** CHAPTER 2 – THE RISE OF ASTRONOMY**

**KUDO’s (Know, Understand and Do!)**

**Section 2.1 - Early Ideas of the Heavens: Classical Astronomy**

**Know:** Aristotle, Eratosthenes, Aristarchus, Parallax,

* The contributions of the early Greeks to astronomy

**Understand:**

* How the early Greeks calculated the size and shape of Earth and distance to the moon

**Be able to DO:**

* Discuss parallax

**Assignments:**

1. Read pages 40-45

2. Guided Notes & PPT

3. Vocabulary from Know

4. Early Greek Videos/Questions

5. Whiteboard questions: **QFR:** 1,2,3 **TQ:** 1

**Section 2.2** The Planets

**Know:**  Retrograde motion, geocentric models, epicycles

**Understand:**

* Motion of the planets
* Contributions of Ptolemy, Islamic and Asian

**Be able to DO:**

* Explain the motion of the planets

**Assignments:**

1. Read pages 46-49

2. Guided Notes & PPT

3. Vocabulary to know

4. Retrograde Motion Activity

5. Whiteboard questions: **QFR:** 3; **TQ:** 6-9

**Section 2.3 The** Rise of the Renaissance

**Know:**  Heliocentric Models, Ellipse, Focus, Semimajor Axis, Kepler’s Three Laws

**Understand:**

* The Heliocentric Model and its foundations
* Kepler’s Three Laws of Planetary Motion

**Be able to DO:**

* Relate the period to the area of the motion of a planet

**Assignments:**

1. Read pages 50-54

2. Guided Notes & PPT

3. Vocabulary to know

4. Whiteboard questions: **QFR:** 4,5,6,7 **Problems:** 5, 6

**Section 2.4** The Birth of Astrophysics

**Know:** Satellite

**Understand:**

* Contributions of Galileo, Copernicus, Newton

**Be able to DO:**

* Discuss the contributions of Galileo, Copernicus, Newton

**Assignments:**

1. Read pages 55-59

2. Guided Notes & PPT

3. Vocabulary to know

4. Whiteboard questions: **QFR:** 10, 11 **TQ:**  7