Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_

**SCIENCE STANDARD PERFORMANCE RUBRIC**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Big Idea: ENERGY TRANSFER AND TRANSFORMATIONS** | | | **Assessed at Complexity Level:**  **2 – BASIC APPLICATION OF SKILLS AND CONCEPTS** | | | |
| **Unit: Mechanical Energy** | | |
| **SC.6.P.11.1 – Explore the Law of Conservation of Energy by differentiating between potential and kinetic energy. Identify situations where kinetic energy is transformed into potential energy and vice versa.** | | | | | | |
| **Assessed as SC.7.P.11.2** - *Investigate and describe the transformation of energy from one form to another.* | | | | | | |
| **MASTERY** | | **Performance Indicators** | | **BEFORE INST.** | **DURING INST.** | **AFTER INST.** |
| **4** | **EXCEEDING**  **the Standard** | I can evaluate evidence that supports of the Law of Conservation of Energy. | |  |  |  |
| I can cite examples of the law of conservation of energy. | |  |  |  |
| I can differentiate potential energy and kinetic energy. | |  |  |  |
| **3** | **MASTERY** | **I can compare potential energy and kinetic energy.** | |  |  |  |
| **I can identify examples of the Law of Conservation of Energy.** | |  |  |  |
| **2** | **PARTIAL MASTERY** | I can identify examples where energy is transformed from potential energy to kinetic energy and vice versa. | |  |  |  |
| I can recognize that there is a difference between potential energy and kinetic energy. | |  |  |  |
| **1** | **BUILDING MASTERY** | With help, I can demonstrate partial mastery of some of the simpler tasks listed above, but I still make 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. | |  |  |  |