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Physical Science Lesson Plans

October 2-6, 2017

Note: Wednesday is a 1:25 dismissal for professional development. Friday is the blood drive from 8:00 to 2:00.

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 Chapter 2 Vocabulary WS
  2. Go Fish
  3. Boil Water
  4. Groups of students match physical properties with their definitions and examples
  5. Discuss as a whole class, record
  6. Examine three-dimensional examples

Tuesday—

* + 1. Try to float an egg in regular water and then in salt water, use to discuss density
    2. Journal—Density affects floating because…
    3. Use density chart on page 45 to work out what the densities of materials that float on other materials must be between
    4. Review how to calculate density
    5. Density WS

Wednesday—shortened schedule

* + - 1. Check Density WS
      2. Return to Prospector story—work out how to use density as a third check to see if he found gold or iron pyrite
      3. Journal—If I were a prospector, I’d know if I found gold…
      4. Go Fish
      5. Popcorn Read

Thursday—

* + - * 1. Density Board Problems, draw numbers
        2. In small groups, classify statements as physical or chemical properties
        3. Discuss as a whole class
        4. Read 2.2 Describing Matter and take book notes

Friday—

Check 2.2 Book Notes

Demonstration—Mg in HCl, record evidence of chemical change in notes

In small groups, classify statements as physical or chemical change

Discuss as a whole class

Popcorn Read