Maureen M. Drees

Chemistry Lesson Plans

September 25-29, 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. Element of the Day
  2. Check CR 2-4, 14-16, 26-29, 31ab, 32 pgs 31-2
  3. Answer questions about Tuesday’s test

Tuesday—

1. Chapter 1 Test—The Science of Chemistry
2. Read or work quietly

Wednesday—shortened schedule

1. Element of the Day
2. Go over test
3. See semester grades to this point
4. Clean out folders

Thursday—

1. Element of the Day
2. Notes—Endothermic and Exothermic Reactions, Converting C to K
3. Read page 38-45 over Energy
4. Complete study guide 2.1 #1-17

Friday—

1. Element of the Day

2. Check 2.1 Study Guide #1-17

3. Exothermic Reaction Demo

4. Notes—Model and Guided Practice—Specific Heat

5. Specific Heat, Converting C to K WS