Maureen M. Drees

Physical Science Lesson Plans

September 25-29, 2017

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 over Chapter 1 Test
  2. Semester grades to this point
  3. Clean out folder
  4. Read together pg 34 Imagine…
  5. Read and take book notes 2.1 What is Matter?

Tuesday—

* + 1. Check 2.1 Book Notes
    2. Model, Guided Practice—Finding Volume of Regular Solid
    3. Students predict order of regular solids from least volume to most
    4. Students measure objects, calculate volumes, compare to predictions
    5. Figuring Volume of Solids WS

Wednesday—shortened schedule

* + - 1. Check Figuring Volume of Solids WS
      2. Groups of students sort statements into those true for mass and those true for weight
      3. Record statements in discussion notes
      4. Work together to complete volume statements on page 37

Thursday—

* + - * 1. Students demonstrate how to measure mass with triple beam balance and weight with spring scale
        2. Walk through Measuring Mass and Weight Lab
        3. Conduct Lab
        4. Write up

Friday—

Discuss and hand in Measuring Mass and Weight Lab

Use a heavy and light ball to develop concept of inertia

Journal—Inertia is an advantage (disadvantage)…

Share Journal Entries

Draw numbers for vocabulary

Chapter 2 Vocabulary WS