Aloha High School Chemistry I Syllabus

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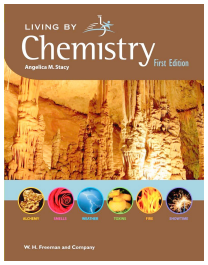

Book: *Living By Chemistry* (the book is available via the internet and will not be used daily)

Class website: http://chemteacherkaye.weebly.com/

Course Description: Chemistry I is an introductory course in high school chemistry that will focus on eight main learning targets. Semester 1 will cover periodic trends, atomic theory, and bonding. Semester 2 will focus on chemical reactions, energy & matter, equilibrium, and rates of reactions. The entire year will be building on two other learning targets: inquiry skills and engineering design. **Please see class website for a description of learning targets, class calendar, and documents.**

Required Materials:	**Suggested Additional Materials:**
• 1.5" or larger 3-Ring Binder with 3 Dividers • Loose Leaf College-Ruled Notebook Paper • Access to Google Drive (parents please sign permission form ASAP)	• Scientific Calculator (TI-30X II) • Flash Drive

Useful Additional Resource: Aloha High School Science Center

- Available during Access Tutorial, students can sign up with me to get help in the Science Center from a teacher and a staff of student tutors.
- All course announcements, notes, handouts, learning targets and homework that will be assigned can be found at: http://chemteacherkaye.weebly.com/

Beaverton School District Proficiency Grading Guide

http://goo.gl/w5jcrr

Proficiency Based Assessment

This course's content, like many courses', is broken into "academic learning targets" or key ideas that are important to students' understanding of chemistry. *Your grade will be based on your mastery of each learning target for this course.* Each Academic Learning Target ("ALT") is broken down into several Supporting Targets ("ST") that are assessed through tests, experiments, and engineering projects on a 4-point scale:

- 3.4 - 4.0 = **A** = Highly Proficient
- 2.7 - 3.4 = **B** = Proficient
- 2.0 - 2.7 = **C** = Minimally Proficient
- 1.6 - 2.0 = **D** = Nearly Meets Proficiency
- 0.0 - 1.6 = **F** = Does Not Meet Proficiency

Learning Targets Scores

- Learning targets will be assessed using tests, written work (such as lab reports or essays), coursework (daily assigned problems or worksheets), engineering projects, presentations, and/or other creative means.
- **Late Work:** Graded assignments will be returned one week (or three classes) after it is due. Once an assignment is graded and handed back to the class, individual student work will no longer be accepted for credit although feedback may be given.
- **Absences:** If a test day is missed by a student then the student is required to take the test in the first tutorial after their absence. The student is welcome to take the test before their absence. It is the student's responsibility to remind the teacher about their need to test.

Class Expectations and Behavior:
-Students will come to class prepared to learn
-Students will respect other students and the teacher
-Students will stay on task in class
-Students will help shape a positive environment
-Food and drink are not allowed in the chemistry classroom for safety and public health reasons
-Students will follow all safety rules of our science lab or will be removed from the classroom

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Parents/Guardians

Our best line of communication is through your child. Please encourage them to approach us with any questions or concerns. You may also reach me at the above contact information. We look forward to a great year working with you and your child.

At times we might send out reminders or information through email. Please make sure to update your email address with the school to open up better lines of communication.

Also, students have the opportunity to share and collaborate using Google Drive in the chemistry classroom, if you haven't signed the permission form for your student to use Google, please do so to take full advantage of this class' learning.

I look forward to this year and working with your student.

Mrs. Kaye Schmidt

Chemistry I Academic Learning Targets

ALT 1: I can use properties of matter to organize and explain the patterns of the periodic table and use the periodic table to predict properties of matter.

ALT 2: I can use models to describe how changes in the internal structure of the atom (protons, neutrons, and electrons) determine the properties and identity of the atom.

ALT 3: I can relate the patterns in the properties of substances with the strength of the forces between particles (bonding to intermolecular forces).

ALT 4: I can predict the products of a chemical reaction and use chemical equations to solve a real world problem.

ALT 5: I can demonstrate that energy transfers between particles during physical and chemical changes.

ALT 6: I can predict how changing the conditions of a chemical reaction affect the rate of a reaction and the amount of products formed.

ALT 7: I can use the inquiry process as a controlled and data-driven means to investigate scientific questions.

ALT 8: I can use the engineering design process as an iterative and productive means of problem solving.