Maureen M. Drees

General Science Lesson Plans

April 23-27, 2018

Note: Wednesday is a 2:25 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. Check Chapter 13 Vocabulary WS
  2. Preview Chapter 13 Test—Chemical Bonding—for Tuesday
  3. Draw numbers to practice vocabulary
  4. Construct chart in notes with group number, number of valence electrons, charge
  5. Practice telling group number, number of valence electrons, charge

Tuesday—

* + 1. Go Fish
    2. Practice telling group number, number of valence electrons, charge
    3. Draw numbers to practice vocabulary
    4. Popcorn Read
    5. Prepare for Chapter 13 Test together
    6. Play Name that Element, if time

Wednesday—shortened periods

1. Chapter 13 Test—Chemical Bonding

Thursday—

* + - 1. Go over Chapter 13 Test, journal
      2. See semester grades to this point
      3. Clean out folders, save periodic table
      4. Periodic Table WS (from PS folder)

Friday—

* + - * 1. Check Periodic Table WS
        2. Examine chemical reaction—copper in nitric acid, figure out where electrons moved
        3. Experiment with magnets, work out that like charges repel and unlike charges attract