



Welcome to AP Chemistry 2024-25!!

We just finished a great year and I am looking forward to taking your chemistry knowledge to the next level in the fall! As I'm sure you have heard, AP Chem is a challenging class but is well worth it to help prepare you for or to place you out of college chemistry (since most of you will need it for Health Professions).

In order for you to be prepared for the pace of the first few weeks of school, which goes quickly to review most of the basics, you will need to complete the following summer assignment (I know, I'm sorry, but it is for your own good; ask anyone who took it last year).

NOW! Join the AP Summer 2024 Google Classroom by clicking [this link](#). OR Go to google Classroom and enter the join code: **3btumbc Please do this immediately!**

All summer assignments are posted there. Summer assignment consists of:

1. **First Year Chemistry Review**

- a. On the topic list for Summer Assignments, there are three assignments of unit packets for you to read and complete the exercises. Files are posted on Google Classroom for you to print out and do. Follow instructions on classroom for turning them in through Google Classroom. Here are links to the pdf google docs in case Classroom is unavailable:
 - i. Chapter 1 - Chemical Foundations
<https://drive.google.com/file/d/0B3Xa8ncirgX0c3gyQzdINIJNLVkJ/view?usp=sharing&resourcekey=0-NjkYxuGP3AJ7zMVZXZ5e4w>
 - ii. Chapter 2 - Atoms, Ions, and Molecules
<https://drive.google.com/file/d/0B3Xa8ncirgX0bUpaSEtIR2pWYWw/view?usp=sharing&resourcekey=0-VppfIMG47nHS1X-Z8OI3lw>
 - iii. Chapter 3 - Stoichiometry
https://drive.google.com/file/d/0B3Xa8ncirgX0SGtBRGpJUmwzWk0/view?usp=sharing&resourcekey=0-2ohw6q1k9TkqKKiiO8_qFw
- b. These three assignments will combine as a TEST GRADE.
- c. Note: There are videos that go with each topic walking through all the notes and exercises. There is no reason you should not start off the year with 100% on your test grade. Follow links on google classroom assignment postings to reach the videos. Here are links to the videos in case Google Classroom is unavailable. Password to these videos if asked is *linuspauling*.
 - i. Chapter 1: <https://vimeo.com/channels/164000/14216778>
 - ii. Chapter 2: <https://vimeo.com/14217141>
 - iii. Chapter 3: Part 1 <https://vimeo.com/13588248> and Part 2 <https://vimeo.com/channels/164000/104121824>

2. **Memorize the following Polyatomic Ions** (names, formulas, & charges) found on this quizlet flashcard link (also posted on classroom):

- a. https://quizlet.com/_17ktn6

- b. For tips on how to memorize ions easier follow the link to:
http://www.sciencegeek.net/APchemistry/APpdfs/AP_Summer_Packet.pdf
Memorizing Ions hints are on p. 4. Pages 6-7 have physical flashcards you can print.
 - c. There will be a quiz on this sometime in the first couple weeks of school.
 - d. Past AP students say this was very helpful to do over the summer!
3. While you are going through the notes and you get to a concept that you don't remember how to do or can't do on your own without the videos, this **optional paid resource** designed for getting kids ready for AP over the summer is available to you (for a \$45 fee for access the whole school year)
 - a. Units 1 - 12 review 1st year Chemistry topics. Please go through any parts of the Flinnprep curriculum that will help strengthen your weak areas. It is fully interactive and will help a lot! Each unit is estimated to only take 1-2 hours to go through.
 - b. This is especially awesome for those of you who will be seniors who haven't seen Chem for a whole year at this point or even for juniors who feel weak in certain areas.
 - c. It also has 2 full length AP Practice Exams you can use later...
 - d. For access:
<https://www.flinnsci.com/products/chemistry/advanced-placement/flinnprep-online-student-prep-course-for-ap-chemistry/> OR this link is on Google Classroom
4. If **you did not take Adv Chem** OR **you feel like you need to review tougher things from Advanced**, please see the **"If you did not take Adv chem"** topic on Google Classroom for resources. You are expected to be familiar with this material coming into AP.
5. Due to delays in the school year there are only a few topics that we cover in advance chem but rushed through this spring. These topics are introduced in the Google Classroom topic **What We Rushed Through**. Please go through these topics so you are familiar with them. I will be sure to teach them to you in depth during the year but the more you see something, the better!

My goal is to get you prepared for the AP Chem test in May and to have fun and work hard together along the way. I hope you have a great summer break!

Mrs. Curtis

AP and Advanced Chemistry Teacher

Health Careers High School

kimberly.curtis@nisd.net