

AP CHEMISTRY

Summer Work

Over summer break, your main job should be to have fun, recharge, refresh, and do something productive with your time before the next school year. Therefore, I will never give a required assignment during the summer. With that said, students who choose not to complete the **optional** work below must be ready to hit the ground running in the fall so that we can all have a successful year.

- Purchase an AP/College Freshman Level chemistry textbook. I will be using Zumdahl's 10th edition of "Chemistry" but older editions are perfectly acceptable. (If you would like to buy something cheaper that is written by a different author, there are many acceptable texts. However, please email me at kmodes@whschool.org for approval before purchasing.)
- Read Chapters 1 through 4 (up to concentrations and solution stoichiometry) in their entirety. There is no need to read further than this point over summer break. (In older versions or textbooks written by a different author, these chapters cover the scientific method, systematic problem solving, significant figures, dimensional analysis, measurement and uncertainty, chemical history, atomic theory, atomic structure, the periodic table, chemical nomenclature, molar conversions, elemental analysis balancing equations, as well as stoichiometry and stoichiometric application problems.)
- Complete as many end-of-chapter problems as will be necessary so that you know and understand the above material "like the back of your hand". In order to maintain a proper pace in this course and allow for plenty of AP exam review at the end of the year, I would like to essentially start the year covering the second half of Chapter 4. (We will review the first three chapters briefly and will likely take our first test very early on in the new school year.)

Have a relaxing and enjoyable summer, contact me with any questions, and I'll see you all in the fall.

KM