Physical Science C

1. Nature of Science
   1. Scientific Inquiry
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Identify components of scientific inquiry.
      3. Quiz
   2. Hypotheses, Theories, and Laws
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Describe hypotheses, theories, and laws.
      3. Quiz
   3. Measurement
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         * 1. Practice using the metric system.
      3. Quiz
   4. Experimental Design Principles
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Evaluate experimental designs and data.
      3. Quiz
   5. Analyzing Data
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Analyze data.
      3. Quiz
   6. Evaluating Scientific Explanations
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Read “Who Built the Pyramids?”
      3. Quiz
   7. Tools and Technology
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Read “Cars of the Future — Today!”
      3. Quiz
   8. Safety in Science
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Review laboratory safety.
      3. Quiz
   9. Research in Science
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Write about experimental error and bias.
      3. Quiz
   10. Science-Based Communication
       1. Warm-Up
          1. Get ready for the lesson.
       2. Assignment
          1. Write about scientific communication.
       3. Quiz
   11. **Unit Test - (Must be taken in Person)**
       1. Unit Test Review
2. Science and Society
   1. Scientific Knowledge
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Review the development of scientific knowledge.
      3. Quiz
   2. Science and Society
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Explore interactions between science and society.
      3. Quiz
   3. Science History
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Read the article “Historical Impacts of Environmental Science.”
      3. Quiz
   4. Human Use of Land
      1. Practice
      2. Quiz
   5. Human Events and the Environment
      1. Practice
      2. Quiz
   6. The Social Costs of Resource Use
      1. Practice
      2. Quiz
   7. Atmospheric Pollution
      1. Practice
      2. Quiz
   8. Water Pollution
      1. Practice
      2. Quiz
   9. **Unit Test - (Must be taken in Person)**
      1. Unit Test Review
3. Matter
   1. Introduction to Matter
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Describe and measure matter.
      3. Quiz
   2. Physical Properties
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Describe physical properties and physical changes.
      3. Quiz
   3. Density
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Practice using density.
      3. Quiz
   4. Lab: Density of Solids
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment: Reflect on the Lab
         1. Answer questions based on the lab activity.
   5. States of Matter
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Describe and identify states of matter.
      3. Quiz
   6. Changes of State
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Recognize changes of state.
      3. Quiz
   7. Chemical Properties
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Identify properties of matter.
      3. Quiz
   8. **Unit Test - (Must be taken in Person)**
      1. Unit Test Review
4. Atoms, Elements, and the Periodic Table
   1. Atomic Theory
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Identify evidence for atomic models.
      3. Assignment
         1. Read about atomic models.
      4. Quiz
   2. Atoms
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Read about atoms.
      3. Assignment
         1. Describe an atom.
      4. Quiz
   3. Elements
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Describe elements, isotopes, and ions.
      3. Quiz
   4. Periodic Table
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Determine the properties of elements using the periodic table.
      3. Quiz
   5. Metals
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Apply the properties of metals.
      3. Quiz
   6. Nonmetals
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Apply the properties of nonmetals.
      3. Quiz
   7. Metalloids
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Explore the properties of metalloids.
      3. Quiz
   8. **Unit Test - (Must be taken in Person)**
      1. Unit Test Review
5. Bonding
   1. Compounds
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Describe compounds.
      3. Quiz
   2. Chemical Bonding
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Describe chemical bonds.
      3. Quiz
   3. Ionic Bonds
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Describe ionic bonds and ionic compounds.
      3. Quiz
   4. Covalent Bonds
      1. Warm-Up
         1. Get ready for the lesson.
      2. Assignment
         1. Describe covalent bonds and covalent compounds.
      3. Quiz
   5. **Unit Test - (Must be taken in Person)**
      1. Unit Test Review
6. Cumulative Exam - (Must be taken in Person)
   1. Cumulative Exam Review