**Chapter 1 THE CYCLES OF THE SKY**

KUDO’s (Know, Understand and Do!)

**Section 1.1** **The Celestial Sphere**

**Know:** Celestial Sphere, Horizon, Model, Constellations, Celestial Poles, Celestial Equator, and Ecliptic.

* Begin to know the different constellations

**Understand:**

* The daily motion of the sun and stars.

**Be able to DO:**

* Find the constellations summer triangle of constellations.

**Assignments:**

1. Read pages 14-21

2. Guided Notes & PPT

3. Vocabulary from Know

4. Whiteboard questions: **QFR:** 1; **TQ:** 1-5

**Section 1.2** The Seasons

**Know:**  Rotation axis, equinoxes, solstices

* Earth Angle of rotation

**Understand:**

* The ecliptic tilt

**Be able to DO:**

* Explain the difference in seasons.

**Assignments:**

1. Read pages 21-26

2. Guided Notes & PPT

3. Vocabulary to know

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

**Section 1.3 – The Moon**

**Know:**  ”Cycle of lunar phases”

* Period of the moon

**Understand:**

* The cycle of the moon

**Be able to DO:**

* Explain the reason for the cycle of the moon as it relates to the earth-sun

**Assignments: (Turn in)**

1. Read pages 26-30

2. PPT guided notes

3. Webquest Lunar Phases

4. Whiteboard questions: **QFR:** 4,5; **TQ:** 9-10

**Section 1.4 - Eclipses**

**Know:** Solar Eclipses, Lunar Eclipses, Eclipse Seasons and Precession

**Understand:**

* The difference between the solar eclipses and lunar eclipses

**Be able to DO:**

* Draw a solar eclipse and lunar eclipse with the sun and moon

**Assignments:**

1. Read pages 30-35

2. Guided Notes & PPT

3. Whiteboard **QFR:** 6 & 7