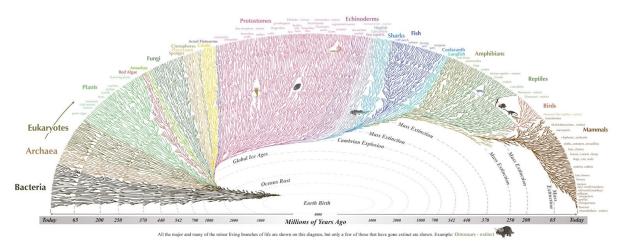
Biology:

- Developmental Biology
- Bacteria, Archaea, Viruses
- Evolution & History of Life on Earth
- Ecology & Biodiversity
- Behavioral Biology
- Principles of Physiology
- Human Biology



- Introduction to biotechnology: how it is used in research & biomedical application
- Learn how multicellular organisms develop different cell types, tissues, and organs. Prokaryotic structure, metabolism, & ecology
- Are viruses living or nonliving?
- Diversity of life on earth, evolution, natural selection and tree of life
- Animal behavior and human biology



"Biology will relate every human gene to the genes of other animals and bacteria, to this great chain of being." -Walter Gilbert

Overview

This unit is designed to help students become familiar with



Guiding question:

- How do processes that happen at a cellular level influence the structure, functions, and behaviors at level of tissues, organs, organ system or entire organisms?
- How does energy flow through an ecosystem, population, and organisms?
- How and why do different structure found in very different organisms perform similar functions?



Individual work

Read Study Guide (03/30)
Participate in the lessons:
Developmental Biology (03/30)
Bacteria, Archaea, Viruses (04/03)
Evolution & History of Life on Earth (04/06)
Ecology & Biodiversity (04/25)
Behavioral Biology (05/08)
Principles of Physiology (05/11)
Human Biology (05/18)
Reflect on the answer to Guiding Question 1
Make vocabulary cards for the vocabulary in your Vocabulary List (as needed,
vocabulary card will not be allowed on guizzes or tests)

Group work/ Lab Work

Labs will be done in groups of 4 or 5.

Lab Handouts: There will be a pre-lab for students to complete before the lab experiment, during the lab the students will gather the necessary data to complete the lab and answer the questions associated with the topic. After the necessary data is collected students will work on completing their lab notebook.

Lab Notebook: Every student is required to keep a lab notebook. The lab notebook will be each student's personal "copy". You will receive specific instructions on the lab notebook requirements.

This notebook will be graded on proper usage and completeness. *The lab notebook will be checked once a unit on the day of the assessment.*

Formal Laboratory Report: Each quarter students will put together a formally written laboratory report. This laboratory report is done individually (plagiarisms is not allowed). The report must be typed and include; Title, Purpose,





How do I put it altogether?

Review for your self-assessment (06/08)

____Group project on Human Physiology & Anatomy (06/12)

Presented on tri-fold

Assessment

1. Testing your Knowledge & Take the vocabulary test you must show mastery to be complete. Students may use previously assigned vocabulary card assignment. (06/12)

Unit final covering all topics from Quarter 4

NOTE: Work will not be graded if you do not have a notebook

