

Chemistry 1,2
2020 **Online**
Chemistry in the Earth System
Mrs. Maureen Quessenberry

Start at clever.com

Daily meetings: sandiegounified.zoom.us (or via Clever)

LMS <https://sandiegounified.instructure.com/>

Daily agenda: <https://mrsq.net/index.php/chem>

Tech Support: <https://sites.google.com/sandi.net/instructionalcontinuityit/technology-support-for-families>

Text: Wilbrham, etc., *Chemistry*, Prentice Hall, 2007.

Course Content:

This course is part of the three-course model for high school science as laid out in the California NGSS framework. More information can be found here: <https://ngss.sdcoe.net/Chemistry-In-The-Earth-System>. This course integrates earth science concepts through a chemistry lens.

Course Topic Outline:

Semester 1

- ◆ Combustion
- ◆ Heat and Energy in the Earth System
- ◆ Atoms, Elements & Molecules

Semester 2

- ◆ Atoms, Elements & Molecules cont.
- ◆ Chemical Reactions
- ◆ Chemistry of Climate Change

Teaching Methods:

Guided inquiry is the primary method used in this course. Group activities and investigations will allow students to gather evidence for making meaning of chemistry concepts. Small group and whole class discussions will be integral to student understanding. Students are expected to participate fully in all classroom activities in the whole class or in breakout rooms. Independent study skills will be required as students reinforce concepts from class at home.

Academic Assessment:

Students will be assessed during and after each unit. Students will have the opportunity to express their understanding on exit slips, class assignments, and lab reports. Every assignment is awarded up to 4 points: 4 points advanced, 3 points proficient, 2 points basic, 1 point below basic, 0 points not submitted. The assignments are split into weighted categories with 55% summative assessment (final projects, quizzes), 40% formative assessments (classwork and homework) and 5% participation*. Late classwork and homework assignments will be accepted within 5 days as laid out in the school policy. Assessments will generally be accepted later. Class work is turned in daily. Daily flex time will generally only be to finish and review classwork and Fridays will be asynchronous.

Overall course grades

100-87.5%	4 (A) (Outstanding, Exceeds Class Standards)
87.49-62.5.0%	3 (B) (Meets all standards at a complex and basic level)
62.49-37.5%	2 (C) (Meets all standards at a basic level)
37.49-0%	0 (F) (Does not meet enough standards at a basic level to pass)

Citizenship:

Students who participate, come to class on time and do not disrupt class are Satisfactory. In order to be considered Good or Excellent, a student needs to have a positive impact on the class by actively participating, assisting others, volunteering, having stellar attendance and generally going above and beyond. Semester citizenship grades are calculated by averaging the two quarter citizenship grades.

***Digital Citizenship Guidelines for daily Zoom meetings**

- Students are to dress as if they were attending school
- Students are to sit up and use their personal computer or their district device
- Students are to turn on their camera and have their face showing for the **entire class time** unless told otherwise by the teacher
- Students are to display their first and last name and **watch the chat**
- A student may select the *Hide Self View* Option which allows the teacher and other students to see them, but allows a student to not have to see themselves on the screen
- Attendance will be taken, and students are expected to stay online and with their camera on unless there is a need to temporarily turn off the camera.
- Student participation in on-line instruction is a percentage of a student's academic grade (*Students need to say something about their thinking and understanding versus not responding to a teacher question and must respond to polls taken during class time. These daily points may not be made up.)
- Students will mute themselves when they are not speaking
- Students will communicate with their teachers if they are having challenges with their technology
- Students will not use their cell phone or have it near their computer while classes are in session unless authorized by their teacher
- Students are not to post inappropriate comments/links or make inappropriate comments while in an online meeting.

Classroom Policies:

This class requires participation. Students are expected to be logged into Zoom and Canvas, ready to work when class starts. Students who are tardy will miss out on instruction. Attendance is key to success in chemistry. Many of the experiences involve group work, which cannot be replicated. If a student is absent, it is his/her job to check the website and/or request missing assignments and turn in work that was due on the date of absence, along with filling out the absence form. Office Hours will be posted in Canvas.

Academic Honesty:

All students are expected to conduct themselves with the highest academic integrity. It is a disservice to everyone when a student is dishonest. Any student participating in the following will be considered in violation of the academic honesty policy as outlined in the student handbook:

- Cheating on tests or assignments, which includes giving answers to other students as well as taking them.
- Plagiarism – copying of any sort.
- Theft or alteration of classroom materials

Consequences for violating this policy may include a zero on the assignment and a U in citizenship for the quarter.

Communication:

If I have concerns about a student's progress or behavior, I will first counsel with the student. If after talking with the student, the situation has not resolved itself I will contact parents. If the situation continues I will contact the counselor and perhaps have a conference to try and clear up the issue. I am always available via e-mail to discuss grades, citizenship or content with parents and students at mquessenberry@sandi.net. You can also text 858-256-5531.