

Dear AP Student,

Welcome to AP Chemistry! I am very excited about you taking this next step into a greater understanding of Chemistry and hopefully obtaining up to 8 hours of college credit! It will be fun and work hard.

Fact: AP Chemistry is a college level course. It is a time-consuming and challenging, yet extremely rewarding, course. The course meets daily for the entire year due to the breadth of the course - it will cover the entire AP curriculum with time to review before the AP Exam on Friday, May 7th.

According to College Board:

To develop the requisite intellectual and laboratory skills, AP Chemistry students need adequate classroom and laboratory time. **It is expected that a minimum of 290 minutes per week will be allotted for an AP Chemistry course.** Of that time, a minimum of 25% of that time needs to be spent completing Inquiry Activities and a minimum of 16 labs. **In addition, students will probably need to spend at least five hours a week studying outside of class.** <https://apstudent.collegeboard.org/apcourse/ap-chemistry?chem>

This time will be spent on homework assignments, pre-labs, lab reports, problem sets, etc. There will be times that you will be able to complete things during class if you use your time efficiently. **These statements are not meant to be a discouragement, but to point out and state the truth to avoid any misconceptions.** The goal of this class is to provide a college level course/experience which not only prepares you for the AP Exam, but provides a solid foundation in chemistry. But it should also be fun! You are fortunate to be able to take this type of college level course in the high school setting as part of a small class. The thought processes and study habits required for this class will prepare you for college level work in any course.

This year you will again have a "Summer Assignment" through Flinn Scientific - FLINN PREP for AP Chemistry Prep Course. Please go to the following link: <https://www.flinnprep.com/> to sign in and get started. Directions are on the following page. I have already set up your account. It is all completed online and there will not be anything to turn in. However, Ms. Hipps can monitor your progress and your scores on each module's assessment. The first **9** modules you must complete before school starts include: Nomenclature, Atomic Structure and Periodic Trends, Chemical Reactions, Bonding Basics, Molecular Structure and Properties, Stoichiometry, Gases, **Solutions, and Acids and Bases (did not cover in 2019-2020).** Each module will include instruction material, images, animations, videos, practice problems with solutions, summaries, and an assessment. All content can be viewed on a desktop, tablet, or phone. It is estimated to take the average student a minimum of 10 - 20 hours to complete - so do not wait until the last minute. All of the material covered should be a review of material you learned this past year in Honors Chemistry (with the exception of oxidation/reductions, Unit 8 - Solutions, and Unit 9 - Acids and Bases). Your summer assignment will be graded and you will have a quiz on all the material the first day of class (**Thursday, August 20th**). Do not panic if you didn't learn it in your first year - you will master it quickly. The other modules will be completed during the school year when we cover that material. The site also offers 3 practice tests that you can take during the review in April. You will have access for the entire year!

My e-mail address is: mbryant@hpcacougars.org. Ms. Hipps email is: rhipps@hpcacougars.org.

Please feel free to email me if you have any questions about this assignment or any problems, and I will try to help you with them.

I hope you enjoy your summer!

Mrs. Bryant

mbryant@hpcacougars.org

High School Science Teacher

High Point Christian Academy

Phone:336-841-8702

Please go to the following link: <https://www.flinnprep.com/> to sign in and get started.

1. Click on "Sign In"



2. Enter email: **SCHOOL EMAIL**
3. Enter password: **APChem2020 (you may change this password)**

Required Materials for the AP Chemistry Course

You will be provided with the following for this course:

- Textbook, workbook and optional help at the book website
- Teacher handouts/worksheets/labs
- 5 Steps to a 5 - AP Chemistry (for in class use only)

Some of you may also want to purchase an additional AP Chemistry Exam help book. I suggest going to Barnes & Noble and looking through their selection and choosing the one that you understand the best.

Other mandatory supplies for this course:

- **Two** sturdy three ring binders - one for notes and CW/HW, and one for all of your lab reports.
No spiral notebooks!!!!
- Pencils, red **and** dark blue or black pens.
- Scientific Calculator (TI 83 or TI 84)
- A great attitude and sense of humor. You will need it at times! Plan on forming small study groups!

To be successful in this class, a student needs:

- 1) To understand learning is a continuous and uneven process
- 2) To understand that vocabulary and basic knowledge of the subject is the essential starting point.
- 3) To overcome the lack of immediate success (temporary failure).
- 4) To study and apply varying techniques:
 - comparing and contrasting
 - analysis and interpretation
 - induction and deduction
 - questioning skills
 - problem solving skills
 - rote memorization