Maureen M. Drees

General 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. Draw numbers for 5.1 and 5.2 vocabulary
  2. Calculate together forces acting in the same direction and forces acting in opposite directions
  3. Students complete WS—Forces Acting in the Same Direction, Forces Acting in Opposite Directions

Tuesday—

* + 1. Check Forces WS
    2. Review definitions of speed, velocity, and acceleration
    3. Classify statements as being about speed, velocity, and acceleration
    4. Confirm as a class, record
    5. Begin reading together 5.3 Friction: A Force that Opposes Motion pages 128-133 and take book notes

Wednesday—doesn’t meet

Thursday—doesn’t meet

Friday—doesn’t meet