Maureen M. Drees

Physical Science 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. Preview Chapter 2 Test—The Properties of Matter—for Wednesday
  2. Chapter Review 1-19 (set up 19 together) pgs 54-55

Tuesday—

* + 1. Check CR 1-19 pgs 54-55
    2. Prepare for Wednesday’s test together, will meet students at the door with the test

Wednesday—shortened schedule

* + - 1. Chapter 2 Test—The Properties of Matter
      2. Read or work quietly

Thursday—

* + - * 1. Bring colored pencils for Friday
        2. Go over Chapter 2 Test, see semester grades to this point
        3. Clean out folders
        4. Use rubbing alcohol on students’ arms to introduce the idea of change of state
        5. Pose question—Why was rubbing alcohol once sponged over a person’s body to reduce his/her fever?
        6. Have students act out behavior of molecules (solid—“Claire de Lune,” liquid—“Colonel Boogey,” gas—“Mission Impossible,” record

Friday—

Finish acting out behavior of molecules and recording, if needed

Color code periodic table

Mrs. Petersen’s element humor

Periodic Table Scavenger Hunt, if time