**AP Chemistry Summer Assignments:**

**Students registered for the class will receive an email from Mr. Prey sharing a Google Drive folder that has all of the video files and pdf files for the summer assignment. If you register for the class late, you will need to contact Mr. Prey for access to the files. Kurt.Prey@bvhs.org**

Read chapters 1-4 in the textbook, Chemistry, ( Zumdahl and Zumdahl eighth edition) As you read each chapter pay close attention to any worked out problems. **Please confirm that you have access to the textbook on your iPad before summer break.** (There is also of scan of the first four chapters in the Google Drive folder)

After each chapter, please go to the shared Google Drive folder.

Download the pdf files that correspond to chapters 1-4, and store them as files in notability on your iPad. For each set of notes, there is a companion video that explains the notes and works though the problems**.**

Work out all of the sample problems in notability or on paper. There is a companion video for each chapter you should watch that will explain the chapter and **solves the problems in detail.**

These will be turned in via Canvas or hardcopy at the start of the school year.

**These are the files you need to work with from the NMSI website:**

**Chapter 1:**
**01 Chemical Foundations PDF:**
https://drive.google.com/open?id=16hvNlSwEoUB4Noz1-49nys5gByiRCXAh

**Chapter 1 Companion Video:**
https://drive.google.com/open?id=15TrcXoZJtgado_E03Zl_DvC_SEX2infl

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**Chapter 2:**
**02 Atoms, Molecules, Ions. PDF**
https://drive.google.com/open?id=19n2AP0ej9tI4X1PRkoCoJQ6X1iyIai7p

**Chapter 2 Companion Video:**
https://drive.google.com/open?id=1UCJqw7Av7-xGczAcRCXRNdX5IyNF4rao

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**Chapter 3:**
**03 Stoichiometry PDF** ( The teacher in the video does stoichiometry problems different than you learned in class- either way is fine)
https://drive.google.com/open?id=1ZzDovp1e5wQS5vMau2uTSuq0ncAR1xAv

**Chapter 3 Companion Videos:**
Part 1: https://drive.google.com/open?id=10O3o2zZH4jnr8QiWQfEC1I3Gh-gBtwiw
Part 2: https://drive.google.com/open?id=1ZyDXKaFpvzGADzMgdsam3tawlbKX2B7i

**Stoichiometry Worksheet PDF: (You only need to do the problems from 2000 and 2003B)**
https://drive.google.com/open?id=1N-T0HK10Cj50JQRqjLGygX3MvTsarWtR

**Stoichiometry Worksheet Videos:**
Part 1: https://drive.google.com/open?id=1S_UtBf3-wORQKVp-BSXmGKe6KICAd0Gx
Part 2: https://drive.google.com/open?id=1O_IwsXxqKgTOtorzQYKcm1QoKgzUnvQ_

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**Chapter 4**
**04 Types of Chemical Reactions & Solutions PDF**
https://drive.google.com/open?id=1QTlLPTao_XlrTYbRKvWDVsTbf6oKNR5z

**Chapter 4 Companion Videos:**
Part 1: https://drive.google.com/open?id=1cgDJr6rAEMuRdIBk7EhntNYsvMhsq7AS
Part 2: https://drive.google.com/open?id=1VAPimzJJ5aiYzpuTi2-_eOgEBwAg0-yZ
Part 3: https://drive.google.com/open?id=1oAV0kNjkXaXy6sXXySvLeMsGbOFLAwmE

**Net Ionic Equations with solubility rules PDF:**
At the end, it lists about 100 equations for you to write out. (**You only need to do the first five of each type)**

https://drive.google.com/open?id=1wEX7GgbKrK4A0-dEqU4DDF9C2yuWfGab

**Companion Videos:**
Net Ionic Redox Reactions Part I:
https://drive.google.com/open?id=1ObTuP0dJcT1cVvYZpavkUuGBJ1lSPGGd
Net Ionic Redox Reactions Part II: https://drive.google.com/open?id=161nfik4R8F6Fdu7LRfc-cwJBPRyjfBtS
Net Ionic Redox Reactions Part III: https://drive.google.com/open?id=1kP-VXIZdg2S86tfyY5Ny_CNNIHwzC5o9
Net Ionic Acid Base Neutralization Reactions:
https://drive.google.com/open?id=1Tww8enaBczoW5os_f5GKPNQ7scgPE7u8
Net Ionic Decomposition Reactions:
https://drive.google.com/open?id=1KZ9wEN6vDrCS88HvwZSBrScRCOVGs6f1
Net Ionic Addition or Composition Reactions:
https://drive.google.com/open?id=1dt9MVecnTZiCsA6UArt48--Z6kdo25kc

**Please e-mail me if you have any difficultly with the website or any aspect of this assignment.**