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| **Matrix 2: Ecosystems** 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: |
| L.OL.06.51 | Classify producers, consumers, and decomposers based on their source of food (the source of energy and building materials). |  |  |  |  |  |  |
| L.OL.06.52 | Distinguish between the ways in which consumers and decomposers obtain energy. |  |  |  |  |  |  |
| L.EC.06.11 | Identify and describe examples of populations, communities, and ecosystems including the Great Lakes region. |  |  |  |  |  |  |
| L.EC.06.21 | Describe common patterns of relationships between and among populations (competition, parasitism, symbiosis, predator/prey). |  |  |  |  |  |  |
| L.EC.06.22 | Explain how two populations of organisms can be mutually beneficial and how that can lead to interdependency. |  |  |  |  |  |  |
| L.EC.06.23 | Predict and describe how changes in one population might affect other populations based upon their relationships in the food web. |  |  |  |  |  |  |
| L.EC.06.31 | Identify the living (biotic) and nonliving (abiotic) components of an ecosystem. |  |  |  |  |  |  |
| L.EC.06.32 | Identify the factors in an ecosystem that influence changes in population size. |  |  |  |  |  |  |
| L.EC.06.41 | Describe how human beings are part of the ecosystem of the Earth and that human activity can purposefully, or accidentally, alter the balance in an ecosystem. |  |  |  |  |  |  |
| L.EC.06.42 | Predict and describe the possible consequences of overpopulation of organisms, including humans, (for example: species extinction, resource depletion, climate change, pollution). |  |  |  |  |  |  |