GOOD DAY 2019-2020 AP CHEMISTRY STUDENTS!

Most of your AP Chemistry Summer Work will be completed via Mastering Chemistry, an online resource that accompanies your textbook: *Chemistry—The Central Science*, 14th edition, by Brown & LeMay, et al. **You must earn an 85% cumulative average on the assignments AND the due dates must be met to be eligible to remain in AP Chemistry next year.**

In addition, on the back of this sheet is information you need to know for a **test on Day 2**.

For those of you who have NOT taken Honors Chemistry, this will be a daunting task, as you will be required to be very familiar with work done over an entire year of 10th grade chemistry. However, you would not have been approved to enroll in the AP course had you not shown your potential and perseverance.

To register, follow the instructions below:

1. Go to https://www.pearsonschool.com/access
2. Select your textbook (Covered Title) -- it's listed up there ▲ in the intro
3. Click Student Registration and accept the License Registration and Privacy Policy
4. Use an existing Pearson account or create a new one
5. Enter the access code: **SSNAST-BANJO-BOSSY-CAVAN-TRAWL-DENSE**
6. Click Next
7. Enter your personal information. Make sure you use a working email, and you must select Other and type in Davidson Fine Arts for the school.
8. Click Next.
9. Click Log in Now
10. The Course ID is **DFAAPCHEM2019**

Starting on ***May 27***, you will see all of your assignments – there are **45** of them!

The first two assignments you should complete are "Introduction to MasteringChemistry" and "Intro to DSMs." These two assignments are designed to familiarize you with the interface and how the system works. The other assignments are grouped by due date, but they can be completed in any order.

PROGRESSIVE DUE DATES:

June 30 – 15 of 45 assignments completed **by 10pm**

July 28 – 35 of 45 assignments completed **by 10pm**

August 4 – 45 of 45 assignments completed **by 10pm**

You can contact me throughout the summer via email – brownli@boe.richmond.k12.ga.us or via Remind (join **@dfaapchem**) – but you are best served by using your Internet research skills to answer most of your questions.

Good luck, and I'll see you next year!

P.S. If you would like to maximize your preparation for next year, I also recommend purchasing a 12-month license for "FlinnPREP Online AP Chemistry" ($22.95 at www.flinnprep.com) and the book Crash Course AP Chemistry by Adrian Dingle ($10.95 on Amazon).

Memorize the ions on this quizlet: https://quizlet.com/242711250/ions-to-memorize-dfa-flash-cards/

Memorize the solubility rules: https://tinyurl.com/y5rb6exa (Rules 1 & 2)

The following skills will be reviewed in the Mastering Chemistry work as well:

Learn how to use scientific notation and significant figures (digits) and how to calculate with them: https://www.chemteam.info/SigFigs/SigFigs.html (Tutorials 1, 2, 5, & 6)

Learn how to write orbital notation, electron configuration notation, and noble gas notation for atoms and ions: https://tinyurl.com/y4qwl4sm and https://www.chemguide.co.uk/atoms/properties/ionstruct.html

Learn how to name and write formulas for ionic, molecular (covalent), and acidic compounds: https://www.chemteam.info/Nomenclature/Nomenclature.html (all Tutorials)

Learn how to write and balance chemical equations: https://www.chemteam.info/Equations/Equations.html (all Tutorials except redox)

Learn how to do mole conversions: https://www.chemteam.info/Mole/Mole.html (Tutorials 1-6)

Learn how to perform stoichiometric calculations, including limiting reactant (reagent): https://www.chemteam.info/Stoichiometry/Stoichiometry.html (all Tutorials)

Learn how to calculate percent composition, empirical formula, and molecular formula https://www.chemteam.info/Mole/Mole.html (Tutorials 9-12)

Learn how to calculate molarity and dilutions: https://www.chemteam.info/Solutions/Solutions.html (Tutorials 1, 2, & 3)