**Grade 9 Matter and Chemical Change Project**

Instructions:

1. Write your name out with as many elemental symbols as you can. Include atomic number and atomic mass like it was part of the periodic table. Then put them on a piece of clean paper, boxing each symbol, being sure to be neat and tidy. Also box letters from your name that you can’t match a symbol to.
2. Select 2 elements from your name that are as different as possible. For those 2, draw a diagram of each element that indicates the correct number of protons, neutrons and electrons. Use colour to differentiate the parts.
3. What are 2 compounds that are made from each element (4 compounds in total!)? Provide the name and chemical formula. Then, for both elements, choose one of the compounds and draw a molecular model of that compound (does not need to include protons, neutrons, or electrons).
4. What group and period do they belong to?
5. Describe the appearance of each of the 2 elements in their pure elemental form (at room temperature).
6. When and where was it discovered (or isolated/identified as an element)?
7. Find one example of how each element has been relevant in the news. You may use a compound containing that element.