Maureen M. Drees

Physics Lesson Plans

December 11-15, 2017

Note: Wednesday is a 2:25 dismissal.

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. Second bridge building day

Tuesday—

* 1. Hand back folder of old tests, need to be handed in day of semester tests
  2. Preview semester test
  3. Third bridge building day

Wednesday—shortened schedule

* 1. Last bride building day
  2. Reminder that blueprints and bridges are both due tomorrow

Thursday—

* + 1. Test bridges with washers
    2. For fun, test bridges that hold the maximum number of washers to see how much weight they hold
    3. Clean up, process, score rubric for working in groups
    4. Vocabulary review WS

Friday—

* + - 1. Hand back scored rubrics
      2. Check vocabulary review WS
      3. Begin math review WS, confirm answers against back page