



Instructor: Mrs. Laurie Vaughn-Grantges
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Room: A-18

COURSE DESCRIPTION: AP Chemistry provides an orderly development of the fundamental concepts and principles of chemistry with an emphasis on inquiry and critical thinking skills, including problem solving, mathematical reasoning, and experimental investigations.

This course is designed to cover BOTH semesters of freshmen-level college chemistry, and we will cover this content in less than 5 months. Therefore, the breadth, pace, and depth of material covered exceeds the standard high school Chemistry course, as does the college-level textbook, laboratory work, and time and effort required of students.

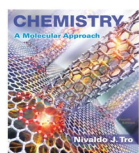
Students should expect to spend 5-7 hours a week outside of class on course work.

Since passing the AP exam may qualify you to by-pass a first-year college chemistry course, AP Chemistry should not be considered "college prep". Rather, it is a college class, with college level expectations for behavior, participation, & effort.

AP Chemistry Exam: The exam is sponsored by the College Board and is administered in May. The specific Big Ideas, Enduring Understanding, Essential Knowledge, Learning Objectives and Science Practices relating to the AP Chemistry course, can all be found in the [AP Chemistry course description](#) published by the College Board.

REQUIRED MATERIALS:

- AP Lab Fee (\$20)
- computer access to www.molelady.com & [mastering chemistry](#)
- free apps (google play or Apple store): remind, albert.io, & seesaw
- printer paper & extra cartridge (for your home printer)
- a 3-ring binder with pockets & dividers (about 12)
- a graphing or scientific calculator
- lab notebook
- graph paper, black/blue pens, latex cleaning gloves, glue stick, good eraser, metric ruler



Chemistry: A Molecular Approach, Tro (issued to you and available electronically through mastering chemistry)

Steps to a 5 to a 5 for AP Chemistry, McGraw Hill Practice Workbook, John T Moore (In bookstore or @amazon.com ~ \$8 (any year)



ATTENDANCE: Each day in chemistry is dependent on understanding the previous day's work. Daily attendance is essential. Don't not to get behind. For excused absences, you will have one day to complete work for each day of class you missed. Each semester's schedule is posted on my website and can be printed. You won't have to ask: "I was absent. What did we do?" You'll already know from our biweekly schedule & friends. So, be prepared when you return to class. *You have one day to makeup an assignment for each day absent. Each day after is fifty percent less.*

CLASS NOTEBOOK: You should have an organized method of keeping class notes, handouts, homework & tests/quizzes so you can easily find any of these when you need them. Your chemistry syllabus, class rules, equipment sheet, and safety rules should be kept in a reference section of your class notebook. Use dividers to help organize by topic.

COURSE NOTES & MY WEBSITE: The notes amplify the content of the whole course. They are important to you as they form a permanent, hard copy record that summarizes all the knowledge and understanding you required to perform well on the AP Chem exam. Each set of notes should be used and **annotated** however you see fit. Take your own notes using prior skills like 2-column notes, Cornell, concept maps, foldables, to help tie topics together. They must be used as the basis for study. All the materials for the course can be downloaded from my www.molelady.com. It is your responsibility to visit the site to get the materials as and when they are needed.

GRADE INFORMATION: You should focus your studies by showing you can: 1) Explain relationships and observations by bridging several concepts, 2) Critically explore the material beyond what has been discussed, 3) Develop hypotheses that can be tested and supported through the use of the scientific method and analyze lab data.

The grades students receive in AP Chemistry are independent of the grades received on the AP Chemistry exam. In fact, AP Exams are read in mid-June, and scores are announced in July.

Tests/Quizzes—60%

Labs/Projects—30%

HW/CW-10%

HOMEWORK & Seesaw: Homework will be assigned every night (and on weekends) and should take 30-45 minutes to complete, along with reviewing lessons. You should show formulas, units, work, and circle answers for full credit. Assignment sets from your textbook constitute a **minimum** requirement for successful completion of the course. The due dates for assignments are posted on the biweekly schedule and are reviewed in class. Seesaw: This is an online portfolio that you'll be posting text, videos, or pictures. Your family can also follow you on this forum.

LABS: When doing lab work, everyone is expected to follow all safety rules and procedures or you will be removed from lab, thereby forfeiting that grade and possibly future lab time. **There is a zero tolerance policy for any dangerous activity in lab.**

- Prelab (lab writeup) in a lab notebook: **You will not be able to participate if you haven't done your prelab.**
- Lab Performance: Your performance, behavior, and safety will be assessed all year through lab activities.
- Lab notebook: Raw data will be collected in your lab notebook. Labs are written and submitted in a lab notebook, or electronically through; seesaw or turnitin.com. After collecting data in your lab notebook, you will analyze the results by making conclusions based on concepts learned.
- You will be expected to make up any labs missed on the days your instructor specifies. You are still responsible for the lab's concept that was missed. Communicate with your lab partner if you will be absent. If makeup days are not possible, then raw data will be given to you or virtual lab may be assigned. Late labs can be accepted up to one week late with a slight penalty.

TESTS/QUIZZES: There will be frequent short quizzes covering homework, labs, and topics discussed. Many of these will be announced and will cover questions from a reading assignment, worksheet, objectives, or problem sets. Online and in-class quizzes will be given frequently so that your performance and success are measured in a way that ensures objectives are being met and goals are being reached according to College Board.

The format of tests are multiple choice and free response, just like the AP exam. Tests are cumulative as we review all year for your AP Exam. They can cover material from the beginning of the year up to the material discussed in the most recent assignment set.

HELP...OFFICE HOURS: I am available for help each morning around 6:55 **and** after school (Tuesdays and Thursdays) until 2:40. Some after school time may not be available due to my meetings. Please come with your materials, attempted work and specific questions.



I HAD A
SUPER
BUSY DAY
CONVERTING
OXYGEN
— INTO —
CARBON
DIOXIDE