Maureen M. Drees

Chemistry Lesson Plans

October 16-20, 2017

Note: Wednesday afternoon is 2:25 dismissal for teacher work time.

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. Go Fishing
  3. Prepare for test together
  4. Chapter 2 Vocabulary and Highlights (will check on Wednesday)

Tuesday—

1. Chapter 2 Test—Matter and Energy

Wednesday—shortened schedule

1. Element of the Day
2. Check Chapter 2 Vocabulary and Highlights WS
3. Go over Chapter 2 Test, semester grades to this point
4. Clean out folders
5. Read aloud part of Rumpletstiltskin, discuss alchemists’ role in beginning chemistry

Thursday—

1. Element of the Day
2. Take notes over Atomic Theory, use graphic organizer
3. Examine effects of hydrogen peroxide and water on liver, tie into The Law of Definite Proportions
4. Bring scissors and coloring supplies for Friday

Friday—

* + - 1. Element of the Day
      2. Finish graphic organizer, if needed
      3. Model setting up matchbook
      4. Talk through requirements (Law of Definite Proportions, Law of Conservation of Mass, Law of Multiple Proportions, Dalton’s 5 Laws, laws on outside of matches, definitions on insides, colored pictures representing law on inside of matchbooks)