Maureen M. Drees

General Science Lesson Plans

September 18-22, 2017

Note: Wednesday is a 2:25 dismissal for professional development. Friday afternoon is Homecoming.

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. Hand back model descriptions
  2. Match measuring tool with unit
  3. Go Fish
  4. Popcorn Read
  5. Prepare for Test together, something to read or work on when done

Tuesday—

* + 1. Chapter 1 Test—The World of Physical Science
    2. Read or work quietly

Wednesday—shortened schedule

* + - 1. Go over Chapter 1 Test
      2. See semester grade to this point
      3. Clean out folders
      4. Periodic Table Scavenger Hunt

Thursday—

* + - * 1. Walk through Measuring Volume Lab
        2. Carry out Lab,
        3. Complete Lab Sheet, Hand in
        4. Begin to read and take book notes together 2.1 What is Matter?

Friday—may adjust periods (will most likely miss last week or this week due to Homecoming, only 1st hour meets)

Finish reading and taking book notes

Periodic Table Scavenger Hunt