|  |
| --- |
| Subject: **Science**  Course:  **Life Science**  |
| Standards: SC.6.L.15.1 Analyze and describe how and why organisms are classified according to shared characteristics with emphasis on the Linnaean system combined with the concept of Domains. |
| Learning Goal: Students will learn the Linnaean system of classification for all living beings. |
| Grade Level(s): 7th Grade |
| **4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond instruction to the standard****The student will:*** Be able to design an imaginary organism that might be missing link between prokaryotes and eukaryotes.
* Be able to explain how the Taxonomic keys are made and used.

**No major errors or omissions regarding the score 4.0 content** |
|  | **3.5** | In addition to score 3.0 performance, in-depth inferences and applications with partial success |
| **3.0** | **The student will**:* Be able to explain how and why organisms are classified according to shared characteristics using the Linnaean system of classification for all living beings.
* Be able to determine the reason for the binomial nomenclature, and learn how it is written.

**No major errors or omissions regarding the score 3.0 content (simple or complex)** |
|  | **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content |
| **2.0** | **The student recognizes and describes specific terminology such as:*** Classification
* Taxonomy
* Binomial nomenclature
* Genus
* Species

**The student will be able to determine**:* Why do Biologists classify organisms?
* What are the levels of classification?

**No major errors or omissions regarding the simpler details and processes but major errors or omissions regarding the more complex ideas and processes** |
|  | **1.5** | Partial knowledge of the score 2.0 content, but major errors or omissions regarding score 3.0 content |
| **1.0** | With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. |
|  | **0.5** | With help, a partial understanding of the score 2.0 content, but not the score 3.0 content |
| **0.0** | Even with help, no understanding or skill demonstrated |