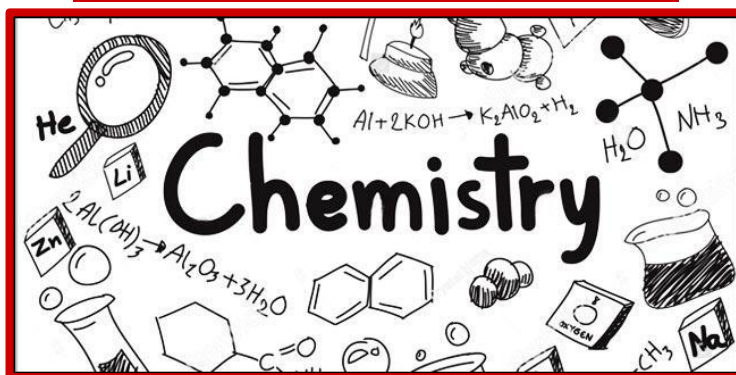


Syllabus--General Chemistry 2021-2022



Instructor: Maree Mitchell

Course Overview: A person is missing! Each unit you will learn new chemistry skills and concepts and then use them to test evidence related to the disappearance. We will investigate the entire year and your final project will be to determine what happened using evidence that you have gathered and tested.

How to Contact (do not expect an immediate answer after 4:00 pm or on weekends):

- o Email through StudentVue
- o Email (mmitchell@fusd1.org) This is the best method of communication.
- o Remind App-- Remind App-- send a text to 81010 and text this message @97f4ac2 or open your remind app and add the class using code 97f4ac2
 - o This is the fastest way to get a quick/brief answer.
- o Call 928.773.8200 ext.6494
- o Set up a meeting after school

Communication is very important. If you are confused ask questions or set up a private meeting or send an email. I want to hear from you. Don't be scared to contact me!

Materials needed for class:

- 3 ring binder (1.5" at least) and writing utensil
- Loose leaf paper or a spiral notebook
- Calculator that is NOT your phone. It must be able to calculate exponential numbers.

Evaluation of your learning:

My class uses standards-based grading (SBG) which promotes the idea that practice is required in order to reach understanding. **Standards based grading is about learning not grades!** **You do not lose credit for not understanding the first time you see material.** Instead, you are expected to monitor your progress and, with help and practice, increase your understanding.

Assessments are divided into two categories: practice (formative) and evidence of learning (summative). Formative assessments are the practice portion--including activities, homework, some experiments, as well as drafts of long-term assignments and projects. Evidence of learning assessments are the final check-in for understanding and take place after a series of formative

assessments. Students can revise formative work. Evidence of learning work is the final assessment for the topic. Evidence of learning assessments are the only portion of your evaluation that affect your letter grade. Many people think that this means they don't need to do the practice. That is entirely inaccurate because that would mean you would do no practice before you have to perform (show evidence of your learning). If a skill is tested in other measurements later in the semester and your scores improve those scores will be considered in the assessment of that skill. Your final score on measurements will be determined based on your most consistent level of performance on the evidence of learning assessments. (If you do 10 measurements with graphs and you most often score a 3—even if you had a 4 and a 1 at some point—you will score a 3)

Scores will be presented in the gradebook by learning target and will be reported as 4-exceeding standard, 3-at standard, 2-approaching standard, 1-still developing, 0-no evidence of learning.

SBG uses the 0-4 scale but this does not work well with the percentage style used by Synergy/StudentVue. I have, therefore, adjusted the grading scale to reflect the 0-4 scale. Here is the grading scale for class. I have to hand enter your grades and can only do this during posting periods.

When you look at your percentage in StudentVue you need to translate it using my scale.

A: 85-100

B: 70-84.9

C: 50-69.9

D: 35-49.9

F: 0-34.9

Attendance:

It is important for you to attend in order to understand the material. If you miss class please check the Canvas page announcements, assignments, and discussions to catch up. You can also check in with other class members. After you have checked Canvas and talked to other students, if you are still confused, check with me. Make sure you understand all that you should have learned. If you miss a practice activity, I have a very simple late work policy--the practice (formative) must be completed before the evidence of learning (summative). If you miss an evidence of learning activity you will have to talk with me about what to do.

Materials I would love to have donated:

I know that for many families it is not possible to donate supplies and I do not expect donations. The following is a wish list. If you can donate anything it would be greatly appreciated. If you cannot, don't worry about it.

- Balloons
- Vinegar
- Baking soda
- Matches
- Aluminum foil
- Paper clips
- Dixie cups
- Batteries (especially 9V)
- Tissues
- Salt
- Ziploc bags (gallon or sandwich size)
- Hand towels/Rags (These don't have to be new if you have old ones that you no longer want that are in decent shape)
- Hand wipes
- Isopropyl alcohol (70% or 90%)

Safety Contracts:

Please complete the Flinn Lab Safety Contract. I would like you to read and sign it. Make sure you also put your name at the top of the first page. If you lose the paper there is a link on my Canvas page. You will have one week to complete the contract and pass a safety quiz. **If you do not complete it and pass the quiz you will not be allowed to participate in any lab activities.**

Technology:

We will use Canvas as the primary means of communicating school work. There will also be many other technology platforms that we will work through. Please make sure that if you are having trouble with any technology you communicate with me, ask a friend, or use Google to look up how to deal with the problem. Don't leave things to the last minute—make sure you know how to use the technology required for your work.

Phones:

Unfortunately, I have to have a phone usage section. Phones are not necessary for Chemistry. I will ask you to put them in your backpack at the start of class. If you use your phone you will receive a warning. If you seem unable to control your phone usage I will take your phone for the class period. If the problem continues, we will come up with another plan. If we need to use phones at any point, I will tell you. If you have a family emergency such as a sick parent and you want to have close contact, please talk to me outside of class and we can work something out.

Chemistry Help:

Chemistry can be confusing. Please make sure you ask for help or seek help online. Here is a list of chemistry web pages that may increase your understanding.

- Khan Academy for videos, readings, or practice quizzes:
<https://www.khanacademy.org/science/chemistry>
- PHeT from the University of Colorado for simulations to help understanding:
<https://phet.colorado.edu/>
- Crash Course Chemistry for fast talking funny videos about chemistry topics:
<https://www.youtube.com/playlist?list=PL8dPuuaLjXtPHzzYuWy6fYEaX9mQQ8oGr&app=desktop>
- The Organic Chemistry Tutor for help with chemistry topics (he talks faster than the Khan academy guy): <https://www.youtube.com/channel/UCEWpbFLzoYGPfuWUMFPSaoA>

Please sign below to show that you understand what is expected of you/your Chemistry student and cut this section off. Return it to me during class. Put the top portion in your binder.

Student Name
(printed) _____

Parent/Guardian Name
(printed) _____

Student
Signature _____

Parent/Guardian
Signature _____