HONORS CHEMISTRY
Mr. MAPPLEBECK

Honors Chemistry 1P & 2P Syllabus

COURSE DESCRIPTION

Honors Chemistry (college preparatory) is a two-semester course designed to meet the needs of students pursuing a science major in a University or College.

The course will meet the A-G requirements for the University of California and the California State University systems. To meet the **minimum** qualifications for these colleges, a grade of C or better must be achieved. The course is designed to help students who intend to be a science major attending a four year college and contains changes to reflect the incoming Next Generation Science Standards (NGSS).

The course encompasses the following big ideas: **1**. Elements are the fundamental building blocks of matter. **2**. Properties of materials can be explained by the arrangement of the atoms. **3**. Changes in matter involve the rearrangement of atoms or transfer of electrons. **4**. Rates of chemical reactions are determined be molecular collisions. **5**. The laws of thermodynamics describe the role of energy, which explains the direction of change in matter. **6**. Any bond that can be formed can be broken. These major areas will overlap to reemphasize and build a solid foundation.

The laboratory portion of the course will correlate with the instructional units rounding out the course.

Prerequisite for this course is Chemistry 1P & 2P with a grade of C or better completed prior to taking this course.

SAFETY REQUIREMENTS

The students enrolled in this course will, by necessity, be handling potentially dangerous chemicals as they conduct the various experiments in the program. It is necessary that all safety precautions involved in using such chemicals be observed. It is therefore essential that laboratory procedure be followed according to teacher instruction and that the dress code is adhered to.

Students should use common sense when handling chemicals and hot equipment including burners and glassware, and be knowledgeable of the location of safety equipment in the laboratory. Students should follow procedure for disposal of hazardous chemicals and always keep solid waste out of the sink.

EVALUATION

Lab Reports and Assignments	35%
Unit Exams and Quizzes	30%
Class Participation	5%
Final Exam (End of each Semester)	20%
Lab Quizzes	10%
	100%

Students and Parents have access to grades and missing assignments by logging on to:
Scusd.edu and following the links to the grade reporting system.

GRADING SCALE

To insure success for all students, the following modified grading scale will apply for all course assessments:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	<59%

TEXTBOOK

Houghton Mifflin Chemistry 7th ed. (Zumdahl)
In addition to this textbook, material will be supplemented or substituted on an on-going basis.

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ATTENDANCE

Regular attendance is absolutely necessary. Poor attendance will jeopardize your chance of obtaining credit. Attendance will be monitored closely. Your parents may be contacted by telephone or letter to discuss your absence and progress in the class. **You** are responsible for obtaining the notes, labs, handouts, and assignments missed during your absence. If you are absent on a test day you must make arrangements to write the test **immediately** upon your return by contacting the teacher as soon as possible. Tests that are not written within 5 days of returning to school will be issued a null score (zero). Special arrangements may be made for students that are on an excused extended absence (with administrative approval.)

HOMEWORK

It is imperative that all homework assignments be completed before returning to class. Homework will be checked regularly & a record of incomplete assignments will be kept. Points will be deducted for incomplete and late assignments. Your parents may be contacted when your homework is not done. All assignments should be completed in order to ensure that credit be obtained in the class. Students and parents may access daily homework by logging on to **www.wcscience.com** and clicking on the honors chemistry icon.

MATERIALS

Large ring binder, lined paper, a composition notebook, graph paper, pens, pencils, a white eraser, ruler, and a scientific calculator (**Texas Instruments 30X-A** or equivalent.) Safety goggles will be provided, however students may want to purchase their own for best fit.

LABORATORY DONATION

Honor Chemistry students are asked to donate $25 that will cover the cost of materials consumed in the laboratory. This amount covers the cost of items specific to the course and standards of chemistry and is non-refundable (even if the student decides to drop the class.) It does not cover the cost of additional activities (broken equipment or field trips.) If sufficient donations are not collected, certain activities will be cut from the course.

RULES AND EXPECTATIONS

- All labs and assignments are due on the specified date. Illnesses, with the proper documentation, will be the only allowed exceptions.
- The language of science can often be difficult. It is therefore **crucial** that assigned readings be completed, as they will help contribute to your knowledge of chemistry. Quizzes will be based on these readings and may be announced or unannounced.
- The bell indicates that classes are to start. Class will begin at the bell so you should be ready to work. It is your responsibility to find out what you missed outside of class time.
- Students that are tardy affect the learning of themselves and other students in the class. More than two tardies will result in the loss of class participation points. This includes students who must leave the class to comply with the dress code or to retrieve materials from their lockers.
- Please do not disrupt the learning of those around you.
- Recording of any kind is not permitted in class without the instructor's permission (Ed Code 66450-66452). This includes publishing of class materials and discussions.

EXTRA HELP

Your teacher will be available for extra help by appointment. My extension number is (277-6400) 1263 and my e-mail is: mapplebecks@scusd.edu **or** s_mapplebeck@yahoo.com.

I understand that my student(s) will be receiving safety instruction on how to use the safety equipment available in the laboratory and **I acknowledge that I have read this syllabus**.

Signed: _____ Please Print Name: _____

Student Signature: _____

Please Print Name: _____ Date: _____