantified and experimentally determined When energy changes form, it is neither created not destroyed; however, because some is necessarily lost as heat, the amount of energy available to do work decreases 	9 days (block)	8/29/17
Gas Laws, Reactions		12 days (block)	9/15/17
Thermodynamics		15 days (block)	10/6/17
Basic Equilibrium		19 days (block)	11/2/17
Equilibrium Applications		19 days (block)	12/7/17
Intermolecular Forces		6 days (block)	Final Exam – 12/20 & 12/22/17
Kinetics		20 days (skinny)	2/6/18 & 2/7/18
Electrochemistry		17 days (skinny)	3/6/18
Atomic Structure, Periodicity, Spectroscopy		16 days (skinny)	4/5/18

Grading Scale		Grade Percentages/Weights	
A	90-100	Formative -Problem Sets -Quizzes (inclass and lab quizzes)	30%
B	80-89	Summative (Tests)	70%
C	70-79		
D	60-69	*Weekly progress grades are posted at https://ic.adams12.org/campus/portal/adams12.isp	
F	59 or below		

Class Expectations

Missing or incomplete assignments/assessments for this course: Superintendent Policies 6280 Homework and 6281 Make-Up Work, will be followed for this course.



- Grades are based upon the demonstration of proficiency on units associated with a standard given during each formative or summative assessment. Formative grades in addition to summative unit assessments will be used to holistically determine your grade.
- **Summative: 70%** Summative measures of achievement are taken when unit mastery is expected. (i.e., unit tests, culmination of a project, embedded assessments, etc.)
- **Formative: 30%** Formative assessments measure the scaffolding skills and/or content embedded in the unit. Formative assessments are taken frequently, after a student has practiced a skill or become familiar with content. Examples of formative assessments include but are not limited to exit tickets, paragraphs, oral check for understanding, warm-ups, quizzes, stages in a large project, etc.
- Assessments will be graded based on teacher/district/state rubrics.
- On group projects, students will receive a grade for individual work and a group grade.
- Grades are based on achievement of Content Standards and Grade Level Expectations.

Student Expectations

Grading Policy	Tests and quizzes are graded in a manner consistent with the grading practices of the College Board as they relate to AP Chemistry. Homework is graded according to the rubric at the end of this document.
Testing Policy	<p><i>Retake tests</i> – Unlike CP Chemistry, most tests in this course cannot be retaken. To ease your transition to the expectations of this course, the first unit test has a retake option. All other tests <u>cannot be retaken</u>.</p> <p><i>Content of tests</i> – <u>All tests are considered cumulative</u>. While a test may be primarily focused on learning from that unit, we will often include learning from previous units or from CP Chemistry. You are expected to complete the assigned readings in the textbook. Certain test content will not be covered in class. Lastly, students that take tests late might not receive the same test as those that took the test on test day.</p>
Assignments and Late Work Policy	Homework needs to be completed on time. While I may occasionally collect classwork randomly, most assignments due dates are on the class calendar. You should check the course website to know when assignments are due. <u>No late assignments</u> will be accepted without getting approval before the day they are due. In the event of an excused absence, the district policy will apply.
Absence Policy	Make plans to limit the number of times that you miss class. You are expected to make up any work missed because of an absence. <u>You are responsible to request the make-up assignment(s) outside of class time</u> . If you miss a day, plan time outside of class to get caught up. You will have the number of days absent plus one additional day to make up missed work for an excused absence. Make up work will be provided upon request for a student who has been absent. Students are eligible to receive full credit for make up work completed and submitted by dates and times established in this policy or as may otherwise be arranged with the teacher and/or administrator. Credit may be denied for makeup work completed after the designated deadline.
Tardy Policy	Students are expected to be on time to every class every day. Beginning each semester, if tardy: <ul style="list-style-type: none"> • 1st-3rd: verbal warning by teacher and parent contact on 3rd. • 4th teacher will speak with parent/guardian • 5th 30 minute after school detention served with the teacher in the classroom. Teacher will speak to parent/guardian again.
Student Integrity Oath	<i>I agree to conduct myself with integrity in all regards. I commit to presenting my own work, writing, words, and ideas at all times, unless otherwise attributed. In addition, I will not copy, use communication devices during tests, post assessments for public access, falsely identify myself, or use inappropriate materials. Engaging in any of these activities represents a breach of this oath and subjects me to the disciplinary code of Legacy High School and the Adams 12 Five Star School District. It is my honest intention to uphold this oath.</i>
Plagiarism/Cheating Policy	<p>Plagiarism means to present, as one's own, the work, writing, words, ideas, or computer information of someone else. (Sources could be published or unpublished.) Cheating is supplying answers, receiving answers, or using unapproved assistive devices. (Examples: looking at or using someone else's work, using crib notes/stolen notes, or using disallowed equipment, etc.)</p> <p>Consequences for plagiarism and cheating are as follows: Matrix for Plagiarism/Cheating (covers all classes, lasts all year)</p> <ul style="list-style-type: none"> ▪ 1st – 0 on the assignment, teacher calls home and referral ▪ 2nd – 0 on the assignment, 1 day suspension, parent/teacher conference, referral ▪ 3rd – 0 on the assignment, 2 days suspension ▪ 4th – 0 on the assignment, referral to District Discipline Hearing
General Expectations	



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Guidelines for Problem Sets

Working problems is a vital component to success in AP Chemistry. Our goal is to practice problems with a curious mind and to be open to new challenges. Many of the concepts in this course are difficult, and allowing yourself the freedom to make mistakes is important. With this approach in mind, the problems will be graded in the following manner:

In class and homework sets (worked from the text or worksheets): Generally, these problems are being done when we are just learning new concepts. Frequently the answers are made available to you, so neatly showing work is the key to demonstrating effort and understanding.

Webassign problems: This portion of the grade is based on the number of questions answered correctly in the assignment. Students are encouraged to seek help with difficult problems. This is NOT a test or a quiz. Working with classmates is still encouraged, but be sure to focus on the learning and not just the answer.