Maureen M. Drees

General Science Lesson Plans

November 6-10, 2017

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. Preview Chapter 4 Test—Elements, Compounds, Mixtures—for Friday
  2. Go Fish
  3. Draw numbers to practice vocabulary
  4. Vocabulary WS

Tuesday—

* + 1. Check Vocabulary WS
    2. Go Fish
    3. Classify metals, nonmetals, and metalloids, record
    4. Repeat for compounds, elements

Wednesday—shortened schedule

* + - 1. Draw numbers to practice vocabulary
      2. Find where in book solutions, suspensions, and colloids are explained, establish criteria for descriptions
      3. Model writing description
      4. Write two descriptions for each special type of mixture

Thursday—

* + - * 1. Review criteria
        2. Edit sentences, show Mrs. Drees for daily grade
        3. Go Fish
        4. Prepare for Chapter 4 Test together

Friday—

Chapter 4 Test—Elements, Compounds, Mixtures

Read or work quietly