Chemistry

COURSE SYLLABUS I 2024 - 2025

Message from Mr. Navarrete

Welcome Scientists to your Chemistry class! Chemistry is my passion and the only thing I love more than chemistry is teaching others about its marvels. I am very excited to have you in my classroom as we embark on this journey called Chemistry. We are all going to work, learn, and grow together. I hope that you are equally as excited to learn about Chemistry as I am to teach it. I cannot wait to see all of you to transform into young scientists!

Contact Information

If you have any questions, about anything, contact me at :

c.navarrete@lausd.net

323-227-4400

Conferences

If you, or a parent, would like to setup a conference, you can come in during my conference period. Please contact myself or the school to make sure I am available before your visit

Class Materials

To be successful in this class, you will need the following items everyday:

1. Chemistry Binder
2. Pencils/Pens
3. Colored Pencils
4. Ruler
5. Scientific Calculator

If you are unable to obtain any of these items, please reach out to find an alternative solution

Classroom Expectations

I will never expect anything from you, which you cannot equally expect from myself. I promise I will do my best to uphold myself, you, and your peers to these expectations to help all of us be safe in the classroom and ensure learning is maximized:

1. Arrive to class on time
2. Come to class ready to learn with an open mind
3. Respect the speaker
4. Trust yourself to make mistakes
5. Take care of yourself before entering the class

Most importantly, I expect every to behave in a responsible and courteous manner to both your peers and their belongings, as well as the classroom and anyone who enters through the classroom doors.

What We Will Accomplish

Throughout the year, we will have 10 unique learning targets we will work towards achieving, all of which are listed below:

	Learning Targets
1	HS-PS1-1: I can use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.
2	HS-PS1-2: I can an explanation for the outcome of a simple chemical reaction based on the outermost electron states of atoms, trends in the periodic table, and knowledge of the patterns of chemical properties.
3	HS-PS1-3: I can plan and conduct an investigation to gather evidence to compare the structure of substances to infer the strength of electrical forces between particles.
4	HS-PS1-4: I can develop a model to illustrate that the release or absorption of energy from a chemical reaction system depends upon the changes in total bond energy
5	HS-PS1-5: I can apply scientific principles and evidence to provide an explanation about the effects of changing the temperature or concentration of the reacting particles on the rate at which a reaction occurs.
6	HS-PS1-6: I can refine the design of a chemical system by specifying a change in conditions that would produce increased amounts of products at equilibrium.
7	HS-PS1-7: I can use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.
8	HS-PS2-4: I can use mathematical representations of Coulomb's Law to describe and predict the electrostatic forces between objects
9	HS-PS3-1: I can create a computational model to calculate the change in the energy of one component in a system when the change in energy of the other component(s) and energy flows in and out of the system are known.
10	HS-PS3-5: I can develop a model of two objects illustrating the forces between objects and the changes in energy of the objects due to the interaction

ΔU + Work = Grade

How will I know I met the learning targets?

Your class grade will follow the **Mastery Grading** guidelines

Mastery Grading means:

1. I will measure your level of mastery of each learning target.

1. You will be given feedback to help improve your performance

1. Rubrics/checklists/scoring guides aligned with the learning targets will be used to inform you on what you have mastered and what to improve

1. Grades reflect how well you understand each target

Mastery Grading Rubric

Mastery 4	I can apply my understanding of learning target to new situations
Proficient 3	I can apply my understanding of learning target on my own
Approaching 2	I can apply my understanding of learning target with help of a peer or teacher
Beginning 1	I can apply my understanding of the learning target with substantial scaffolding

Your grade will not be based on how much work you do, but how well you to the work.

How does that translate into a letter grade?

You will have various assessments for each learning target, each of varying worth, to exhibit your mastery and growth. Your final grade will be decided using the rubric below

Work Habits and Cooperation marks will be based on assignment punctuality and participation, respectively

Report Card Grade	Descriptor	Example
A	I have earned at least a 4 in 80% of the learning targets and earned nothing lower than a 3 in other learning targets	④④④④→ A
		④④④③→ A
B	I have earned at least a 3 in 80% of the learning targets and earned nothing lower than a 2 in other learning targets	③③③③→ B
		③③③②→ B
C	I have earned at least a 2 in 80% of the learning targets and earned nothing lower than a 2 in other learning targets	④②②②→ C
		③③②②→ C
D	I have earned at least a 2 in all the learning targets.	②②②②→ D
		④③②②→ D
F	I have earned at least a 1 in all the learning targets	①①①①→ F
		②②①①→ F

Additional Info

Organization

Our class schedule is updated every week through the class website, navarretescience.com. There you will find the work and in class assignments we will be doing each week.

You will need a separate binder, only to be used for this class. It should have 5 dividers with the following headings:

1. Lecture Outlines
2. Handouts
3. Homework
4. Labs
5. Tests

Use a separate "Completed Homework" folder to store assignments ready to be turned in

Academic dishonesty

If you are suspected to be cheating, you will receive a zero on that assignment, and a meeting with the principal will take place. Cheating includes but is not limited to:

1. Copying someone's work
2. Using notes on a closed exam
3. Looking at someone else's exam
4. Looking at your phone during an exam

Absences

If you are absent, all the classroom materials and notes will be posted on the class website. You will be expected to have reviewed the material and attempt the work at home. If you have trouble understanding the material, tutoring before and after school is available

Late Assignments

Assignments will be graded and provide feedback on the assignment by our next meeting time. In order to keep this timeline, unless contacted beforehand, **late work will not be accepted**. However, you are still responsible for learning the material and completing the work.

Student Agreement

I have read and discussed with my child the syllabus for Chemistry. I understand the requirements of the course and am committed to its terms. I will contact the instructor when questions arise or to request updates on my child's academic progress

Student
Name (print): _____

Signature: _____

Email : _____

Parent/Guardian
Name (print): _____

Signature: _____

Email/Phone #: _____