Maureen M. Drees

Physical Science 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 Calculating Average Velocity WS + hand in Domino Derby Lab with graph
  2. Model, guided practice—Calculating Average Acceleration
  3. Calculating Average Acceleration WS

Tuesday—

1. Check Calculating Average Acceleration WS  
 2. Notes—Calculating accelerations with final and initial velocities, use students moving across room in different ways and stopwatch function on cell phones to compute

3. Calculating Accelerations with Final and Initial Velocities WS

Wednesday—doesn’t meet

Thursday—doesn’t meet

Friday—doesn’t meet