**Unit 7: It’s Astronomical**

**Benchmarks:**

**SC.8.E.5.3 Distinguish the hierarchical relationships between planets and other astronomical bodies relative to solar system, galaxy, and universe, including distance, size, and composition.**

SC.8.E.5.1 Recognize that there are enormous distances between objects in space and apply our knowledge of light and space travel to understand this distance.

SC.8.E.5.2 Recognize that the universe contains many billions of galaxies and that each galaxy contains many billions of stars

**Unit Scales:**

|  |  |
| --- | --- |
| **4** | I can **develop a model** to represent the vast distance between objects in the universe.  |
| **3** | I can **distinguish** the hierarchical relationships between planets and other astronomical bodies relative to solar system, galaxy, and universe, including distance, size, and composition. |
| **2** | I can **define**:\_\_\_\_ light year\_\_\_\_Astronomical Unit (AU)\_\_\_\_Space travel\_\_\_\_time | \_\_\_\_I can **recognize** which unit is used to measure the distance between different astronomical bodies. |
| I can **define**:\_\_\_\_solar system\_\_\_\_ planets\_\_\_\_ astrological bodies\_\_\_\_distance\_\_\_\_size\_\_\_\_composition | \_\_\_\_I can **identify** the hierarchical relationships between astronomical bodies in the universe. |
| I can **define**:\_\_\_\_galaxy\_\_\_\_star\_\_\_\_universe | \_\_\_\_ I can **recognize** that the universe has billions of galaxies and each has billions of stars. |
| **1** | With help, students are able to have partial success with 2.0 and/or 3.0 content.  |

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