Maureen M. Drees

Physical Science Lesson Plans

January 1-5, 2018

Note: Monday, Tuesday, and Wednesday are winter 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—doesn’t meet

Tuesday—doesn’t meet

Wednesday—doesn’t meet

Thursday—

* 1. Use puzzle pieces to establish new seating chart
  2. Revisit data sheet
  3. Will assign new physical science numbers and see book covers on Monday
  4. Demo—Falling Water page 137, use to introduce forces, acceleration caused by gravity
  5. Read pages 138-141 6.1a Gravity and Motion and take book notes

Friday—

* + 1. Check 6.1a book notes
    2. Demo—Dropping 1 vs 10 Pennies and Coffee Filters
    3. Read pages 142-144 6.1b Gravity and Motion and take book notes