Welcome to AP Chemistry: Summer Assignment Info

Your summer assignment consists of you completing and understanding the first three chapters of the textbook, which is a review of a lot of the basic concepts of your previous chemistry course with some new material mixed in from time to time. This is lengthy and must be completed, and for the most part, mastered before you enter class in the fall!

Chapter 1

Matter, pure substances and mixtures, chemical and physical properties and changes, units of measurement and dimensional analysis, uncertainty and significant figures

Chapter 2

Basic atomic structure, atomic number and atomic mass, basic periodic table, ionic and molecular nomenclature (naming), empirical and molecular formulas

Chapter 3

Balancing equations, basic reactions, atomic mass, % composition, the mole, and stoichiometry, limiting reactants, percent yield

Review of all of these topics can be found on my website www.luckyscience.com under the chemistry course. There are worksheets and basic PowerPoints covering these topics.

**VODCASTS**

To help facilitate your work through the topics you will have access to online vodcasts made by yours truly. They will be able to be found through my website [www.luckyscience.com](http://www.luckyscience.com). There will be a tab on the main page which will be called AP summer work! Also on the main page you can find a link to AP vodcasts made by Bozeman. They are a great resource as well.

Expect this process to continue all year long so that class-time can be used more efficiently.

**OH YEAH, THERE IS A SYLLABUS TOO!**

Complete the syllabus showing all work! This will be handed in on the first day of class in the fall. This will take time as well.

Between the vodcasts and syllabus, expect your summer assignment to take between 10 and 15 hours total. Start early, spread it out, and pace yourself. You cannot get this done on the last weekend of the summer!

If you have any issues with anything, email me anytime at cluck@soudertonsd.org.

I look forward and am excited (really!) to begin in August. Enjoy your summer, and get your rest. You’ll need it.