

# Chemistry Prep

## Syllabus for 2015-2016

### Santa Monica High School

*Teacher:* Ms. Johnson  
*e-mail:* [bjohnson@smmusd.org](mailto:bjohnson@smmusd.org)  
*Phone:* 310) 395-3204 ext. 71217  
*Office Hours:* I am available at lunch Monday- Thursday, or by appointment  
*Web Page:* <http://chemistrylove.wix.com/msjohnson>

**Students are responsible for checking the course web site regularly.  
All course materials can be downloaded from the website.**

## Class Goals:

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Throughout the course I will provide students for learning goals for each unit (skills that they should master during the course). The following list outlines the class goals that will apply throughout the year.

- Students will develop critical thinking skills to solve complex problems.
- Students will take multiple steps to approach a problem.
- Students will use multiple ways to communicate their findings with the peers.
- Students will collaborate with their peers to solve problems.

## Recommended Materials:

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- 1) Textbook: Modern Chemistry, Holt, Rinehart and Winston, 1999
- 2) Calculator (please bring your calculator to every class). Note: For tests, if you do not bring a calculator you must “rent” one from the teacher, on a first come first serve basis. There will be no sharing of calculators during tests/quizzes.
- 3) 3 ring Binder with paper
- 4) Pen/pencil with eraser
- 5) Students should keep all assignments until the end of the semester (for review and in case of grade disputes)

## Expectation of Students:

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Students are expected to follow all classroom rules and procedures as well as the school wide policies for behavior. The five main criteria for acceptable behavior are the following.

- 1) **Be on Time.**
  - a. All assignments are due at the beginning of class. If you are late to class, then any assignments due that day are also late.
- 2) **Come to class with all required materials.**
  - a. Have homework ready to turn in at the beginning of class.
  - b. Have your calculator on tests and quiz days.
- 3) **Work throughout the entire period.**
  - a. Chemistry is a difficult subject that requires students to think critically and to utilize problem-solving skills. I do not expect students to have mastery level skills from the beginning, rather I expect students to work hard and to put their best effort into trying and solving problems.
  - b. Use class time efficiently
  - c. Help others, and seek out help! Chemistry is learned best though collaboration.
- 4) **Be respectful.**
  - a. Be respectful towards your peers, teachers, and the classroom materials and lab equipment.
  - b. Cell phones must be turned off and put away during the entire period, or they will be confiscated.
- 5) **Follow Safety Rules.**
  - a. Read the safety rules and follow these rules at all times. Ensure that these rules have been reviewed and signed by both you and your parent/guardian.

## Classroom Policies:

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- Homework Assignments
  - Homework will be assigned daily.
  - Come in and get help if you are struggling.
  - I strongly suggest that you circle any problems that you get wrong in the homework and complete these problems again when studying for the test.
  - Homework Assignments may only be turned in ONE day late. I will deduct 20% for late homework assignments.
- In -Class Activities
  - All in class activities must be handed in by the end of the period unless specified by the teacher
  - If a student is absent on the day of an in-class activity then the student can make up the lab on a designated day determined by the teacher.
- Labs
  - Labs are an integral part of a chemistry class and will take part frequently.
  - A lab report must be handed in for each lab/experiment.
  - Late Lab Reports: 20% will be deducted each day the lab is turned in late.
  - If a student is absent on the day of a lab then they can make up the lab on a designated day determined by the teacher and still receive full credit.
- Quizzes/Tests
  - The dates of upcoming quizzes/tests will be found on the unit calendar posted on the class website.
  - If a student is absent on the day of a quiz/test, then they can make up the missed quiz/test on the day or their return.
- Attendance
  - *It is crucial that you are in class everyday.* If you are absent it is your responsibility to come and get any work you may have missed while you are absent. You may see me during lunch, or before or after school to obtain any work you missed. The best way to get missed work is to download the work from my website. Work not turned in while you were absent will not be counted as late as long as it is turned in the day you return to school. You have the number of days absent to make up missed work without penalty. If you are absent on the day of a test/quiz you must make-up the test or quiz on the day you return (after school or during lunch). If you are absent on the day of a lab or activity you must make up the lab during a teacher scheduled time. Make sure to remind me that you need to make up a lab.

## Grading Scale and Distribution:

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A	93-100%	C	73-76%	<b>Grading Distribution:</b>		
A-	90-92%	C-	70-72%		Tests	45%
B+	87-89%	D+	67-69%		Quizzes	15%
B	83-86%	D	63-66%		Labs/Activities	25%
B-	80-82%	D-	60-62%		Assignments	15 %
C+	77-79%	F	59% and below.			

## Topics:

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### Semester 1

- Scientific Measurement
- Atomic Structure and Quantum Chem
- Periodic Trends and Bonding
- Chemical Compounds
- The Mole
- Chemical Reactions
- Stoichiometry

### Semester 2

- Gases
- Solutions
- Equilibrium
- Acids and Bases
- Thermochemistry
- Nuclear Chemistry
- Organic Chemistry

*\*Note: the instructor reserves the right to make additions, changes and deletions to the syllabus during the course of the year as appropriate for student learning.*

# SAMOHI Prep Chemistry Contract

For Ms. Johnson's class

By signing this paper, you, \_\_\_\_\_, verify that you have read, understood, and agreed to the policies set forth on the *Chemistry Prep Syllabus*. This includes your understanding of the expectations for students, classroom policies, grading, and your willingness to bring all required materials to class. You understand that you must follow all safety rules, class rules and policies.

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

X \_\_\_\_\_ Date \_\_\_\_\_  
Signature of Student

X \_\_\_\_\_ Date \_\_\_\_\_  
Signature of Parent/Guardian

## Parent/Guardian Contact Information

Name (Please Print): \_\_\_\_\_

Current Email: \_\_\_\_\_

Phone Number: \_\_\_\_\_ work cell home

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