AP Chemistry 2024-25

The purpose of Advanced Placement Chemistry is to provide a college level course in chemistry and to prepare the student to seek credit and/or appropriate placement in college chemistry courses. This course meets 47 minutes per day four out of six days and 94 minutes in 2 out of 6 days. This course is structured around the six big ideas articulated in the AP chemistry curriculum framework provided by College Board. Minimal time is spent on lecture since learning is active not passive. Emphasis is placed on depth of understanding of a topic, rather than breadth of topics. The general structure of the AP Chemistry program is as follows:

- Units last approximately 2 weeks.
- Reading of the textbook is **REQUIRED** before class.
- Take home tests/homework/multiple choice packets are due before unit exam.
- Tests occur at the end of each unit; some units are combined.
- Unit tests model the AP exam experience. Test will be given on a double period day.
- AP chemistry students will take a cumulative midterm.
- A final project will replace the final exam.
- The AP exam is required.
- An assignment covering Chapter 1-4 and parts of chapter 5 will be completed over the summer. Read these sections carefully. All material was introduced in Honors Chemistry.

Grading

- Tests 80%
- Quizzes and Homework 10 %
- Labs 10 %

Summer reading (Edition 10th)

Chapter 1, Chapter 2, Chapter 3. Unit test on Chapters 1-3 combined

Chapter 4.1-4.9: Table 4.1 you need to know Group 1, NO3- and NH4+ are soluble.

When you read the Chapters, you should be working through the examples shown in the textbook.

Each chapter has a supplemental **Study Guide** which was given out at the June meeting and is also on the website. These are your chapter notes. We will be completing some of these problems in class the first two weeks of school. You will have a naming compounds and chemical formula test the first week of school. Chapter 1-3 test will be the second week of school.

Textbook online: Chemistry, Zumdahl, 7thth edition. See drop down - **Introduction- Textbook.**

Textbook to be handed out: Chemistry, Zumdahl, 10th Edition.

The AP website has Google slides for each chapter: Zumdahl 10th Edition.

Homework/Review work: first week of school

https://sites.google.com/view/apchemsitrywganz **Yes, it is spelled wrong.**

Your notebook from Honors chemistry and your AP textbook are good resources for this review. You can also watch the AP Daily videos that are on the AP classroom if we can set it up in June. If not the login code for AP Classroom cannot be setup till the beginning of the school year.

I have posted the review work that you will be due the first day of class. The math section of your homework/review work must have the correct number of significant figures. Write a balanced equation for each reaction (where possible), label all units, and use dimensional analysis as often as you can. Learning dimensional analysis and using it, is a necessity in succeeding in this class. Take your time and practice, keeping your work neat, orderly, and well presented.

There will also be a multiple-choice packet that you will work on the first and second week of school that will be due the day before the first unit exam.

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