**Pre-AP Chemistry Weekly Lesson Plans:**

**10/09/17**

NO SCHOOL

**10/10/17**

ALCOS: 3.) Use the periodic table as a systematic representation to predict properties of elements based on their valence electron arrangement.

a. Analyze data such as physical properties to explain periodic trends of the elements, including metal/nonmetal/metalloid behavior, electrical/heat conductivity, electronegativity and electron affinity, ionization energy, and atomic-covalent/ionic radii, and how they relate to position in the periodic table.

Topic: Periodic Table

Agenda:

1. Warm Up
2. Test Review
3. Metal, Nonmetal, and Metalloid Notes
4. Color Code PT

Homework: Make sure M,NM, and Metalloids are color coded.

**10/11/17**

ALCOS: 3.) Use the periodic table as a systematic representation to predict properties of elements based on their valence electron arrangement.

a. Analyze data such as physical properties to explain periodic trends of the elements, including metal/nonmetal/metalloid behavior, electrical/heat conductivity, electronegativity and electron affinity, ionization energy, and atomic-covalent/ionic radii, and how they relate to position in the periodic table.

Topic: Periodic Table

Agenda:

1. Warm Up
2. Notes on Families
3. Color Code PT with Families and Questions (turn in before you leave)

Homework: None

**10/12/17**

ALCOS: 11.) Construct an explanation that describes how the release or absorption of energy from a system depends upon changes in the components of the system.

1.) Obtain and communicate information from historical experiments (e.g., work by Mendeleev and Moseley, Rutherford's gold foil experiment, Thomson's cathode ray experiment, Millikan's oil drop experiment, Bohr's interpretation of bright line spectra) to determine the structure and function of an atom and to analyze the patterns represented in the periodic table.

Topic: Electrons

Agenda:

1. Warm Up
2. 2.5 Notes
3. Wavelength Practice Problems

Homework: Finish Problems

**10/13/17**

ALCOS: 11.) Construct an explanation that describes how the release or absorption of energy from a system depends upon changes in the components of the system.

1.) Obtain and communicate information from historical experiments (e.g., work by Mendeleev and Moseley, Rutherford's gold foil experiment, Thomson's cathode ray experiment, Millikan's oil drop experiment, Bohr's interpretation of bright line spectra) to determine the structure and function of an atom and to analyze the patterns represented in the periodic table.

Topic: Electrons

Agenda:

1. Warm Up
2. 2.6 Notes
3. PHET Simulation
4. Energy and Waves Practice

Homework: Finish Problems