Standard and Evidence:

**HS-LS2-5: Develop a model to illustrate the role of photosynthesis and cellular respiration in the cycling of carbon among the biosphere, atmosphere, hydrosphere and geosphere.**

**Directions: Create a presentation using Doceri and Skitch showing how a carbon atom cycles throughout your eco-column.**

Ways to show your learning:

* **Doceri Presenation**

**DUE DATE:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Criteria** | **4** | **3** | **2** | **1** | **0** |
| **Labels** | **EVERY compound has the correct formula and is found in the correct place in the ecosystem** | **Almost all compounds (missing 1) are included with the correct formula found in the ecoystems** | **Most compounds (missing 2) found in the ecosystems were included with the correct formulas** | **Many compounds are missing and/or with incorrect formulas** | **N/A** |
| **Arrows** | **All of the transformations of matter are properly connected with arrows and explained at an in-depth level.** | **All of the transformations of matter are properly connected with arrows and some explanation** | **All of the transformations of matter are properly connected with arrows BUT lacking an explanation** | **Not every transformation of matter is included** | **N/A** |
| **Processes**  **THIS CATEGORY IS WORTH DOUBLE!!!** | **All of the different processes of transformation (photosynthesis, respiration, decomposition, etc…) are included explaining in detail how the carbon compounds are transformed** | **Photosynthesis and Respiration are included with a detailed explanation** | **Photosynthesis and respiration are included, but lacking a detailed explanation** | **Not all of the processes of transformation are included** | **N/A** |
| **Aesthetics** | **All of the pictures are clearly visible and help show the transformation—Your voice is clear and confident—Your handwriting is clearly visible** | **2 of the three standards (picture, voice, handwriting) are met** | **Only one of the standard (picture, voice and handwriting are met)** | **-----** | **None of the standards are met** |