Maureen M. Drees

Physical Science Lesson Plans

May 14-18, 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 12.2 Book Notes
  2. Burn Magnesium Demo, process
  3. Classify statements about alkali metals, alkaline-earth metals, transition metals, and lanthanides/actinides using letters
  4. Discuss and record
  5. Classify statements about metalloids, halogens, noble gases, and hydrogen using letters
  6. Discuss and record

Tuesday—

* + 1. Classify statements as metals, metalloids, and non-metals
    2. Preview Chapter 12 Test—The Periodic—for Friday
    3. Highlight fill-in-the-blanks
    4. Preview semester test for Wednesday and Thursday
    5. Bring coloring supplies for Wednesday and Thursday
    6. Chapter 12 Vocabulary WS

Wednesday—shortened periods

* + - 1. Check Chapter 12 Vocabulary WS
      2. Expectations for Eight Groups of Elements Graphic Organizers
      3. Share past examples of Eight Groups of Elements Graphic Organizers
      4. Work time for Graphic Organizers

Thursday—

* + - * 1. Draw numbers to practice vocabulary, fill in the blanks, classifying
        2. Work time for Graphic Organizers, due Friday

Friday—

Hand out folder of old tests, must hand back on Thursday, let students know that vocabulary and math problems will be on the semester test

Hand in Graphic Organizers

Chapter 12 Test—Periodic Table