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Chemistry 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. Element of the Day
  2. 3 Minute Study on Atomic Theory graphic organizer
  3. Finger Review using test questions
  4. Utilize matchbook and page 78

Tuesday—shortened schedule

* + 1. Element of the Day
    2. Anticipation Question—If an atom is as big as a football field, which would be the corresponding size for the nucleus: a school bus, a Volkswagon, a mailbox, or a marble?
    3. Begin taking notes over the Structure of the Atom 3.2 using the Graphic Organizer

Wednesday—

1. Element of the Day
2. Finish taking notes over the Structure of the Atom using Graphic Organizer (use magnet and wheel as props)
3. Writing frame at the bottom of the organizer—Something that was as I expected was … Something that was different than I expected was…
4. Model, guided practice—Mass numbers, Atomic numbers, Isotopes

Thursday—shortened schedule

1. Element of the Day
2. CR WS 2-4 (13 before 12, 16 in chart)

Friday—doesn’t meet