Maureen M. Drees

Physical Science Lesson Plans

November 13-17, 2017

Note: Tuesday afternoon I’ll be at the DLT meeting. Ann Zaiger is my substitute. 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. Pull numbers to practice vocabulary
  2. Chapter Review 1-22 pages 100-101, set up concept map together

Tuesday—

* + 1. Check CR 1-22 pages 100-1
    2. Prepare for test together

Wednesday—shortened schedule

* + - 1. Chapter 4 Test—Elements, Compounds, and Mixtures
      2. Read or work quietly

Thursday—

* + - * 1. Go over Chapter 4 Test, Journal
        2. Semester grades to this point
        3. Clean out folders
        4. The Domino Derby (use cell phones to time)
        5. Students complete lab sheet as they conduct the investigation of motion

Friday—

Questions about Domino Derby Lab, decide what kind of graph would work best (use page 107)

Model, guided practice—Calculating Average Velocity, show difference between speed and velocity

Calculating Average Velocity WS + graph for Domino Derby Lab