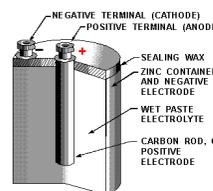


**Redlands High School**  
 840 E. Citrus Avenue  
 Redlands, CA 92374  
 (909) 307-5500



## AP Chemistry Curriculum Paper

**Mr. Fry** | e-mail: matt\_fry@redlands.k12.ca.us  
 Room 32 | Phone: (909) 307-5500 ext. 30332

**Introduction:** AP Chemistry is comparable to a first-year college course in chemistry and concentrates on chemical principles, calculations, and problem-solving. The course is a rigorous math-based course, with a considerable laboratory component. Students taking AP Chemistry should have already successfully completed a first year of high school chemistry.

AP Chemistry requires students to commit considerable time to studying and completing assignments outside of class. Students should expect extensive lab work requiring in-depth analysis and report preparation. A primary objective of the course is passing the AP Chemistry exam in May 2018, therefore considerable emphasis will be placed test preparation.

**Instructional Materials:** The textbooks for the class are Chemistry: The Central Science, 12<sup>th</sup> Edition, AP by Brown, LeMay, et al. and Chemistry, 10<sup>th</sup> Edition, AP by Steven S. Zumdahl et al. (2018). In addition, the class will use laboratories assigned by the instructor, reference handbooks, audio-visual materials, web-based materials, and the necessary lab equipment to perform experiments. Textbooks must be covered to reduce wear and damage. Required materials are available for students if needed.

Much of the required material for the class, including class notes, worksheets, study guides, practice tests and lab handouts, is available at the instructor's web-site. Students lacking internet access at home may use computers in the library or career center to access the online course materials.

**Recommended Materials:**

Graphing Calculator	Black Pens (for labs)	Pencils
Notebook Paper (College Ruled)	Dedicated 3-Ring Notebook	Highlighters

**Student Evaluation:** Grades will be determined based on the quality of assigned work and examinations. The RHS Science Department grade percentages listed at right will be used. Grades will be posted online and may be accessed by using the school's Parent Portal system.

Science Department Grade Scale
100 - 92 = A
91 - 90 = A-
89 - 88 = B+
87 - 82 = B
81 - 80 = B-
79 - 78 = C+
77 - 72 = C
71 - 70 = C-
69 - 68 = D+
67 - 62 = D
61 - 60 = D-
59 - 00 = F

**Absences:** It cannot be overstated that your student's attendance has a considerable effect on their grade. Tardy students must have a pass, otherwise they will be sent to Terrier Detainment. Punctuality is an important behavior they must learn. Please emphasize to your student that they must be on time to class each day and prepared to work.

Excluding assignments missed due to excused absences, no late work will be accepted. Students are responsible for all homework, quizzes, or tests missed during their absence. Adherence to the Redlands School Board policy regarding make-up work will be strictly followed.

**Classroom Distractions:** Cell phones are a continuing problem and impediment to your student's meaningful participation in class. Students will be asked to use electronic devices appropriately at all times. I have an open restroom policy and students are allowed to step outside with the pass to address emergencies situations via their cell phone. They are not, however, allowed to have them out during class unless expressly given permission. Violations of this policy will result in a loss of participation points. Continued violations will result in the cell phone being confiscated and returned at the instructor's convenience.

**Safety:** This class is offered in a functioning laboratory. Every effort is made to ensure the safety of students. A Safety Contract and Safety Test must be completed by each student before students are allowed to start lab work.

**Conference Period:** If a question arises, you are encouraged to call RHS at (909) 307-5500, (ext. 30332) and leave a message with a telephone number where you can be reached. E-mail is a more reliable means of communication. I check my e-mail throughout the day and into the evening.

Sincerely,

Matthew Fry  
 Instructor

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**Please sign below, cut carefully at the dashed line above, and return to the teacher.**

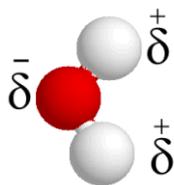
*I have read the above AP Chemistry Curriculum Paper and the Instructor's Policies on the back of this form. My signature below verifies that I understand and accept the course requirements and expectations.*

Student Name (Print): \_\_\_\_\_ Date: \_\_\_\_\_

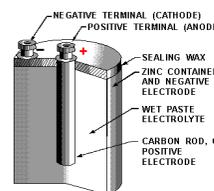
Student Signature: \_\_\_\_\_

Parent Name (Print): \_\_\_\_\_

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



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## AP Chemistry Grading Policies & Procedures

**General:** All work must be done as neatly as possible in pencil or black pen. Illegible or disorganized assignments may receive a reduced grade. Requirements for assignments will be explained and demonstrated in class.

Students are encouraged to maintain a dedicated (AP Chemistry-only) notebook (3-ring binder) containing all class notes, assignments, graded work, handouts, tests, and other material required by the instructor. This notebook will be the foundation for the student's preparation and review for the AP Chemistry exam.

**Homework Policy:** Homework will be assigned most weeknights and some weekends, (though I try to avoid assigning weekend homework). Students are expected to study lecture notes, read assigned material, and complete class assignments and laboratory reports. A successful student may expect to spend between 40–60 minutes each evening completing assignments and studying. Examination and laboratory preparation may require more than the normal nightly study time.

Homework assignments are graded pass/fail. To earn the grade for each assignment, students only need to complete the assignment to the best of their ability. If students are uncertain how to answer a question or complete a problem, they should do their best, but leaving problems blank will result in a zero score for that assignment. **Students must learn to confront their uncertainty and not give up when presented with challenges.** All assignments from a chapter will be compiled and turned in on the day of the chapter test for recording. A single homework grade will be calculated for that chapter. Lost or missing assignments will be scored zero.

**Laboratories:** All experiments are to be written according to the lab format paper distributed by the instructor. Each student must participate in each laboratory to fully reach the course objectives and to receive credit for laboratory reports. **Students arriving to class on a lab day without the pre-laboratory work completed will receive a reduced grade (-10%) for that lab.** Due to the length of some labs students may be asked to start specified labs before school or possibly work on labs during lunch. Students missing labs due to an excused absence must discuss the matter with the instructor. It will not be possible to make up some labs and alternative assignments may have to be made.

Lab reports are science's version of formal essays and should be written with the same care and commitment to quality that such papers are given in English classes. As such, lab reports are weighted more heavily in the overall grade than nightly homework.

**Examinations:** Tests and quizzes will focus on the student's ability to solve problems using critical thinking skills and concepts of chemistry. Final exams will be given at the end of first semester and just prior to the AP exam during second semester.

- Calculators and other materials are not to be shared during exams.
- Students will be subject to the *Redlands High School Advanced Placement/Honors Cheating Policy*.
- Students absent the day of a test (due to excused absences only) will make up the test the day the student returns from their absence.

**Participation:** Students are always expected to participate intelligently and positively in class activities and discussions. Participation points will be applied as extra credit. Points are initially applied to the Homework grade until it is 100%. When the Homework grade reaches 100%, any remaining points will be applied to the Tests & Quizzes grade until it reaches 100%. Remaining points beyond that are not applied to the grade.

1 participation point = 1 homework point *or* 10 participation points = 1 test point

If students complete their homework regularly and participate frequently in class, these points can raise their grade and compensate for difficulties they may have in testing.

**Grading Composite:** Each semester's final grade will be calculated based on the following.

Grade Category	
Tests/Quizzes	60%
Lab Reports	20%
Final Exam	10%
Homework	10%
Total	100%

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