Disciplinary Core Ideas

ESS1.A: The Universe and Its Stars

Earth and its solar system are part of the Milky Way galaxy, which is one of many galaxies

ESS1.B: Earth and the Solar System

- The solar system consists of the sun and a collection of objects, including planets, their moons, and asteroids that are held in orbit around the sun by its gravitational pull on
- The solar system appears to have formed from a disk of dust and gas, drawn together by

Plan for the day:

- 00) OVERDUE: Gas Giants Foldable (WHITE LATE MORIN BIN)
- 0) TURN IN: your choice, #10 or #17 (WHITTE LATE MORIN BIN)
- 1) TURN IN the Orbital Ellipses Quick-Lab completed last class or as HOMEWORK (related to Kepler's Laws, pages 63-64), TAN MORIN BIN

Assigned as HOMEWORK multiple times. Show ALL you OWE.

- 2a) RE-CHECK Lesson 2: Gravity and the Solar System, pages 60-72, questions 1-21, AND
- 2b) RE-CHECK Lesson Review, questions 1-9; Describe, Explain, Analyze and Explain questions require multiple sentence answers.
- 3) Video clips of the big bang, etc./Discussion of Solar System readings

Sep 25-6:22 AM

FROM LAST TWO LESSONS so NO SURPRISE:

ALL LATE WORK

- 1) Gas Giant Foldable
- 2) Question 10 or 17 (Small **Bodies in the Solar System)**
- 3) Various Readings/Questions

DUE BY THURSDAY, 20 October!

Housekeeping Issues:

- 1) Students are responsible for "cleaning up" after themselves.
- 2) If you use an item on the student table, RETURN the item to its proper place at the student table.
- 3) Respect my stuff! Do not bend rulers. Bending breaks them.
- 4) Take your personal items with you.
- 5) NO WATER BOTTLES (leave them OUTSIDE my room) unless medically necessary (Doctor's note).

Oct 17-8:39 AM

Quick Lab: Orbital Ellipses is due TODAY:

Make sure <u>your First</u> & <u>Last NAME</u>, <u>your</u> <u>partner's First</u> & <u>Last NAME</u> and <u>CLASS</u> are on your <u>Orbital Ellipses Quick Lab</u> handout.

The student in charge of your lab data sheet, the three (3) ellipses (A, B & C) STAPLES the data to the BACK of his/her lab.

PLACE your completed Quick Lab in TAN MORIN BIN now.

A <u>Unit Test</u> is on the horizon within the next three to four weeks (just to mentally prepare you!).

It is really important that all students keep up with current work in the classroom.

That means, all students who now find themselves

BEHIND must work to get themselves "CAUGHT UP"

or put themselves in danger of failing the 1st quarter.

Completing work at home is the only option.

Please start to hold yourself accountable for your actions.

Oct 17-2:30 PM

The evolution of the universe in 3 minutes

The scale of the universe

Evidence of a Ninth Planet

The helical model - our Galaxy is a vortex

The helical model - our solar system is a vortex

Scale of Earth and Sun

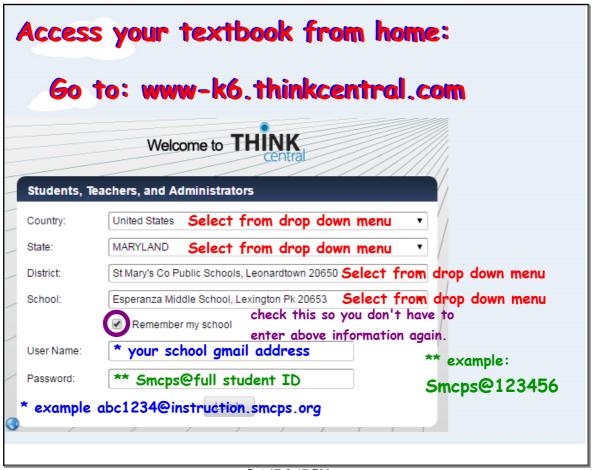
Scale of Solar System

While I check those who needed to complete Unit 2 Lesson 2 (Gravity in the Solar System)...

START reading Unit 1 - Lesson 1, Structure of the Universe (pg 4 - 13) answering the <u>LESSON REVIEW questions</u> 1 through 10 on page 13.

THEN proceed to Lesson 2, Stars (pg 16-25) answering the <u>LESSON</u> <u>REVIEW</u> <u>questions</u> 1 through 10 on page 25.

Oct 20-9:02 AM



Internet links to the videos viewed today:

The evolution of the universe in 3 minutes

The scale of the universe

Evidence of a Ninth Planet

Oct 17-2:47 PM

Attachments



Evidence of a Ninth Planet.mp4



The helical model - our Galaxy is a vortex.mp4



The helical model - our solar system is a vortex.mp4



Scale of Solar System.mp4



Scale of Earth and Sun.mp4