Maureen M. Drees

Physics Lesson Plans

November 20-21, 2017

Note: There is no school Wednesday, Thursday, and Friday due to Thanksgiving break.

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 Objects Launched at an Angle WS
  2. Golf Ball Board Problem
  3. Objects Launched Horizontally and Objects Launched at an Angle WS (starts with tennis ball problem)

Tuesday—

* + 1. Check Tennis Ball Problem WS
    2. Objects Launched Horizontally and Objects Launched at an Angle WS (starts with car driven off cliff problem, convert km/hr to m/s on #1)

Wednesday—doesn’t meet

Thursday—doesn’t meet

Friday—doesn’t meet