Maureen M. Drees

Chemistry Lesson Plans

January 1-5, 2018

Note: Monday, Tuesday, and Wednesday are winter break.

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—doesn’t meet

Tuesday—doesn’t meet

Wednesday—doesn’t meet

Thursday—

* 1. Use puzzle pieces to establish new seating chart
  2. Revisit data sheet
  3. Will assign new chemistry numbers on Monday
  4. Will see that book is covered on Monday
  5. Review Writing Names and Formulas of Ionic Compounds
  6. WS 6-7

Friday—

* + 1. Element of the Day
    2. Check WS 6-7
    3. Two-Column Notes—Writing the Names and Formulas of Ionic Compounds with Polyatomic Ions