

Dear Students,

Due to the vast amount of material covered in AP Chemistry, it is necessary and mandatory for students to complete a summer assignment. This summer assignment covers the basics studied in Honors Chemistry and any items that you must have memorized before taking AP Chemistry.

The third day back to school I will take up the summer assignment and each student will be given a test grade for this assignment. The fifth day back to school each student will take a quiz on the tables that they had to memorize which includes: solubility rules, common ions, polyatomic ions, strong acids/bases, ionic/covalent nomenclature and look over significant figures rules.

Please pick up your packet from Mrs. Kanipe before the end of the school year. If you have any questions this summer just email me at tkanipe@spartanburg3.org. I will check my school email at least once a week during summer break. I look forward to seeing you in August ready and eager to learn some awesome chemistry!

Included in each students packet:

- AP Chemistry 6 Big Ideas
- Reference sheets
- Lab Safety contract
- Periodic table (this periodic table will be given with the AP Chemistry test in May)
- 2 equation reference sheets (these will be given with the AP Chemistry test in May)
- Summer Assignment worksheets

Textbook and Materials:

- Scientific Calculator
- 3-Ring Binder
- Composition Book

Summer Topics

Scientific Method
Units of Measurement – SI system
Uncertainty in Measurement
Significant figures
Dimensional Analysis
Temperature
Density
Classification of Matter
History of Chemistry
Chemical Laws
Dalton's Atomic Theory
Early Atomic experiments
Modern View of Atom
Molecules and Ion
Introduction to Periodic Table
Naming of compounds
Atomic Masses, Molar Mass, and Mole
Percent Composition
Determining Formulas of Compounds
Chemical Equations
Balancing Chemical Equations
Stoichiometric Calculations
Limiting Reactants

Summer Assignment

Videos links are located on our Edmodo page.

Click on the following link <http://www.bozemanscience.com/>.

- Watch videos for Units 1-7 under the **Chemistry** link.
- Watch videos for the **AP Chemistry** link:
 - **Big Idea 1:** Atoms and Elements #'s 1,2,3,4,5,6 & 12
 - **Big Idea 3:** Chemical Reactions # 28
- **Complete Review worksheets in your packet**