Grade 9 and 10
Distance Learning Module 7: Week of: May 18th – May 22nd
Introduction to Evolution

Honors Biology - *Modified from Unit 5: Evolution*

Targeted Goals from Stage 1: Desired Results

Content Knowledge:
The variation and distribution of traits in a population depend on genetic and environmental factors.
Evolution has resulted in physical and behavioral adaptations that increase an organism's chance of survival and reproduction Scientists examine evidence to formulate interesting questions and solve problems
Genetic variation is the result of crossing-over, sexual reproduction, and genetic mutations.

Vocabulary:
Hypothesis, theory, law, biodiversity, mutations, phylogenetic tree, Acquired characteristics, Adaptations, Embryology, Evolution Theory, Natural Selection, Origin of Species, Variations

Skills:
Apply understanding of biochemistry, genetics and genetic variation to explain the mechanisms of evolution.

Expectation:

Description of Task (s):	Resources and Materials: (links are posted in Google Classroom)	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Connect Genetics to Evolution - Answer Entrance Ticket question What connection can you make between evolution and genetics? - Then go to: https://evolution.berkeley.edu/evolibrary/article/mutations_01	Evolution - Berkeley DNA and mutations Worksheet (includes entrance ticket and notes on berkeley site) Quizizz (counted for participation)	Submit DNA and mutations answers Take quizizz

Description of Task (s):	Resources and Materials: (links are posted in Google Classroom)	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
- Work through the website to learn about the driving force of evolution - Complete Quizizz		
Tuesday: What is Evolution - Review slides 1-5 in Slideshow - Complete activities/watch videos indicated in each slide - Answer corresponding questions	Slideshow Slideshow questions	Complete questions 1-4 on evolution slideshow document
Wednesday: Darwin - Review Slide 6-7 and Watch Video - Watch myths and misconceptions about evolution - Answer corresponding questions	Slideshow Slideshow questions Myths and misconceptions about evolution	Complete questions 5-6
Thursday: Practice Making Trees - Review slide 8 and complete tree activity - Answer corresponding questions	Slideshow Slideshow questions	Submit Slideshow worksheet with all questions answered
Friday: Evolution Wrap Up	https://www.youtube.com/watch?v=uAZmLYWEPGk (3 minute video explaining human embryo development and links to evolution)	Watch the video and post an open ended comment. Respond to at least one other classmate's post.

Week criteria for success (attach student checklists or rubrics):

Entrance Ticket/Question and Complete Quizizz

Complete questions on evolution slideshow document

Post and respond to question board

Participate in the live sessions

Supportive resources and tutorials for the week (plans for re-teaching):

Link to a YouTube playlist of helpful videos are posted in Google Classroom

BSCS Chapter 19 Evolution

Live sessions and support from teachers