Maureen M. Drees

Chemistry Lesson Plans

October 30-November 3, 2017

Note: Tuesday Nancy Stammer will sub will Tina and I work with Corey. Wednesday is a 1:25 dismissal for professional development. Thursday is the musical matinee.

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 WS 2-4
  3. Share wooden models of Electron Configuration
  4. Begin to take notes over Electron Configuration using Graphic Organizer 3.3

Tuesday—Mrs. Stammer

* + 1. Element of the Day
    2. Finish Graphic Organizer 3.3
    3. Color Code Periodic Tables to show s,p,d,f orbitals and number periods within orbitals

Wednesday—shortened schedule

1. Model using periodic table to write electron configurations
2. Work in pairs to complete board problems over electron configurations

Thursday—matinee

* + - 1. Element of the Day
      2. Electron Configuration Board Problems, must confirm to go on
      3. Electron Configuration WS I

Friday—

1. Element of the Day

2. Work electron configuration for element in F block together

3. F Block Electron Configuration Board Problem, must confirm to go on

4. Electron Configuration WS II