Science, Grade 9, Academic

SNC 1D – Chemistry

Atoms, Elements and Compounds

Big Ideas:

* Elements and compounds have specific physical and chemical properties that determine their practical uses.
* The use of elements and compounds has both a positive and negative effect on society and the environment.

How do we get there?

* Learn the appropriate terminology related to atoms, elements and compounds.
* Experiment on common elements and compounds to determine their physical and chemical properties
* Distinguish between common compounds based solely on the observation of their chemical and physical properties.
* Do tests to identify some common gases.
* Construct models to represent simple molecules.

Using what foundation?

* The evolution of the atomic model based on experimentation
* Location and properties of subatomic particles
* Definition of elements and compounds
* Chemical and physical properties of substances
* Bohr-Rutherford diagrams
* Trends on the periodic table based on Bohr-Rutherford diagrams
* Symbols used on the periodic table

Are you ready……let’s get going!!!