AP Chemistry 2018-19
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Info for Incoming Students and Summer Assignments

Welcome to AP Chemistry class! This will be a very challenging class, but I will be with you, supporting you, every step of the way. You will learn an extraordinary amount of interesting chemistry and do well on the AP Chem exam. We will spend a lot of time working on exam-type questions. There are also many new and challenging labs to perform. It is very important to do all of your homework, all the time, on time, and to be present in class, every day. We move very quickly and you must keep up. If at any time you find yourself falling behind, confused, or having any issue whatsoever, TELL ME!! I am very approachable (ask the students who have already been in my classes.) I am ALWAYS available after school for help, except for Mondays. If you want to stay after school for help, please tell me and we will pick a day that's convenient for you. You can e-mail me anytime at wendy.decter@new-haven.k12.ct.us or wendy.decter@gmail.com. Your success in AP Chemistry will depend on you putting forth 100% of your best effort, consistently.

There are also many helpful websites that you can access. The primary website that you should continuously use is www.apchemistrynmsi.wikispaces.com. This is provided by the National Math and Science Initiative and is excellent. Go to the menu on the right and click on lecture notes and instructional videos. You can download or print PDF's with problems and watch the instructional videos to work the problems (the password to view the videos is linuspauling.) You can also use www.chemmybear.com, www.chemtutor.com, and www.sciencegeek.net.

Here is what you will need for class:

- 1 composition notebook (like the ones you had in elementary school) You can continue in your Honors Chem notebook to start with, if you have pages left.
- A binder with paper, a three hole punch, and dividers: you need a section for handouts, homework, class notes, returned tests and quizzes.
- A graphing calculator-you will need it every class!

The purpose of the summer assignment is to review and consolidate your understanding of 11th grade chemistry so we can get started right away on the "good stuff". I believe that to learn a concept one must read about it, write about it, and talk about it. So….

Here is the summer assignment:

1. Read Chapters 1, 2, 3, and 7 in the textbook (Brown LeMay) that I have given you.
2. As you read the book make an outline for each chapter, in the form that works for you (formal outline, notes, graphic organizers, Cornell notes) **IN THE COMPOSITION NOTEBOOK**. Be sure to include all of the important concepts in the chapter. Include unfamiliar vocabulary words and examples of how to work problems, and draw pictures if you find them helpful. MAKE A LIST OF

IMPORTANT EQUATIONS FOR EACH CHAPTER (look at the chapter summary for this as well).

3. Complete the assigned problems (see below) on **LOOSE LEAF** paper, so that you can hand them in. GET IN THE HABIT OF SHOWING ALL WORK, AS YOU MUST DO SO ON THE AP EXAM. PUT A BOX AROUND THE ANSWER. An answer without the steps leading up to it will get no credit. A numerical answer without units will get no credit. USE YOUR BEST HANDWRITING.
4. **ON THE FIRST DAY OF SCHOOL, bring your composition book with outlines (it will be your first grade), and your worked problems on loose-leaf paper. *YOU WILL HAVE A TEST ON THIS MATERIAL ON Friday, SEPTEMBER 7TH, 2018. IF THERE IS ANYTHING YOU DO NOT UNDERSTAND, E-MAIL ME OVER THE SUMMER AND ASK QUESTIONS WHEN WE RETURN.*** You do not need to bring your textbook to class.
5. Keep yourself (and me) organized by putting your name and the date and the assignment/topic on every page that you hand in. Keep handouts organized in your binder by date and topic.
6. JOIN OUR GOOGLE CLASSROOM USING THE CODE: 17ywekv
   This assignment will be posted there as well as the polyatomic ion list.
7. Have fun!

SUMMER ASSIGNMENT 2018-19

Memorize the names, formulas, and charges on the ***polyatomic ions*** list. (I will give it to you along with a book.) TEXT- Chemistry: The Central Science edited by Brown, LeMay and Bursten 11th edition.

Read and outline Chapters 1, 2, 3, AND 7, of Brown LeMay in your composition book.

On loose-leaf paper, complete the following **questions:**

Chapter 1 (pp. 31-35): 1.36, 1.37, 1.40, 1.41, 1.44 a and b only, 1.47 b only, 1.78

Chapter 2 (pp.72-76): 2.41, 2.42, 2.43, 2.44, 2.53, 2.55, 2.56, 2.60, 2.61, 2.64, 2.65, 2.66, 2.67, 2.70, 2.71, 2.75, 2.100

Chapter 3 (pp.108-114): 3.1, 3.4, 3.9, 3.12 a, b, c, and d only, 3.14 a, b, and c only, 3.18 a and b only, 3.22 (a,b, and c), 3.23 a and f only, 3.33, 3.38, 3.44, 3.49 b only, 3.57, 3.59

Chapter 7 (pp. 288-292): 7.4, 7.6, 7.11, 7.16, 7.23, 7.26, 7.30, 7.40, 7.46, 7.52, 7.60, 7.61, 7.68, 7.71, 7.74, 7.82

ON THE **FIRST DAY OF SCHOOL**, BRING YOUR COMPOSTION BOOKS WITH OUTLINES, YOUR WORKED PROBLEMS, YOUR BINDER, AND CALCULATOR.