Maureen M. Drees

Physics Lesson Plans

November 6-10, 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. Check Second Soh-Cah-Toa WS
  2. Model, guided practice—Finding Resultant Magnitude and Direction
  3. PA 1-4 pg 89 + Trig Practice WS

Tuesday—

* + 1. Check PA 1-4 pg 89 + Trig Practice WS
    2. Model, guided practice—Resolving Vectors into Components
    3. PB 1-4 pg 92 + PP 16, 24-25 pg 109

Wednesday—shortened schedule

* + - 1. Check PB 1-4 pg 92 + PP 16, 24-25 pg 109
      2. Model, guided practice—NSEW Problem

Thursday—

* + - * 1. Work another NSEW problem together
        2. NSEW WS—Turkey Dinner

Friday—

Check NSEW Turkey Dinner WS

Enjoy humor of NSEW WS—Dognapping

Board Problem—NSEW, must confirm to go on

Dognapping WS