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| **Matrix 2: Matter and Energy** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Grade 6 Science Start Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Target Completion Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Specific Skills** | **Level of Knowledge** | **Portfolio Evidence** | Teacher Initials |
| **Expectation Code** | **GLCE**I meet the grade level expectation when I can…. | ***Information***I have heard of this | ***Knowledge*** I can tell you about it | ***Know-how***I can do it by myself | ***Wisdom***I can teach someone | I can show my knowledge through:***Documentation – A project or paper******Demonstration – Doing it******Defense – Talking to someone about it***Here’s what I did for this skill: |
| P.EN.06.11 | Identify ***kinetic*** or ***potential*** energy in everyday situations (for example: stretched rubber band, objects in motion, ball on a hill, food energy) |  |  |  |  |  |  |
| P.EN.06.12 | Demonstrate the ***transformation*** between potential and kinetic energy in simple ***mechanical systems*** (for example: roller coasters, pendulums). |  |  |  |  |  |  |
| P.EN.06.41 | Explain how different ***forms of energy*** can be transferred from one place to another by ***radiation, conduction, or convection***. |  |  |  |  |  |  |
| P.EN.06.42 | Illustrate how energy can be transferred while no energy is lost or gained. |  |  |  |  |  |  |
| P.CM.06.11 | Describe and illustrate ***changes in state***, in terms of arrangement and relative motion of the ***atoms*** or ***molecules***. |  |  |  |  |  |  |
| P.CM.06.12 | Explain how ***mass*** is ***conserved*** as a substance changes from state to state in a ***closed system.*** |  |  |  |  |  |  |