Attention Upcoming AP Chemistry Student –

In AP Chemistry, we will "hit the ground running" come the first day of school, beginning to learn content that will require you to refresh on concepts taught in Honors Chemistry. Over the summer you are to visit (the AP Chemistry Class Website), http://apchem-apchemlady.weebly.com prioritizing the tab "Preparation for AP Chem."

There are three areas of focus to tackle prior to the first day of class:

1) **Foundational Concepts and Problem Solving**
   Polyatomic ions, Writing and Naming Chemical Compounds, Significant Figures, Dimensional Analysis
2) **Essential Chemistry Concepts (Backbone Understandings)**
   States of Matter, Physical and Chemical Properties and Changes, Classifications of Matter, Particulate Diagrams, and The Atomic Theory
3) **Chemistry Lab Equipment and Lab Safety Guidelines**

There will be an assessment on the THIRD day of school that will test the skills and knowledge asked of you on these sites. *Reading through the prepared material, watching the teacher tutorials, and completing the problems and questions on the site(s) will prepare you for the quiz.*

AP Chemistry is a challenging and rigorous course – your success is dependent upon your daily engagement in class and the investment of time and energy outside of class to "mentally digest" the content for mastery.
AP chemistry is equivalent to a full-year college-level class. We move quickly and study difficult concepts in-depth. It is vital that students plan to spend focused independent study time devoted entirely to AP chemistry. Just as time for work or sports is planned, AP chemistry time must be a part of the daily routine. Your goal must be to understand the material, not just get the assignments done. ***You must begin the course with the correct attitude.***

You may reach your AP Chemistry Teacher through email kendrickd@pt-sd.org the week prior to the start of school if you have any questions regarding the summer assignment.

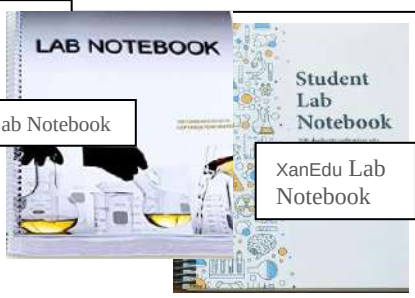
It is recommended that you keep a 2" three-ring binder for the course, to hold the many class handouts. **Lab work requires a carbonless Lab Notebook**, which you will need the first week of class.

Carbonless lab notebooks can be ordered through Amazon, and cost between $15.00-$18.00 each. T should be 100 pages in length.

Example Notebook from Hayden-McNeil Publishers
ISBN-13: 978-1930882744
ISBN-10: 1930882742

See you in August!

Get yourself ready for a challenging and rewarding course!



Barbakam Carbonless Lab Notebook

XanEdu Lab Notebook

Suggested Pacing Guide

Foundational Concepts & Problem Solving *Polyatomic Ions* *Writing & Naming Compounds* *Dimensional Analysis*	 *2-3 days, 15-20 minutes/day* *1-2 days, 15-20 minutes/day* *2-3 days, 15-20 minutes/day*
Essential Chemistry Concepts (Backbone Understandings) *Matter (states, changes, classifications, particulate diagrams, sample questions)* *Atomic Theory (models of atom, The Atomic Theory, Classic Atomic Expts. basic atom anatomy)*	 *2-3 days, 15-20 minutes/day* *3-4 days, 15-20 minutes/day*
Lab Equipment & Lab Safety Guidelines	*1-2 days, 15-20 minutes/day*
Summer Assignment Practice Problems	*2-3 days, 15-20 minutes/day*
Total Summer Commitment	*Typically Less than a total of 7 hours**

**Dependent on amount of review needed*