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| **Science 8**  **Atomic Model Project** |  | **Name: Date: Block:** |

In order to put everything together you have learned from this chapter, you will make an atom model for one element on the periodic table. You will be required to use common household and/or craft materials to create atom parts such as protons, neutrons, electrons and electron shells.

Use any material you want as long as it’s safe and within reason!

Suggested materials:

* Glue gun
* Glue sticks
* Wire rings or pipe-cleaners
* Foam balls (multi-colour)
* String
* Paper

Along with the model, you will be writing a short information card containing the following information about your chosen element:

* Name of element, symbol, atomic number, atomic mass
* Key (legend) for your model
  + Identify what you used to represent protons, neutrons and electrons
* Where the element is located on the Periodic Table (period and group/family)
* How the element was discovered
* Properties:
  + Melting Point
  + Boiling point
  + State (solid, liquid gas) at room temperature
  + Colour
  + Odour
* Everyday or industrial uses of the element
* A fun fact!

Because there are several elements with extremely high atomic numbers, you will be required to choose one of the elements listed below for your model:

|  |  |  |
| --- | --- | --- |
| Boron  Carbon  Nitrogen  Oxygen  Fluorine | Neon  Sodium  Magnesium  Aluminum  Silicon | Phosphorus  Sulfur  Chlorine  Argon |

**Your element: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**This project is due on: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**