**Life Sized Periodic Table Project**

**Description:** Create a life-sized periodic table as a class. Each student will be assigned one element and must include the required information for their element.

**Element Information:**

The first three items are required and MUST be placed on ALL elements. Other items are suggestions and may be found for some elements and not for others. These are only suggestions, feel free to add any other interesting information you find for your element. Make sure it is clear what information you are talking about (don’t just put a number. Tell me what the number is and include units if necessary.)

1. Element symbol and Name
2. Atomic Number
3. Atomic Mass
4. Diagram of atom with protons, neutrons, and electrons (Bohr model)
5. Physical state at room temperature
6. Common uses
7. Melting/boiling points
8. Origin of name or symbol
9. Name of group (family)
10. Sources of the element
11. Metal, nonmetal, or metalloid
12. Physical properties
13. Abundance in Earth’s crust
14. Cost per lb, g, oz, etc.
15. Date of discovery and discoverer
16. Other facts of interest or unique information

* You must include 8 pieces of information in your project. The first 3 are required so you chose 5 other pieces of information to include in your project.
* You will be given a piece of colored paper that corresponds with your element. All of your information must go on the front of that paper so be organized.
* CREATIVITY COUNTS! Be creative in this. Add aspects to your paper that distinguish your element from the other elements (ex: uranium is radioactive so put the radioactivity symbol on it, a soda can is a great example of aluminum). 3D creativity is an aspect of this project (see rubric below)!
* If you are in GT this project will go in your GT folder

**Grading:**

This will count as a test grade. You will turn in 2 items – your completed element page and a typed list of information on your element page. You will be graded on the completeness and accuracy of your information as well as your creativity and neatness of your page.

Some Helpful Sources:

[http://www.chemeddl.org/collections/ptl/index.html](http://www.chemeddl.org/collenctions/ptl/index.html)

[www.webelements.com](http://www.webelements.com)

[www.chemicalelements.com](http://www.chemicalelements.com)

[www.ptable.com](http://www.ptable.com) (this is a great resource!)

\*\*\*NOTE: On your typed list you will include the website that you got your information off of as a reference. This is a part of your grade so do NOT use wikipedia as a reference. You can start your search there and then go to a legitimate website as a true reference. \*\*\*

Life Sized Periodic Table Project Rubric

* 5 points per piece of required information (40 points total): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Information is neatly written/organized (10 points): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Student obviously put forth a lot of effort (10 points): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Element page is creative and colorful (5 points): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Page has some creative 3D aspect (5 points): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Typed list of information w/ references (10 points): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Turned in on time (20 points): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Total (out of 100): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_