Maureen M. Drees

Physical Science Lesson Plans

May 7-11, 2018

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. Check Chapter 11 Vocabulary WS
  2. Complete charge, mass, location chart for subatomic particles
  3. Practice naming isotopes
  4. Chapter Review 1-16, 21-23 pgs 296-7

Tuesday—

* + 1. Check Chapter Review 1-16, 21-23 pages 296-7
    2. Draw numbers to practice vocabulary
    3. Prepare for Chapter 11 Test together

Wednesday—shortened periods

* + - 1. Chapter 11 Test—Introduction to Atoms
      2. Periodic Table WS (2 sides) due Thursday

Thursday—

* + - * 1. Check Periodic Table WS
        2. Go over Chapter 11 Test, journal
        3. See semester grades to this point
        4. Clean out folders, save periodic table
        5. Read and take book notes 12.1 Arranging the Elements pages 302-309

Friday—

Check 12.1 Book Notes

Examine samples of metals to review ductile and malleable properties

Read and take book notes 12.2 Grouping the Elements pages 312-317