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General Science Lesson Plans

October 23-27, 2017

Note: Tuesday and Thursday are 2:25 dismissals for conferences. There isn’t school on Friday.

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. Practice solids, liquids, gases
  2. Chapter 3 Test—States of Matter
  3. Post heating curves, read or work quietly

Tuesday—shortened schedule

* + 1. Go over Chapter 3 Test—States of Matter
    2. See semester grades to this point
    3. Clean out folders
    4. Examine pieces of sulfur and carbon for nonmetals, copper and aluminum for metals, silicon for metalloids
    5. Begin to read and take book notes 4.1 Elements

Wednesday—

* + - 1. Finish reading and taking book notes 4.1 Elements
      2. Classify statements as metals, nonmetals, or metalloids, record

Thursday—shortened schedule

* + - * 1. Large flashcards of elements
        2. Model how to do last page of scavenger hunt for elements
        3. Paper and pencil scavenger hunt for elements (3 sides)

Friday—doesn’t meet