

## Chemistry 2019-2020



### Facilitator:

Senna Vasquez ([senna-vasquez@scusd.edu](mailto:senna-vasquez@scusd.edu))

\*sign up for [Remind](https://www.remind.com/join/rmd.at/26e39c) for important class information  
(rmd.at/26e39c)

Scan for HW ↘



**After-school Study Sessions:** Mondays & Thursdays 3:20-4:20

\*attendance is strongly recommended

\*after-school conflicts(i.e. Athletes, clubs, transportation, etc.), please speak to me about an alternate time

\**extra credit will be given for productive attendance*

**Textbooks:** This course will be piloting two textbooks for adoption. We, SCUSD, are switching textbooks to align with the California Next Generation Science Standards.

1. Glencoe Chemistry Matter and Change (This textbook will be checked out and will stay at home. It will be used for practice problems and support but will not be the main text used this school year.)
2. Houghton Mifflin Harcourt - Science Dimensions™ (This textbook will be used to administer a pilot program from approximately Sept 16-Nov 9th, and possibly will be used during the 2nd semester if we end up adopting this textbook. Bring this book to class daily when being used.)
3. Pearson - Chemistry in the Earth System™ (This textbook will be used to administer a pilot program from approximately Nov 12th-Jan 31st, and possibly will be used during the 2nd semester if we end up adopting this textbook. Bring this book to class daily when being used.)

**Course Description:** Fundamentally, this class is a sense-making course where we will discover patterns in our natural and man-made world. We will be observing phenomena, asking questions, and generating models. Learners will be discussing, writing, collaborating, and thinking like scientists. This class will take grit and agency. The class culture that comes from this will be one of safety, mistakes, growth and ultimately learning.

This is a beginning chemistry science course that covers the fundamental principles and concepts of chemistry mainly chemical nomenclature, balancing reactions, stoichiometry, acid/base reactions, and particle theory. The purpose of this course is to prepare you for A.P. Chemistry or to test into Chem 305 or Chem 400 at Los Rios District schools or Chem 6 or Chem 1A at the CA State University schools. This class at its core is really a math skills class that includes rounding, decimal places, scientific notation vs. expanded form, Base 10, arithmetic operations in scientific notation, percents, measurement, multiplying/dividing with fractions, manipulation of math equations, algorithms, linear thinking, 3-D shapes, angles, "if then" statements, guess and check, conversion factors (multiplying by 1), equality vs. inequality, LCM (least common multiple), proportions, plugging into equations, word problems, and conjugates. This class assumes no previous knowledge of chemistry, presenting both chemical problem solving and laboratory skills.

### Required Materials:

- Non-programmable scientific calculator (recommend to use TI-30Xa or TI-30XIIS)
- 2" three-ring binder with binder section dividers (*lecture, homework, lab, assessments*)
- Whiteboard marker
- Lined binder paper
- Headphones or earbuds (available at Target or Walgreens or Staples, for instance, for \$10 or less)
- Pencils and pens(black/blue - no red please)

### Laboratory Section:

- learners will be required to wear the appropriate safety attire (i.e. hair pulled back, safety goggles, aprons)
- The lowest lab score will be dropped from your lab points. **There are no make-up labs** so it is important to have good attendance.
- Pre-labs are due **at the beginning of the period** or they will be docked points. Learners **will not** be allowed to begin the experiment without a completed pre-lab.
- Lab reports must be turned in on time to be considered for full credit (one week grace period for 50% credit)

### Assessments: (Due to piloting new curriculum, exact number of assessments might vary)

- Each quiz will be taken twice\*. First attempt will be to set a baseline of knowledge. Second attempt will be to show learning and improvement.
- There will be four unit exams(given around the end of each quarter) and a cumulative final exam given each semester. Unit exam corrections will receive partial credit.
- If absent on the day of an assessment, you must take the assessment within 48 hours of your return during lunch.

### Homework:

- There will be assigned homework Monday-Thursday. It is a crucial part of the course. After school study sessions will focus on homework. Homework is designed to reinforce lecture material and application of the material.
- *"It's not what we do once in awhile that shapes our lives. It's what we do consistently" - Tony Robbins*

### Grade Breakdown:

~60% Knowledge & Thinking:

- 15% 2nd attempt quiz growth
- 30% unit exams
- 15% Final

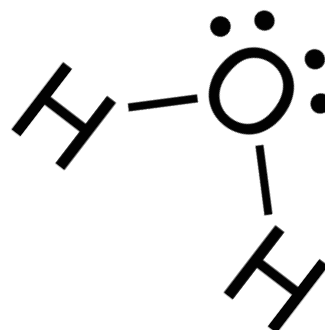
~10% Written Communication: Lab write-ups and research paper

~15% Agency: Homework, binder checks, 1st attempt quizzes

~15% Collaboration: Lab participation and working together in workshops

### Grading:

<b>A</b>	<b>90% - 100%</b>
<b>B</b>	<b>80% - 89%</b>
<b>C</b>	<b>68% - 79%</b>
<b>D</b>	<b>60% - 67%</b>
<b>F</b>	<b>&lt;50%</b>



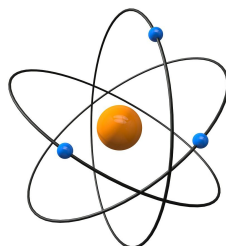
## Day to Day stuff:

1. Bathroom/out of classroom
  - Inform a facilitator and your group members that you will be leaving the classroom
  - Sign out and sign in by the door with date AND time and destination
  - Take a hall-pass with you
2. Food: Eat if you're hungry but don't let it get in the way of learning. No open/soft top drinks by a computer, no messy fingers on laptops, clean up if you make a mess. Remember to always **throw your trash away and recycle**. NO FOOD ON LAB DAYS.
3. Cell Phones
  - Cell phones should be out of sight and silent during class.
  - If you have a special circumstance and you must leave class to answer a phone call you need to check with a facilitator first.
  - Facilitators may ask you to use your phone for photos or other school appropriate activity, however, smart phones are NOT required.
4. Late/Missed Work: Late work will be accepted with prior approval and only for the current topic
  - unless there is a legal binding contract
  - unless you have an excused absence
    - If you are absent *you are responsible for checking the agenda* and making up the missed work within a reasonable amount of time.
5. Social Networking Sites: Yes, we are all on fb/Instagram/Snapchap *but not during class time*. Use common sense.
6. Plagiarism: taking credit for another person's work is unacceptable in all school and professional situations. This is for ALL submitted work...SO just don't do it.

This class will be used in Mrs. Vasquez's action research project (Sac-MASTL) revolving around developing model statements from phenomenon and question asking. All data acquired will be used for the sake of personal growth and insight. No learner names will be used and all identities will be kept private, however, learner work and data will be analyzed and shared with other educators only. This is not publishable research.

## Integrity

This class is based on trust, respect, and responsibility. I trust that you will do the right thing when no one is looking. You will be respectful to the expensive equipment, respectful of the facilitator when she is lecturing(NO TALKING during lecture), respectful of others' learning, and respectful of your own learning. It is your responsibility to be self-disciplined to do the great amount of work that is being asked of you. It is your responsibility to your friends to not copy or cheat, it is disrespectful to the learning process and to your/their development.



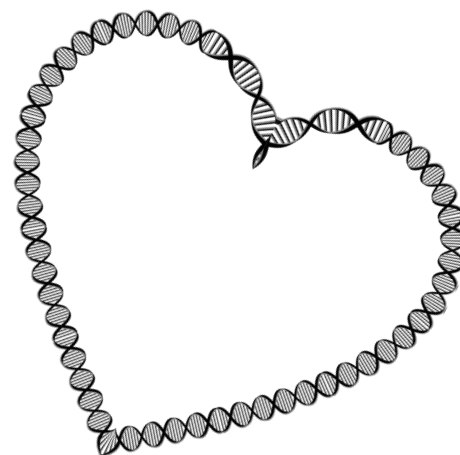
## How to Thank your Facilitator

Obviously, you'll be so pleased with your incredible new knowledge of chemistry that your heart (and sometimes wallet) will be fairly bursting with generosity toward your beloved facilitator. But what does she like?

**Free but sweet gestures:** e-cards, handwritten notes, flowers from your garden, writing "I <3 Vasquez" on the whiteboard, "I made you a picture!"

**Low-budget:** cards, photos of you, dark chocolate, almonds, fruit.

**Big-ticket items for Vasquez:** living plants, Oscar's burritos (beans, rice, avocado, onions, cilantro ONLY no animal products), apple fritters from Marie's Doughnuts, Lattes with coconut/almond/soy milk of any size (from Starbucks, Peet's, Chocolate Fish, Insight, Broadacre, or Temple -- not McDonalds), Amazon gift cards (I love books), cool science T-shirts, and just about anything from thinkgeek.com.



## A Thank-You from your Facilitator

Every year learners give an amazing effort and they also give their unique personalities. Learners, I so appreciate you, and I appreciate your commitment to trust, respect, and responsibility. Parents and guardians, thank you from the bottom of my heart for sending me your wonderful children. It is my great pleasure to have them, and they make my work very rewarding.

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**Parent/Guardian: This is your job....please send me an email**

Please send an email ([senna-vasquez@scusd.edu](mailto:senna-vasquez@scusd.edu)) and *write that you have reviewed the syllabus*. Tell me whose parent/guardian you are, your preferred language, your preferred contact method, and ask any questions you might have.

Also, please don't forget to sign up for [Remind](https://remind.com/rmd.at/26e39c) for important class information (rmd.at/26e39c)

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If you do NOT have an email address please sign this form and provide me with contact information.

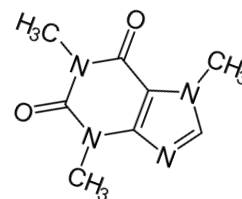
Learner Name: \_\_\_\_\_

Parent/Guardian Name: \_\_\_\_\_

Preferred Language: \_\_\_\_\_

Contact Info: \_\_\_\_\_

Text okay? YES NO



If you need this syllabus in another language, please let me know and I will provide a translated copy.

Thank you!