

Chemistry 2022-23 Syllabus

Mrs. Malenfant

Chemiluminescence... Tie-dye... Flaming bubbles...

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484-0091 Ext. 2229

Room 2229

THE COURSE

We're going to have a great year exploring how chemistry relates to our real lives. Chemistry is the study of matter and the changes matter undergoes. We will focus on the science surrounding chemical structures involved in reactions and the practical use of these reactions. You will become proficient in the chemistry lab as well. Topics include atomic structure, the periodic table, ionic and covalent compounds, chemical reactions, stoichiometry, thermochemistry, gas laws, solutions, and nuclear chemistry. Students will perform, on average, one lab per unit and take a unit test every two weeks. Student can expect about 20 minutes of homework a night.

CLASS EXPECTATIONS

Be a **PRO**:

- **Be Prepared.** In your seat when the bell rings, with your notebook, text, paper, pen/pencils on your desk and assignments completed.
- **Be Respectful.** Toward other students, teachers, guest teachers, and property, especially the laboratory equipment and chemicals. *Safety first!*
- **Be On Task.** Focus! Be inquisitive and use class wisely. If you don't understand, **ask!**

ATTENDANCE:

DON'T BE ABSENT!!!

- **Planned Absences:** *Please* avoid taking family trips and other avoidable absences during school days if at all possible. It is **very** difficult for students to "catch up" on missed class time. For planned absences, you must get the assignments ahead of time.
- **Unplanned Absences:** Full credit awarded if turned in by the date specified by the teacher upon return.
- **Absences on review days:** If a student misses just the review day, he/she is still expected to take the test the following day. A student will not miss any new material on review day and has all of the objectives and resources to study from in order to be successful.
- **Tardies:** Students will receive 3 warnings each semester before a detention is assigned. I will then assign detentions for each subsequent tardy and inform administration.

DRESS CODE:

- If you are out of uniform, you will be required to correct your uniform.
- All uniform violations will be sent to the office, even if you can correct it.

DETENTIONS: All detentions will start out as lunch or Flex detentions with me; for repeated violations the student may be referred to the office.

GRADING

Please refer to the grading scale in the TCA handbook.

DAILY WORK and HOMEWORK

1. **Do your own work unless told otherwise by me.**

- ◇ I will let you work with partners in class on problems.
- ◇ Even then, asking for help and working together is okay; copying answers is NOT!
- ◇ Your paper should never be in the hands of someone else. NEVER.

2. **Homework Grading:**

- ◇ I grade most of the homework on a *completion basis*.
- ◇ At the beginning of class I will check how much was completed from the previous night.
- ◇ You are then expected to *revise* your homework as we go over answers in class.
- ◇ If you did not do the homework, you may take notes during class discussion, but you should **not** just copy answers down and turn those in. Do the homework later, and don't forget to turn it in *before the unit test* to receive any credit.
- ◇ I do not grade on a curve. Points are points. Homework points are equal to test points, so missing homework matters.

3. **Late Work:**

- ◇ Late homework will lose 20% off the original grade up until the test.
- ◇ After the test, no homework from that unit will be accepted. Let me Repeat. *Work turned in after the test day will NOT be accepted.*
- ◇ Large assignments such as full lab reports will receive daily deductions, if turned in late, according to the TCA guidelines:
 - i. 1 day late -20%
 - ii. 2 days late -30%
 - iii. 3 days late -40%
 - iv. 4 days late -50%
 - v. 5+ days late -100%
 - vi. Communication is key: I can work with you if there are extenuating circumstances. However, procrastination and broken printers are not extenuating circumstances. Plan ahead!

4. **Make up work:**

- ◇ You are allowed two days for every day of absence to make up work missed during the absence.
- ◇ However, this is only a guideline; usually it is better to make up the work sooner.
- ◇ Class Materials will be found on Schoology. I update this daily usually after the lesson has been taught.

5. **Format:**

- ◇ Please use 8.5" x 11" paper for all problem assignments.
- ◇ To conserve, you may use one sheet for multiple assignments as long as the most recent assignment is obvious and easy to read.
- ◇ Put your full name, the class period, the date, and the assignment name (page number and problem numbers) on all work.
- ◇ Write neatly with a pencil or dark colored pen. Word processed work is acceptable too.

6. **Starting homework in class:**

- ◇ Time may be given at the end of the period to begin homework.
- ◇ Students should use that time for chemistry homework only.
- ◇ Homework from other classes and quiet talking can only be done once the chemistry homework is completed.

LAB SAFETY

I take safety in the laboratory very seriously. Here are just a few of the big safety pointers.

- Safety Contract- Students and parents will sign a safety contract at the beginning of the year. Must turn in before being allowed in the lab.
- Safety Quiz- You must score a B or better on a lab safety quiz to be allowed in lab.
- Food (including gum) is **not** allowed in class.
- Safety violations may result in a zero for the lab and an office referral.
- Minor safety violations may cause you to lose points on the lab report (e.g. Neglecting to clean up your lab station or not dressing appropriately for lab).

LAB REPORTS

- ◇ Data in lab must always be recorded in black or blue ink.
- ◇ You will be expected to finish lab write-ups at home on your own even though you will have done the lab in a group.
 - No cutting and pasting from one report to another!
 - No emailing parts of your report to someone else! (Yes, that means you must type up the data tables and graphs yourself!)
- ◇ Reports should be **typed** unless otherwise noted by the teacher.
 - Equations, data tables and graphs may be hand-written neatly in black or blue ink, using a straight edge. However, now is a good time to learn how to use your word processor or Excel to create tables and graphs.
- ◇ Lab-Write up guidelines will be provided – keep them somewhere handy.
- ◇ **If you miss a lab**, you are still required to do the write-up and understand the lab
 - Usually we do not have time or the space to make up the actual lab itself safely.
 - Get the data from a friend. Hand-write it; don't ask them to send you their data tables, and don't just take a picture.

REQUIRED ITEMS FOR CLASS

- scientific or graphing calculator
- pencils
- dark blue or black pens for data collection
- red, purple, orange or green pen
- dry erase marker
- 8.5" x 11" lined paper for homework and notes
- colored pencils and pens may be useful
- 1 box of tissues.
- 3-ring binder (1.5" or larger)
 - Suggested Sections: Reference, Objectives & Q of D, Notes and Daily Work, Labs & Activities.
 - *Or you may prefer to divide by unit after the Reference section.*
- Chemistry Book: Prentice Hall Chemistry. Wilbraham, Staley, Matta, Waterman. © 2017

TEACHER EXPECTATIONS

I hope you have high expectations of me as well. As the teacher, I will:

- Be prepared.
- Design fun and engaging lessons.
- Exercise fairness and make my expectations clear.
- Make myself available to help students outside of class time.
 - I am available after school, and during Flex in Room 2229. If I am not in Room 2229, try to find me in 2254 (Ms. Smith's Room) See me if you want to schedule extra tutoring sessions during the times above or during my planning periods.
 - E-mail is a great way to contact me too: **cmalenfant@asd20.org**

Chemistry Sequence 2022-2023

Fall Semester

Introduction to Chemistry

Ch. 1, 2: Matter & Scientific Inquiry

Ch. 3: Measurement

Ch. 4, 5: Atomic Structure & Theory

Ch. 6: The Periodic Table

Ch. 7, 9: Ionic Compounds

Ch. 8, 9, 15: Covalent Compounds, IMFs

FINAL REVIEW: Dec. 7-9 FINAL EXAMS: Dec. 12-16

Spring Semester

Ch. 11: Chemical Reactions & Equations

Ch. 10: The Mole

Ch. 12: Stoichiometry

Ch. 17: Thermochemistry

Ch. 13, 14: States of Matter & Gas Laws

Ch. 15, 16: Mixtures & Solutions

Ch. 18: Kinetics & Equilibrium

Ch. 19: Acids & Bases

Ch. 25: Nuclear Chemistry

FINAL REVIEW: May 16-19

FINAL EXAMS: May 22-25

Student Information Sheet

Chemistry 2022-23

Full Name: _____
(first) (last)

Nickname (what do you want me to call you?): _____

Class Period: _____ Grade Level: _____ Birthday: _____

Last Year's Science: _____ Current Math Course: _____

List allergies or other conditions that might affect lab participation: _____

We order shirts for the tie dye lab. Please circle the correct adult t-shirt size for you.

Size (Circle One): Small Medium Large X-Large

What do you want me to know about you? (*Ideas: What activities are you involved in?
What did you do this summer? How many brothers or sisters do you have?*)

One goal for chemistry class (could be related to grades, participation, behavior, leadership, understanding, etc):

One non-academic or non-chemistry goal for this school year:

Optional: Who was your favorite teacher ever and why?

August 18, 2022

Dear Student and Parent(s)/Guardian(s),

This is the part where you sign. By signing you are saying you can't wait to partner with me in making this year a memorable, safe, and rewarding one in chemistry. Please sign below to indicate your compliance and support of the course syllabus and student expectations. If you have any questions concerning the syllabus, or any special concerns or requests I should be aware of, please e-mail me at cmalenfant@asd20.org. We are going to have a great year!

Thank you,
Mrs. Christy Malenfant

I, _____, have read and agreed to the student expectations.
PRINT STUDENT NAME

STUDENT SIGNATURE DATE

I, _____, have read and agreed to the student expectations.
PRINT PARENT/GUARDIAN NAME

PARENT/GUARDIAN SIGNATURE DATE

Parents/Guardians,

Please take a moment to check that your contact information in Infinite Campus is up to date. This is how I will contact you if I need to communicate with you.

****STUDENT: Please tear off and turn in this back page to Mrs. Malenfant on the second day of school.****