

Chemistry Class Syllabus

2007-2008

Mr. Hollingworth

Room #308

Email: fhollingworth@acslp.orgWebsite: <http://www.hollingworthadventures.com/SchoolPages/MrHClass.html>**Text:**

Davis, R., Metcalfe, H.C., Williams, J., & Castka, J. (1999). *Modern Chemistry*. Holt, Rinehart, and Winston: Austin, TX.

Course Description:

This course will provide students with a basic knowledge of chemistry. It is designed to provide an excellent background for students who are interested in studying science in college. This class will include lecture, labs, tests and quizzes, homework, and class projects.

Rules and Expectations:

Materials Needed: Each student should bring the following items to class every day : <ul style="list-style-type: none"> • “Chemistry” Textbook • 3-Ring Binder • Notebook and Planner • Black Pen • Red Pen • Pencil 	Student Responsibilities <ol style="list-style-type: none"> 1. Be present and on time for class. 2. Be considerate of others. 3. Complete assigned work on time. 4. Do not bring food or drinks to class, except water. 5. Follow school guidelines. 6. Be responsible for your own success in class. 	Teacher Responsibilities Mr. Hollingworth will: <ol style="list-style-type: none"> 1. Treat every student fairly. 2. Treat every student with respect. 3. Work diligently to help students learn. 4. Follow school guidelines. 5. Have high expectations for every student. 6. Assist students in growing as people and in their understanding of the subject matter.
Grading Scale 90-100% A 80-90% B 70-80% C 60-70% D Below 60% F	Grades Will Be Weighted As Follows: Tests/ Quizzes/ Assessments 60% Homework / Projects/Lab 30% Non-Academic 10% ----- Total 100% <u>Sem 1:</u> Q1 (40%)+ Q2 (40%)+ Final Exam (20%)= Semester Grade <u>Sem 2:</u> Q3 (40%)+ Q4 (40%)+ Final Exam (20%)= Semester Grade	Non-Academic Grade: Students will be assessed in two areas and assigned a non-academic grade which will count for 10% of their quarter grade (as shown in the box to the left): Personal Timeliness- are they on-time regularly with materials? Behavior- do they regularly exhibit behavior that contributes to their success and to the success of other students in class?

<p>Homework Policy: Homework is due the date and time it is due. If not turned in on time, the student will have up to one week to complete the homework for HALF CREDIT. After one week, the student may turn in the homework assignment, but it will NOT count for credit. Homework from a student that had an excused absence must be turned in within the amount of time that they were absent from school to receive full credit. Homework without a name on it, or that is illegible, will NOT be graded and will thus receive a score of ZERO.</p>	<p>Test Policy: Tests and assessments must be completed in class the day they are given. If you are absent during test day, you must make it up within the amount of time that you were absent from school. You must also have an excused absence. If you do not make the test up within the required time with an excused absence, you will receive a ZERO for the test.</p>	<p>Tardy Policy: -Students must be in their seats ready to start class when the bell rings. -Students who are tardy will receive a teacher consequence appropriate to their infraction in accord with ACS policies as noted in the handbook.</p>
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Yearly Curriculum Map: Semester 1

Unit	Chapter(s)	Essential Questions:
Measurement Review Matter	1, 2	-What is matter? -What is the difference between a mixture and a compound? --How do we measure properties of matter? Which units do scientists use? --What is the process of scientific inquiry?
Atoms	3	-How does an atom's structure influence its properties? -How did scientists discover atomic structure and properties?
Quantum Theory and the Periodic Table	4, 5	--How are electrons arranged in atoms? --What trends exist among elements?
Chemical Bonding	6	-What is the difference between ionic and covalent compounds? --How do both types form? --How do metals bond? --How do bonds affect molecular geometry?
Naming Compounds and Writing Formulas	7	-How do we name compounds? --How do we write chemical equations for these compounds? -What varieties of compounds exist?

Yearly Curriculum Map: Semester 2

Unit	Chapter	Essential Questions:
Reaction Types and Equations	8	-How do we write reaction equations to conform with the law of conservation of matter? -How can we tell that a reaction has occurred?
Stoichiometry & Moles	9	-How can we count the atoms found in a particular substance?
Behavior of Gases	10, 11	-How are the properties of gasses affected by temperature and pressure?
Kinetic Theory of Matter	12, 17	-How does temperature affect mixtures and compounds?

Enrichment:

The following chapters may be covered this year based on the speed and mastery that each class shows of the material above.

Unit	Chapter	Essential Questions:
Acid-Base Reactions	15	-How do acids and bases interact in everyday life?
Oxidation-Reduction Reactions	19	-What are some typical redox reactions? -How are these important to us?
Organic Chemistry	20,21	-How to we name and determine the structure of carbon-based substances? -How are carbon-based substances important to us?

Academic Honesty and Personal Integrity

Personal integrity is expected of all students. It is your responsibility to conduct yourself in a manner that demonstrates respect for one's self, others, and the community at large. Honesty in word and deed is an expectation and a requirement. It is not possible to anticipate all potential breaches of personal integrity. However, you are urged to avoid conflicts stemming from cheating. Cheating is defined as:

- Copying another student's work during an examination or on homework
- Asking for or giving unauthorized assistance during any exam, paper, homework assignment, etc.
- Using written, verbal, or mechanical source(s) of information during an assessment without previous approval from the teacher
- Studying any copy of the current or previous assessments without authorization by the teacher
- To falsify information given in a written report, examination, or oral presentation
- To fail to follow specified instructions during an assessment

Any breaches of personal integrity outlined above, or possibly in other areas of individual behavior, will be considered a major infraction at the American Cooperative School and may result in the student receiving no credit for the paper, project, assessment, or course.

Plagiarism

Academic integrity requires that any ideas or materials taken from another source be fully acknowledged. Offering the work of someone else as one's own is plagiarism. This may range from isolated formulas, sentences, or paragraphs to entire articles or works copied from books, periodicals, the internet, speeches, or the writing of other students.

Parent Name (Printed): _____ Signature: _____

Student Name (Printed): _____ Signature: _____

Date: _____