**Science 9 - Adopt an Element Project OUTLINE – Monday, December 19, 2016**



 **Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DUE DATE: Thursday, December 22, 2016**

**EACH ONE OF THE SIX SQUARES SHOULD BE 170 mm by 170 mm (with 10 mm boarder) – See sample sheet provided!**

***STUDENTS MUST COMPLETE TWO SIDES OF THEIR SQUARES PER DAY***

***NOTE: IF NOT COMPLETED DURING CLASS TIME ONE MUST COMPLETE FOR HOMEWORK***

**Side 1** – Your Element

* **This side of your cube will look like the element’s box on the periodic table.**
* **YOU MUST INCLUDE YOUR NAME ON THIS SIDE**

**Side 2 –** Bohr Model

* **Find or draw a Bohr model of your element showing protons, neutrons and electrons.**
* **Use a key or labels.**
* **Make sure your electrons are in the correct energy levels and protons and neutrons are visible in the nucleus.**

**Side 3 –** Element Properties

* **In bullet form, list the chemical properties of your element. (Include 3 - 5 properties).**
* **In bullet form, list the physical properties of your element. (Include 3 - 5 properties).**
* **Include at least one picture representing a chemical or physical property.**
* **Make sure you have a title for each set of properties.**

**Side 4 –** History of the Element

* **In paragraph form (5 -7 sentences), write the history of your element. You might include some of these topics: who discovered your element, when and where and how it was discovered, the importance of the element in the past.**
* **Include at least one picture showing historical information about the element.**

**Side 5 –** Uses in Industry

* **In paragraph form (5 – 7 sentences), describe how your element is used. You might include some of these topics: one or more uses, how the element is manufactured, costs of using your element, importance of your element to economies throughout the world.**
* **Include at least one picture showing how your element is used.**

**Side 6 –** Fun and Fascinating Facts

* **In bullet form, choose 3 - 5 interesting facts that you have not used elsewhere on your project.**

Rubric

