Maureen M. Drees

Physics Lesson Plans

October 9-13, 2017

Note: Tuesday afternoon is 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—

* 1. Check rest of 2 worksheets
  2. Blue Board Problems—must confirm to go on
  3. PE 1-6 pg 58

Tuesday—Substitute

* + 1. Check PE 1-6 pg 58
    2. Green Board Problems—must confirm to go on
    3. Teacher-made WS (A car moving at 88.0…)

Wednesday—shortened schedule

* + - 1. Check teacher-made WS
      2. Examine YouTube video of dropping feather and hammer on moon
      3. Falling Objects notes
      4. Model, Guided Practice—Adapting kinematic equations for falling objects and symmetrical problems

Thursday—

* + - * 1. Board Problems
        2. Read page 64 “The Inside Story of Sky Diving”
        3. Notes—Terminal Velocity
        4. Algebra Review WS

Friday—

Check Algebra Review WS

Set up, conduct, record results of Mini Lab—Testing Reaction Times

PF 1-3 pg 64