Chemistry Unit Project

# Development of the Periodic Table

## Content

1. Video Presentation replacing PowerPoint presentation
2. 3D Model
3. Brochure
4. Copy of Video Experiments

### Video Presentation – Minimum of 7 min and maximum of 10 min

* Periodic Table History
* (Alkali Metals, Earth Metals, Boron, Carbon, Nitrogen, Oxygen, Halogens, Noble Gases) Group History
* Elemental Descriptions – Description for each of the elements in your group
  + Element name, Chemical symbol, Atomic Number, Atomic Mass
  + Boiling Point
  + Melting Point
  + Brief History
    - Who discovered each
    - Who discovered the group
    - What is the element used for & what was it used for
    - Where does it come from
    - When did it make it to the periodic table
  + Bohr Diagram/Models
* Experiments that some of the elements could be used for
* What are major reactions with the elements
* Anything else you believe to be important for your group of the periodic table

### 3D Model

* Be Creative
* Must fit into the cupboard like the past project – measurements found on the board
* Colorful
* Title
* Includes a minimum of 1 3D Bohr Model for an element
* All elements must be present on the project
  + Include element name, chemical symbol, atomic number, atomic mass
* Any other information that you have found and believe to be important to the model

#### Remember this must be a 3D project and should also be as creative as possible. Use your class time very wisely.

### Brochure

* Colorful
* Pictures
* Title
* Group members names
* Opens left to right
* Information & content
  + It is up to you what you put on this brochure. What are the important parts for your audience to know? Remember do not information overload your sheet.
* Must have enough copies for everyone in your class as well as the teacher.

### Copy of a Viral Video Experiment – Minimum of 2 min and maximum of 5 min

* Search the internet and find a video that best suits your group off the periodic table. Whether that is a video with cool experiments or that describes your group or elements in greater details. This video needs to be in copy form and not just the URL link, if time permits we will watch them all in class. A dropbox account will be set up for the class or another means will be figured out as students are not to bring any assignment on USB.