Chemistry 2 Syllabus

School: *Garfield High*

**Garfield High School**

1255 16th Street • San Diego, CA • 92101

(619) 362-4500 ext. 2209 Room 209

**Teacher**:  Mrs. Denise Perez

**Website**: <https://www.sandiegounified.org/schools/garfield-high/about-denise-perez>

**Contact Information**: [dalejandro@sandi.net](mailto:dalejandro@sandi.net)

**Course**:  Chemistry 2 (6212)

**Text**: Prentice Hall Chemistry

**Supplies REQUIRED**: 3-ring binder, 6 dividers, spiral notebook, earbuds/headphones,pens/pencils

**Course Description**:

Chemistry is a college preparatory science course that satisfies one year of the science portion of the A-G requirement. This course is aligned with the Next Generation Science Standards. A special emphasis will be placed on developing student literacy and numeracy, as well as inquiry and problem solving skills.  
   
**Course Objectives**

Upon completion of this course, the successful student will:

1. Understand the role of Chemistry in today’s world.

2. Demonstrate an understanding of some of the social, ethical and legal issues associated with different aspects of Chemistry.

3. Learn and practice safety in the laboratory.

4. Learn and practice the scientific method as an approach to problem solving and further develop the ability to think critically.

5. Be able to access and use a wide variety of information sources, especially in the area of technology.

6. Improve oral, written, numeracy, engineering and communication skills.

7. Demonstrate increased positive interaction in the classroom and small collaborative groups.

8. Apply crosscutting concepts, such as patterns, cause and effect, scale, systems, energy, structure and function, stability and change to different topics in science.  
   
**Grading**:  Your academic grade will be determined by the following grading scale:   
Portfolio--------------------------------------------------20% of total grade    
Independent Research Project-----------------------20% of total grade  
Classwork and Science Journal----------------------20% of total grade  
Assessments----------------------------------------------20% of total grade  
Homework------------------------------------------------20% of total grade

|  |  |
| --- | --- |
| Grade | Percentage Range |
| A | 90-100 |
| B | 80-89 |
| C | 70-79 |
| D | 60-69 |
| F | BELOW 60 |

**Course Completion:**

Completion of either a Chemistry 1 or 2 credit will be based on a measure of proficiency and completion. Completion of a credit will be achieved by satisfying the following requirements: a science journal, formal and informal assessments, homework, classwork, participation and attendance. Additionally, the completion of the Science Portfolio is mandatory.

**Class Work and Homework Assignments**  
   
*Science Portfolio*  
The Science Portfolio is a collection of your work completed in Chemistry 1 or 2 of this course. It displays a wide variety of work that spans the entire course including labs, projects, multimedia applications, case studies, reading and writing in science, math, applications of problem solving in science and sometimes, even art. A majority of the work is done in the classroom setting with various sections also requiring time outside of class. The portfolio is a mandatory course requirement which is due at the end of the course but also checked weekly. This is meant as a tool used to sharpen scientific, organization and academic skills.

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| --- |
| Sections of the Science Portfolio which is organized in a 3-ring binder with 6 sections:  Section 1: Scientific Method and Labs  Section 2: Multimedia Project  Section 3: Case Study  Section 4: Science in the News  Section 5: Independent Research Project  Section 6: Extra Class Handouts including syllabus, quizzes, and exams |

*Science Journal*

You will be required to maintain a Science Journal in a spiral notebook for this course. The Science Journal includes a table of content, notes, classwork assignments and activities. The journal is graded periodically and must be brought to class everyday.  
   
*Independent Research Project*

You will choose a question to investigate and research and ultimately design a project. There is a project timeline and parts of the project are due throughout the quarter to keep you on track. The independent project requires time outside of class. You will not be able to earn an “A” in this course if you do not complete this project.  
   
*Homework:*

You will be assigned homework daily (M-TH) posted in a Google Slide presentation on Google Classroom. It is your responsibility to complete each homework assignment and return it by the due date. If you do not understand how to complete the assignment, it is your responsibility to ask for help. Homework is 20% of your grade. Late Homework will only be given late credit.   
  
*Absences/Late Work:*

When you have an excused absence, you may have a week to make up the class work assignments that were missed. It is your responsibility to check to see what was missed and make up the assignments. Late work will be accepted no later than 1 week after the due date and will only receive late credit.  
   
*Tests/Quizzes/Assessments:*

Assessment will be given throughout the course. They may include quizzes, writing samples, lab reports, performance tasks or projects. Group and individual assessments may be given throughout each unit.   
  
**Class Protocols and Rules:**

As a member of this class, you must be respectful of the room, teacher and fellow classmates. Bullying, disruptive behavior, and disrespectful attitude will not be tolerated. You will be asked to leave the classroom if the teacher determines that you have violated these classroom rules.  
   
Additionally, plagiarism (copying another person’s work) will result in an F for the assignment with no chance to make it up.  
   
*Technology*

You are NOT allowed to use any electronic devices in the classroom. This includes cell phones, Nintendo DS, ipads/tablets, etc. You will be asked to put your cell phone in a chart at the front of the classroom when class begins and will be able to take it with you at the end of class.   
   
If you are caught using a cell phone the device will be given to Ms. Atlas, the Vice Principal. EXCEPTIONS:Earbuds/headphones may be needed when using the computer for individual assignments.  
   
*Lab Policies*

Students will abide by all classroom rules during any lab assignment.  A Safety Contract, lesson and test will be administered before any lab is performed. Students will be adequately informed and trained on lab procedures prior to lab usage.  Safety and respect of school property is required at all times.  Any student that exhibits disruptive behavior at any time will be permanently removed from the lab by the teacher and will receive no credit for the lab.  Student may be referred to counselor depending on the incident.  
   
*Tutoring*

All students who have questions or are having difficulty are strongly encouraged to come in for help immediately.  Students may come in after school (Monday –Thursday 2:45-3:30) or at lunch (by appointment) for tutoring with the teacher. If necessary, other time arrangements may be made in advance.  
   
*Bathroom Policy*

You will be allowed to use the bathroom one person at a time. You must wait 10 minutes after the bell and may not go 10 minutes before the bell.  You will need to take a hall pass with you.  
   
*Leaving Class*

Passes to counselors will only be issued in emergency situations at the discretion of the teacher. Otherwise, issues requiring your counselor’s assistance or any other adult on campus must be handled outside of class time.  
   
Online Resources: Remind   [www.remind.com](http://www.remind.com/) This is an online app that I will use to send you notifications via text on your cell phone. Phone numbers are kept confidential. Login:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Password:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Google Classroom

A classroom resource that I use to assign several class assignments online assignments.

Class Code:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ NEWSELA

Use your Google Sign-in to access course material.

Chemistry 2 Course Outline

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| **Week #** | **Assignments due, Project Deadlines, Labs Homework, Assessments** |
| 1 | **Check-in: Top 3 Contenders Due\***  HOMEWORK: Science Safety Test/Contract Syllabus, Netbook Agreement, Journal with Table of Contents Portfolio with 6 dividers |
| 2 | **Ted-Ed and Key Terms**  ● Quiz #1  ● Portfolio Check  ● Homework and Warm-up Packets due |
| 3 | ● Portfolio Check  ● Homework and Warm-up Packets due |
| 4 | **Background Research Plan Worksheet Due**  ● Quiz #2  ● Portfolio Check  ● Homework and Warm-up Packets due |
| 5 | Midterm Portfolio Check  Homework and Warm-up Packets due |
| 6 | **Research Notes of Independent Research Project Due**   * Journal Check * Portfolio Check * Multimedia Project * Homework and Warm-up Packets due |
| 7 | **Check-in: Project Type Due**   * Quiz #3 * Portfolio Check * Homework and Warm-up Packets due |
| 8 | **Final Independent Research Project Due**   * Final Portfolio Grading Begins (10 points per section, 50 total) * Case Study * Homework and Warm-up Packets due |
| 9 | * Final Portfolio DUE * Homework and Warm-up Packets due |

**\*Boldfaced, italicized items are part of the independent Project**   
   
**3-Course HS Model: Chemistry with Earth Science Integration**  
   
Chemistry 2 Guiding Questions  
  
Segment 4 - Chemical Reactions •

What holds atoms together in molecules? •

How do chemical reactions absorb and release energy?

Segment 5 - Chemistry of Climate Change •

What regulates weather and climate? •

What effects are humans having on the climate?

Segment 6 - The Dynamics of Chemical Reactions and Ocean Acidification •

How can you alter chemical equilibrium and reaction rates? •

How can you predict the relative quantities of products in a chemical reaction?   
   
**Student Accountability Contract and Parent/Guardian Notification**  
   
As a student, I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, will be responsible for :

                                          (print full name)   
1. Showing respect and cooperating with adults on campus.

2. Coming to class on time and prepared to work.

3. Completing all assignments to the best of my ability.

4. Respecting the rights of others to learn without disruption.

5. Showing respect for people and property by not using profanity, stealing or vandalizing.

6. Practicing the rules of the classroom, school and district.

7. Spending time at home on assignments given.   
  
DATE: \_\_\_\_\_\_\_    
STUDENT SIGNATURE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
STUDENT EMAIL:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
STUDENT CELL PHONE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   
Dear Parent/Guardian,  
   
I am looking forward to working with you and your student to make this a great school year.  If you ever have any concerns regarding your student’s progress, please do not hesitate to contact me.  Once you have reviewed and discussed this syllabus with your student, please sign and return this sheet.  I encourage you to provide your email address and times of availability so that I can better communicate with you regarding your student’s progress.    
   
Thank you,   
   
Mrs. Denise Perez  
   
PARENT/GUARDIAN NAME (printed):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
PARENT/GUARDIAN SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
PARENT/GUARDIAN PHONE NUMBER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
PARENT/GUARDIAN EMAIL:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
LANGUAGE PREFERENCE: English\_\_\_\_     Spanish \_\_\_\_    Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
OTHER CONTACTS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_     \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_