

## WELCOME STEM SOPHOMORES!

- Honors STEM Chemistry
- Science assignment – is due the fourth day of school – contact: [jenny.lee@cobbk12.org](mailto:jenny.lee@cobbk12.org)

**Welcome to STEM Chemistry.** Questions? Contact: [jenny.lee@cobbk12.org](mailto:jenny.lee@cobbk12.org)

STEM Chemistry is for the student who desires a more in-depth study of science that will incorporate various aspects of science and math with an emphasis on both mastery and critical thinking/application skills. This is a fast-paced course that requires **much outside** classroom preparation. A summer assignment is essential to a good foundation as we incorporate more reading across the curriculum and giving all students an opportunity to learn more about what chemistry prior to starting the course! This class requires a **strong work ethic** and the ability to work independently. Let's start strong by getting ahead-start!

Make sure that you complete **all** parts of the summer assignment! The assignment will be due on the fourth day of the 2023-2024 school year. Do not wait until the end of the summer to start working!

**You MUST complete ALL sections and be ready for Section 1 the 4<sup>th</sup> day of school:**

Section 1: **Memorize the required elements (1-40) AND their location on the Periodic Table – expect an assessment** the fourth day of school (August 5<sup>th</sup>) over the following:

- a. Element symbol with correct capitalization (first letter capital, second lowercase)
- b. Correct spelling of the element (all lower case – not proper nouns)
- c. You do not need to know the numbers, but you do need to know the location on the periodic table as your test will be filling a blank periodic table.
- d. The best way to study is to print a blank table from the end of this packet or from the internet and practice filling it in. There is a song that is useful as well that sings them in the correct order.

Section 2: **YOU WILL HAVE TO LEARN ELEMENTS 41-92 (not including 58-71) for another assessment, which will be 2 weeks into school.** It is a good idea to go ahead and study these.

SEE DOCUMENTS ON NEXT PAGES:



## Elements Practice Page

This page is to help you learn the required elements. For each element 1-92 (excluding elements 58-71), you must be able to correctly spell the name of the element and you must be able to recall the element symbol with proper capitalization. This page is not to be turned in.

#	Name	Symbol	#	Name	Symbol
1			41		
2			42		
3			43		
4			44		
5			45		
6			46		
7			47		
8			48		
9			49		
10			50		
11			51		
12			52		
13			53		
14			54		
15			55		
16			56		
17			57		
18				SKIP ELEMENTS 58-71	
19			72		
20			73		
21			74		
22			75		
23			76		
24			77		
25			77		
26			78		
27			79		
28			80		
29			81		
30			82		
31			83		
32			84		
33			85		
34			86		
35			87		
36			88		
37			89		
38			90		
39			91		
40			92		