Maureen M. Drees

Physical Science Lesson Plans

February 5-9, 2018

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—

Check book notes over pages 168-172 Buoyant Forces

Use folded pieces of paper for students to try out Bernoulli’s Principle

Ping Pong Ball and Hair Dryer Demo

Read and take book notes over 7.3 Bernoulli’s Principle pages 173-177

Tuesday—

Check 7.3 Book Notes

Preview Chapter 7 Test—Forces in Fluids—for Friday

Go Fish

Popcorn Read Chapter Highlights pages 178-179

Chapter 7 Vocabulary WS

Wednesday—shortened periods

Check Chapter 7 Vocabulary WS

Highlight fill-in-the-blanks

CR 1-20 pages 180-1, set up concept map together

Thursday—

Check Chapter Review 1-20 pages 180-181

Draw student numbers to practice vocabulary

Prepare for test together

Friday—

1. Chapter 7 Test—Forces in Fluids, put equations on board
2. Read or work quietly