

Cara Gilligan

December 2, 2018

Elective #3- Resource Review Implementation In the Classroom

For Elective #3, I chose to write two resource reviews. One of those reviews was of the website, CK12.org. I was introduced to this website through PSIM and found it interesting. After exploring it for a while I realized what a great tool this could be for my students. It is full of helpful information on content in several areas such as Science, Math, and Language Arts. I then created an assignment for my students to complete at home to allow them to become familiar and comfortable navigating the site for their needs. They were to first explore the site and its offerings themselves for a while. Then I gave them the task of completing two out of three portions of the assignment. Each area required students to investigate a topic that they are currently learning about in our class so I used this as an enrichment exercise as well as one to let my students know of all that is available to them on ck12.org.

Attached please find samples of student work as they completed the assignment that I created and assigned (due date was changed due to our first snow day here on the east coast!). We discussed the site together in class as I gave them a brief tour of the various pages within the site. I feel that my students responded well to it, were excited to watch the videos and read the information available to them, and overall, appreciated knowing that the site is in existence and can provide them with needed resources in many subject areas!

Name: Grace Date: _____

Exploring CK12.org
 Take some time to explore the website ck12.org on your own. Next, choose 2 out of the 3 tasks below to complete.
 Due 11/19/18

1. View the video entitled "Mutations and Natural Selection" (3:24) and clearly note 5 points of the video that are the most pertinent pieces of information in your opinion:

- mutations can be beneficial, harmful or neutral
- sickle cell can be harmful mutation
- some mutations are, mutation to malaria
- mutations are changes in DNA
- beneficial mutations survive and reproduce

2. Type in "Fossils" and choose the 6th item on the list (has a picture of a fern fossil). Read the text, watch both short videos and answer questions 1, 2, & 3 for Explore Video I and questions 1 & 2 for Explore Video II.

1. Due to the first animals having no bones
2. They look for trace evidence like foot prints
3. The deposits are 500 million years old

1. A tetrapod is a four legged animal. Paleontologists hope to learn more about early life on Earth.

2. What special about "Boris"?

Boris may be the transitional species in between fish and tetrapods. Aul process of evolution.

3. Type in "Modern Genetics" and click on the 2nd item, Modern Genetics PLIX. Complete the genetics challenge and answer the accompanying questions. Write your answer for the final question below:

Name: Rebecca

Exploring CK12.org
 Take some time to explore the website ck12.org on your own. Next, choose 2 out of the 3 tasks below to complete.
 Due 11/19/18

1. View the video entitled "Mutations and Natural Selection" (3:24) and clearly note 5 points of the video that are the most pertinent pieces of information in your opinion:

5 points of the video that are the most important are
 that genes carry the code telling our body how to develop,
 it can change the code and cause a mutation,
 mutations can be harmful, beneficial, or neutral, some
 can cause cancer to be immune to cancer, mutations
 in DNA are a random and ongoing process.

2. Type in "Fossils" and choose the 6th item on the list (has a picture of a fern fossil). Read the text, watch both short videos and answer questions 1, 2, & 3 for Explore Video I and questions 1 & 2 for Explore Video II.

Video 1

1. Due to the first animals having no bones
2. Canyons are ideal, especially small flat areas with tracks
3. They are 12 billion years, 510 years
4. It changes the record forever

Video 2

1. Creatures with 4 legs and fingers + toes on the web
- The transition they made from living under water to living on land
2. Boris?

3. Type in "Modern Genetics" and click on the 2nd item, Modern Genetics PLIX. Complete the genetics challenge and answer the accompanying questions. Write your answer for the final question below:

If a gene is recessive or dominant it can fluctuate the chances of the ability of the gene being acquired or not. If a gene is recessive, it is less likely for the offspring to acquire this trait. If the gene is dominant it is much more likely for the offspring to acquire the trait.