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| **Matrix 4: Plate Tectonics and Fossils** 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: |
| E.SE.06.51 | Explain plate tectonic movement and that the lithospheric plates move centimeters each year. |  |  |  |  |  |  |
| E.SE.06.52 | Demonstrate how major geological events (earthquakes, volcanic eruptions, mountain building) result from these plate motions. |  |  |  |  |  |  |
| E.SE.06.53 | Describe layers of the earth as lithosphere (crust and upper mantle) convecting mantle, and a dense metallic core. |  |  |  |  |  |  |
| E.ST.06.31 | Explain how rocks and fossils are used to understand the age and geological history of the Earth (timelines and relative dating, rock layers). |  |  |  |  |  |  |
| E.ST.06.41 | Explain how Earth processes (erosion, mountain building, and glacier movement) are used for the measurement of geologic time through observing rock layers. |  |  |  |  |  |  |
| E.ST.06.42 | Describe how fossils provide important evidence of how life and environmental conditions have changed. |  |  |  |  |  |  |