**Unit 0 – Preview & How Science Works**

**Chapter 0**

KUDO’s (Know, Understand and Do!)

**Preview**

**Know:**  Planet, Satellite, Star, Solar System, Astronomical Unit, Milky Way Galaxy, Light Year, Scientific Notation, Galaxy Clusters, Local Group, Virgo Cluster, Universe, Gravity, Atoms, Electrons, Protons, Neutrons, Weak Force, Strong Force, Dark Matter, Neutrinos. Big Bang, Dark Energy.

**Understand:**

* The relevance astronomy to the other sciences.

**Be able to DO:**

* Discuss the Cosmic Landscape

**Assignments:**

1. Read 1-11
2. QFR 1-10
3. Reading Activity 1
4. Reading Activity 2
5. Reading Activity 3
6. Pocket Universe

**Topic:** Scientific Method

**Know:** Scientific Method, Observation, Hypotheses.

**Understand:**

* The importance and contribution of scientific method in astronomy

**Be able to DO:**

* Design and conduct an experiment using scientific method principles.

**Assignments:**

1. SciMeth Activity

2. Bridge Activity

**Topic:**  Metric & Significant Figures

**Know:**  Metric Systems & Rules of Significant Figure

**Understand:**

* The relevance of the metric systems and significant figure in astronomy

**Be able to DO:**

* Convert between metrics and English units
* Determine significant figures

**Assignments:**

1. Part2 Measurement

2. Metric Reading and Practice

3. Significant Figure Reading & Practice