Maureen M. Drees

Physics Lesson Plans

December 4-8, 2017

Note: Tuesday afternoon Mr. Zobel will substitute while I’m at the DLT meeting. Wednesday is a 1:25 dismissal.

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. Chapter 3 Test—Motion in Two Dimensions—must do vocabulary and cloze today
  2. Reminder about using steps to explain how to solve NSEW problem

Tuesday—Allen

1. Continue Chapter 3 Test

Wednesday—shortened schedule

* + 1. Finish Chapter 3 Test
    2. Read or work quietly

Thursday—

* + - 1. Go over Chapter 3 Test
      2. Journal
      3. See semester grade to this point
      4. Read aloud Bridges Go From Here to There
      5. Use rubric to walk class through requirements of Bridge Building Challenge, rubric for working in group skills, everything due Thursday of next week
      6. Use puzzle pieces to form groups
      7. Groups plan

Friday—

1. First bridge building day