Maureen M. Drees

Physical Science Lesson Plans

January 15-19, 2018

Note: Monday is the WIC Professional Development Day. Tuesday Allen Zobel will be my afternoon substitute while I’m at the District Leadership Team meeting. 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—doesn’t meet

Tuesday—Mr. Zobel 7th Hour

* 1. Pairs edit projectile motion descriptions, hand in
  2. Brainstorm action/reaction pairs
  3. Model how to write sentences describing examples of action/reaction pairs where action and reaction is specified
  4. Students write three descriptions

Wednesday—shortened periods

* + 1. Edit action/reaction descriptions, hand in
    2. Preview Chapter 6 Test—Forces in Motion—for Monday
    3. Highlight fill-in-the-blanks
    4. Board Problems F=ma (draw numbers)
    5. Chapter 6 Vocabulary WS

Thursday—

* + - 1. Check Chapter 6 Vocabulary WS
      2. Go Fishing
      3. Popcorn Read pages 154-155
      4. Chapter Review 1-19 pages 156-157, set up concept map together

Friday—

* + - * 1. Check Chapter Review 1-19 pages 156-157
        2. Go Fish
        3. Prepare for Chapter 6 Test Monday