



Chemistry Syllabus 2023-2024

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Course Description: This is a two-semester course designed to prepare students for college level chemistry and for students pursuing science related majors. The following topics will be covered during first semester. For specific content objectives, please refer to the Georgia Performance Standards website at <http://www.georgiastandards.org/science.aspx>. Go to "Grades 9-12, Chemistry Standards with Tasks".

<u>Unit</u>	<u>Unit Title</u>	<u>Topics/Content</u>	<u>Corresponding Chapters in text</u>	<u>Approximate Time (weeks)</u>
1	Matter & Its Properties	Introduction to Chemistry, Lab Safety & Measurement, Dimensional Analysis	1 and 2	3.0
2	Atomic Theory, Nuclear, Periodic Trends	Nature of Matter Atomic Structure & Theory Electron Behavior and Periodic Table, Chemical Bonding (including molecular geometry and intermolecular forces)	3, 4, 5, 6, 21	8.0
3	Nomenclature, Chemical Reactions, & Stoichiometry	Formulas and Compounds Equations and Reactions Moles (review), Empirical & Molecular Formulas	7, 8, 9	5.0
		Review for Fall Final		0.5
3 (continued)	Nomenclature, Chemical Reactions, & Stoichiometry	Stoichiometry	7, 8, 9	3.0
4	States of Matter, Water Systems, Solutions	States of matter, gases, water systems, solutions, colligative properties	10, 11, 12, 13	5.0
5	Acids & Bases, Thermochemistry and Spontaneous Processes	Acids, Bases & pH, reaction energy and kinetics, Chemical Equilibrium	14, 15, 16, 17, 18	7.0
		Review for Spring Final		0.5

Text: HMH Modern Chemistry; ISBN #: 9781328800077 (**Replacement Cost: \$121.55**)

Online Textbook: HRW app on Classlink

Materials (please bring daily to class): Textbook, 3-ringed binder with 5 dividers, notebook paper, black/blue pens, red pen, #2 pencils, scientific (non-graphing) calculator.

CLASSROOM RULES:

1. Obey all school and classroom rules and follow school-wide behavior expectations.
2. Be polite and respectful. Listen when someone else is speaking.
3. Be prompt, prepared (with required materials), alert and ready to learn. Follow all class procedures.
4. Unacceptable behavior during a lab or class activity will result in a grade of **ZERO** for that activity, as extreme caution should be taken in the lab.
5. **No food or drinks** other than bottled water may be consumed in the classroom. Nothing may be consumed in lab area.



CLASSROOM PROCEDURES:

1. **Student Responsibility:** You are expected to be respectful towards your teacher, classmates and the property of others. If you act like mature adults, you will be treated as such. Correction of student misconduct will be according to Northview and Fulton County Policy.
2. **Seating Chart:** Every student will be assigned a place to sit in the class. Assigned seats may be changed by the teacher if the need arises. Seating assignments will be changed periodically.
3. **Tardy Students:** Students must be in their seats and ready to begin work when the bell rings. The tardy policy **per 9-week period** is:

1st Tardy: Written Reprimand	3rd Tardy: Administrative Referral and Detention
2nd Tardy: 1 Day Private Detention	4th & Subsequent Tardies: Administrative Referral and Detention
4. **Cell Phone Policy:** Students may not use cell phones during class unless explicitly approved on a specific day for instructional purposes by the teacher.
 - a. Students **MUST** place their phone into the numbered phone holder during class.
 - b. Students must place smart watches in backpack during assessments.
5. **Leaving the Room:** Students must use the time between classes to go to their lockers and take care of personal matters. No student may leave the room during the first and last 10 minutes of class. No lining up at the door before the bell rings.
6. **Student Participation:** Students are expected to pay attention and contribute to class activities and labs. This includes taking notes. Be an active learner! **Do not be afraid to ask questions!**
7. **Honor Code Policy:** As explained in the student handbook, cheating is defined as “the giving or receiving, in any form, information relating to a gradable experience.” Violations of the honor code will result in a zero for the assignment, plus an honor code violation form placed in the student’s disciplinary file. Read the handbook carefully to fully understand what constitutes a violation. The Honor Code policy will be strictly enforced. Upon teacher request, students may be required to email papers to **turnitin.com**. The website checks the submission for plagiarism, and reports to the teacher that the student’s work was not copied from any source.
8. **Homework and Assignments:** Homework (HW) and Classwork (CW) will be graded using a weekly **Learning Process Quiz**. It will be graded based on accuracy. Simply writing down numbers or letters is **not** considered effort. **You must show your work for full credit!** **In addition to assigned homework, students are also expected to read each chapter in the textbook.**
9. **Late Work:**
 - A grade of zero will be entered into the gradebook until the assignment is submitted.
 - Upon submission, teachers will deduct 15% of the assignment grade if the assignment is turned in past the due date.
 - If a student fails to turn in a late or missing assignment by the end of the unit, teachers will enter a zero for the assignment in the gradebook.
 - Teachers will deduct 25% of the assignment grade if the assignment is turned in past the end of unit major assessment.
10. **Make-up Work:** Upon return to school, students will have an equal number of days as they were absent to complete any late or missing assignments (practice, major, and minor) for full credit. Teachers will enter a zero for any assignment not submitted on the assignment **due date**.
 - If the assignment has still not been submitted within the absent day count, but before the end of unit, teachers will deduct 15% of the assignment grade.
 - If a student fails to turn in a late or missing assignment by the end of the unit, teachers will deduct 25% of the assignment grade if the assignment is turned in past the end of unit major assessment
11. **Missed Work: It is your duty to obtain notes, homework and handouts that you missed.** The best way to keep up with missed work is to check my online learning platform daily to keep you informed of what you missed.



12. **Quizzes and Tests:** Scheduled quizzes (both content and lab) as well as “Pop” quizzes will be given to assess the level of student’s understanding. There will be a test after the completion of every chapter or group of chapters.
- If a student misses a published scheduled assessment, when should they take the assessment?**
Published scheduled assessments will be given on **the day of return** to school from absence. Refusal to take an assessment will result in a zero, with no recovery opportunity.
If a student misses 1 or more days of **new** instruction prior to the assessment, the student will have an equal number of days as they were absent to take the assessment.
13. **Lab Experiments:** Lab work is very important in chemistry and offers hands-on experience. It is critical that you listen carefully to instructions and follow all safety rules to perform the labs in a safe and accurate manner. Splash goggles are mandatory for all labs. Lab equipment is shared among many classes, so you are responsible for paying for any lab equipment that you break.
14. **Bellwork and Closings:** Every class will begin with “Bellwork” and end with a “Closing”. Students are expected to begin the warm-up immediately when the bell rings, and to participate in the closing activity.
15. **Binders:** Binders will include the syllabus, handouts, openers, notes, labs, class work, and homework. Save all your work to study for your cumulative final exam.
16. **Help Sessions:** Extra help is available during and after school. Please see me to arrange a mutually agreeable time. Chemistry takes practice and continuously builds on itself. It is important that you master all concepts before moving on to the next one.
17. **Recovery Policy:**
- Students would have one opportunity to recover their grade on each major assessment if they scored below 75% on the initial attempt. Recovery is not provided for minor or practice assignments.
 - Students can earn a maximum grade of 75% on the recovered major assignment. Students who earn between 75 – 100 on the recovered assignment will receive a 75%. Students who earn below a 75 on the recovered assignment will receive the grade earned or the original grade, whichever is higher.
 - To best position students for success, teachers may require students to complete any missing assignments, remediation activities, and/or attend extra-help sessions prior to recovery opportunities.
 - Recovery must be requested by the student and completed prior to the due date for the next major assessment.
18. **Progress Reports:** Progress reports will be issued every 4.5 weeks. Parents/guardians may access their children’s assignments, grades, attendance, and discipline records via the internet through Infinite Campus. Please visit <https://www.fultonschools.org/> to set this up. Parents/guardians may correspond with me via email at any time to discuss any concerns or schedule a conference.
19. **Grading Procedure:**
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| Major: 55% | Minor: 35% | Practice: 10% |
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20. **Grading Scale:**
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| A= 90 and above | B= 80-89 | C=70-79 | F= 69 and below |
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21. This syllabus if required may be updated as per county policy.