Maureen M. Drees

Chemistry Lesson Plans

January 8-12, 2018

Note: Wednesday will be a 1:25 dismissal for professional development.

Essential concepts and skills emphasized in the week’s lessons will be highlighted.

Disciplinary Core Ideas

Life Science

1. From molecules to organisms: Structures and processes

2. Ecosystems: Interactions, energy, and dynamics

3. Heredity: Inheritance and variation of traits

4. Biological Evolution: Unity and diversity

Earth and Space Science

1. Earth’s place in the universe
2. Earth’s systems
3. Earth and human activity

Physical Science

1. **Matter and its interactions**
2. Motion and stability: Forces and interactions
3. Energy
4. Waves and their applications in technologies for information transfer

Science and Engineering Practices

1. Asking questions and defining problems
2. Developing and using models
3. Planning and carrying out investigations
4. **Analyzing and interpreting data**
5. Using mathematics and computational thinking
6. Constructing explanations and designing solutions
7. **Engaging in argument from evidence**
8. **Obtaining, evaluating, and communicating information**

Cross-Cutting Concepts

1. Patterns
2. Cause and effect
3. Scale, proportion, and quantity
4. Systems and system models
5. **Energy and matter**
6. Structure and function
7. Stability and change

Monday—

* 1. Element of the Day
  2. Assign new chemistry numbers
  3. See book covers
  4. Board Problems—Writing the Name and Formula of a Compound with a Polyatomic Ion
  5. WS 8

Tuesday—

* + 1. Element of the Day
    2. Review writing names and formulas (with and without polyatomic ions) for ionic compounds
    3. Review electron configurations
    4. WS 9-10

Wednesday—shortened periods

* + - 1. Element of the Day
      2. Check WS 9-10
      3. Board Problems—Writing Electron Configurations, Writing Names and Formulas of Ionic Compounds
      4. WS 13-14, 17-18

Thursday—

* + - * 1. Element of the Day
        2. Check WS 13-14, 17-18
        3. Preview Chapter 5 Test—Ionic Compounds
        4. SR 5,8,9,10,11 pg 165 + SR 2 pg 175 + SR 2,3, 5-8 pg 180 + CR 27, 28,34 pg 184 due Monday (will work on Friday as well)

Friday—

Element of the Day

Draw numbers to practice vocabulary

Continue working on CR due on Monday