Maureen M. Drees

Physical Science Lesson Plans

April 23-27, 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. Go Fishing
  2. Chapter Review 1-9, 11-16, 18-19, 21-26 pgs 272-273
  3. Preview with students, make notes about 23

Tuesday—

* + 1. Check CR 1-9, 11-16, 18-19, 21-26 pgs 272-273
    2. Go Fishing
    3. Prepare for Chapter 10 Test—Heat--together

Wednesday—shortened periods

* + - 1. Chapter 10 Test—Heat
      2. Read or work quietly

Thursday—

* + - * 1. Go over Chapter 10 Test, journal
        2. See semester grades to this point
        3. Clean out folders, save periodic table
        4. Bring three colors of pens, highlighters, or colored pencils for Friday
        5. Notes—Mass Number, Atomic Number, Writing Isotope Name and Symbol, number of protons, neutrons, and electrons, placing protons, neutrons, and electrons in atoms

Friday—

Model how to write isotope name and symbol and draw diagrams of its protons, neutrons, and electrons

Guided Practice

Each student selects two isotopes (one with lower atomic number, one with high atomic number)

Draws isotope diagrams for Monday