Unit 2 – Atoms and the Periodic Table

**Archdiocese standards 8th grade**

1. Structure of an atom, ions and isotopes
2. Knowing chemical symbol and meaning
3. Recognize elements by symbol
4. Understand periodic table

**Ohio 9th standards**

* + Models of the atom
  + Periodic law
  + Representative groups

**Concepts- Chapter 3**

Atom model has evolved through time

model involves a neutron, proton (+) and electron (-)

Outer electrons are shared or transferred to create bonds

Evolution of the current periodic table from Mendeleev’s original

* + How and why arranged this way
  + Names and properties of groups/families

Reading a periodic table square, understanding and applying knowledge of the symbols and other data

Characteristics and position of metals, non-metals and metalloids on the periodic table

Activities

STEMM connection:

Inquiry: Mendeleev explore