Biology Lesson Plans

Teacher : Johnston Hardman, Cannon, Hamilton, Carmack

Course/ Subject: Biology

Date of Instruction: 1/27/23

Opening (I Do)

An engaging process for lesson introduction that is specifically planned to encourage equitable and purposeful student participation. Describe the instructional process that will be used to introduce the lesson.

TKES 1, 2, 3,4,5, 8,10

SB6. Obtain, evaluate, and communicate information to assess the theory of evolution.

a. Construct an explanation of how new understandings of Earth's history, the emergence of new species from pre-existing species, and our understanding of genetics have influenced our understanding of biology..

Learning Target:

I will explain the history of the theory of evolution.

I will explain the history of life in terms of biodiversity, ancestry and the rates of evolution.

I will relate natural selection to changes in organisms.

Success Criteria:

- **I can explain the difference between biogenesis & spontaneous generation & early experiments associated with these theories & others.**
- **I can explain the endosymbiotic theory.**
- **I can explain how comparative anatomy is used as evidence for evolution.**
- **I understand Darwin's theory of natural selection.**
- **I understand Lamark's theory of acquired traits.**
- **I can explain the phrase "survival of the fittest."**
- **I understand how pesticide & antibiotic resistance occurs.**
- **I can explain the difference between divergent & convergent evolution.**
- **I can explain the difference between punctuated equilibrium & gradualism.**

Introduction/Connection:

Recap: evolution review with vocab

DIRECT INSTRUCTION:

Vocab reinforcement

Last set of notes

African Elephants change over time: video and activity

Progress Learning evolution

Work Period (We Do, You Do) Students learning by doing/demonstrating learning expectations. Describe the instructional process that will be used to engage the students in the work period. **TKES 1, 2, 3, 4, 5, 7. 8,10**	**GUIDED PRACTICE:** **Vocab reinforcement** **African Elephants change over time: video and activity** **Progress Learning Evolution**
	INDEPENDENT/COLLABORATIVE PRACTICE/DIFFERENTIATION: **Vocab reinforcement** **African Elephants change over time: video and activity** **Progress Learning Evolution**
Closing (We Check) Describe the instructional process that will be used to close the lesson and check for student understanding . **TKES : 1,2,3, 4,5,6,7,8**	**SUMMARIZE/CHECK FOR UNDERSTANDING:** **Vocab reinforcement** **Activity** **Progress learning**