

Welcome to Honors Chemistry!

We are about to embark on an amazing journey into the nanoscale world of chemistry in which we

- learn how to identify the substances of which matter is composed
- investigate the properties of these substances
- study how the substances interact, combine and change forming new substances

We will carry out many qualitative and quantitative laboratory experiments that will support this journey and will open your eyes to the beauty of the atom. I look forward to serving as your fearless leader and hope to share my love of chemistry with you as your teacher. In order to prepare for this adventure, I would like you to do the following this summer:

Required Summer Assignment

1. I will email you to let you know when your laptops will be available for pick-up at school this summer. After receiving your laptop, download the Chemistry textbook from Self Service following Mr. Zaubi's instruction (Authors: Wilbraham, Staley, Matta, and Waterman).
2. The following should be completed in a word document and uploaded to your class dropbox prior to the first day of school (see school webpage).
 - Read Chapter 1 in the text, and then complete the following:
 - In a paragraph, explain why *you* are interested in studying chemistry.
 - Starting on p. 59, answer #34, 35, 40, 43, 47, 50, 63
 - Read Chapter 2 in the text, and then complete the following:
 - Take photos of three elements, three compounds, and three homogeneous mixtures and three heterogeneous mixtures that you find around your house and make a labeled photo collage that you include in your word document. Label each photo with the formula and name for the elements and compounds.
 - Starting on p. 117, answer #39, 43, 48, 51, 52, 54, 59, 61, 64, 68, 72, 73, 77, 78, 84
 - Read Part I (p. 1 – 62) of the book *The Disappearing Spoon and Other True Tales of Madness, Love, and the History of the World from the Periodic Table of the Elements* by Sam Kean. (We will be using this book throughout the year, so purchasing your own is a worthwhile investment.)
 - Copy five passages that you found interesting in the reading.
 - Explain, in a paragraph for each, what fascinated you about each passage.

Please email me any time with questions. Looking forward to seeing you back at school in August!

Mrs. Adelson