Maureen M. Drees

General 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. Pick up series circuits in student number order
  2. Reminder that test will be Tuesday
  3. Draw numbers to practice Chapter 17 Vocabulary
  4. Practice fill-in-the-blanks relating to electric current and electric energy
  5. Rebuild parallel circuit
  6. Students draw parallel circuit—a battery, 4 lights, a switch, labeled and neat, wiring paths, 4 facts

Tuesday—

* + 1. Pick up parallel circuits in student number order
    2. Chapter 17 Test—Introduction to Electricity
    3. Read or work quietly

Wednesday—shortened periods

* + - 1. Go over Chapter 17 Test
      2. Journal, semester grades to this point
      3. Clean out folders, save periodic table
      4. Use jump rope and Slinky to introduce transverse and longitudinal waves
      5. Read, discuss, and take book notes 20.1 The Nature of Waves pages 574-579

Thursday—

* + - * 1. Finish reading, discussing, and taking book notes 20.1 The Nature of Waves
        2. Use Newton’s Cradle to show transfer of energy
        3. Listen to ruler hitting desk through air and through desk, discuss which medium makes it easier to hear sounds
        4. Popcorn Read and work on vocabulary for 20.1

Friday—  
 1. Hand out folder of old tests, must hand in on Thursday

2. Preview semester test for next Thursday

3. Go Fish for Chapters 6 and 8 Vocabulary Words

4. Draw numbers to practice 6 and 8 Vocabulary Words

5. Chapters 6 and 8 Vocabulary Review (use book, not old tests)