Maureen M. Drees

Physics 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—

* 1. Check PD 1-3 pg 139
  2. Notes—Net Forces (horizontal and vertical), use gross/net pay analogy, model and guided practice—Horizontal and Vertical Problems

Wednesday—shortened periods

* + 1. Board Problem, must confirm to go on
    2. Net Force WS

Thursday—

* + - 1. Check Net Forces WS
      2. Board problems, must confirm to go on
      3. Net Forces II WS

Friday—

* + - * 1. Check Net Forces II WS
        2. PE 1,3 pg 141 + SR 1-5 (omit 3b) pg 143, begin to set up PE together