Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_ Ast#: \_\_\_\_\_

**SCIENCE PERFORMANCE RATING SCALE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Big Idea: PROPERTIES OF MATTER** | | | **Assessed at Complexity Level:**  **1 – RECALL** | | | |
| **Unit: Atoms** | | |
| **SC.8.P.8.7 – Explore the scientific theory of atoms (also known as atomic theory) by recognizing that atoms are the smallest unit of an element and are composed of sub-atomic particles (electrons surrounding a nucleus containing protons and neutrons).** | | | | | | |
| **Assessed as SC.8.P.8.5** – *Recognize that there are a finite number of elements and that their atoms combine in a multitude of ways to produce compounds that make up all of the living and nonliving things that we encounter.* | | | | | | |
| **MASTERY** | | **Performance Indicators** | | **BEFORE INST.** | **DURING INST.** | **AFTER INST.** |
| **4** | **EXCEEDING**  **the Standard** | Analyze models of the scientific theory of atoms | |  |  |  |
| Apply knowledge of atoms to explain larger concepts (*elements, periodicity, etc…*) | |  |  |  |
| **3** | **MASTERY** | **Relate the scientific theory of atoms using models** | |  |  |  |
| **Relate that atoms are the smallest unit of an element** | |  |  |  |
| **Relate that atoms are composed of negative electrons surrounding a nucleus containing positive protons and neutral neutrons** | |  |  |  |
| **2** | **PARTIAL MASTERY** | Identify atoms and elements | |  |  |  |
| Recognize that atoms are the smallest unit of an element | |  |  |  |
| Recognize that atoms are composed of sub-atomic particles | |  |  |  |
| **1** | **BUILDING MASTERY** | With help, I can demonstrate partial mastery of some of the simpler tasks listed above, but I still make some mistakes. | |  |  |  |
| **0** | **NOVICE** | I currently have no knowledge or mastery of the skills and tasks listed above, but I will make an effort to learn them. | |  |  |  |