

Hello Parents and Students

I have prepared 10 lessons to be completed while school is not in session. Only one section requires internet access and if it is not feasible for you/your student to complete this section, they will be given an opportunity when we return to classes. All lessons will be graded.

I can be reached by email at tracy.ayres@elsd.us and will to the best of my ability respond within 24 hours. The material builds upon the genetics unit we just completed.

Chapter 11 Change Over Time

Day 1 _____ (Write the date.)

Chapter 11-1 Read and Respond (Read the book and answer the questions in or around the text.)

^^^ Complete the guided notes as you go or after you finish

Youtube Videos that may help:

1. Charles Darwin in the Galapagos Nat Geo Wild

<https://www.youtube.com/watch?v=03YKT7yUdE>

44,048 views • Oct 21, 2010

2. Natural Selection Crash Course #14

https://www.youtube.com/watch?v=aTftyFboC_M

2,324,911 views • Apr 30, 2012

If you have trouble with the links, search by title

Special Notes: These directions and the lesson packet can be found on each student's Google Classroom.

www.pearsonsuccessnet.com

Provides access to the student text book. Students were instructed on how to get the program to read the science test to them.

Day 2 _____ (Date)

Complete the Review and Reinforce 11-1

Complete "Two Theories of Evolution"

Day 3 _____

Begin Activity: Darwin's Finches

Youtube Videos that may help:

Evolution by Natural Selection - Darwin's Finches by Fuseschool

164,047 views • Apr 5, 2017

<https://www.youtube.com/watch?v=s64Y8sVYfFY>

If you have trouble with the links, search by title

Compare the chart of "Galapagos Islands Finches" with the map of the "Galapagos Islands".

You can find out what each bird eats easily on the semi circular "Bird Chart"

Place a Star in the grid which matches the criteria. Each type of bird may have a number of islands associated with it.

Day 4 _____

Finish the "Darwin's Finches Virtual Lab"

Take the lesson quiz for 11-1

Day 5 _____

Read and Respond to 11-2 Evidence of Evolution

Take the 11-2 Lesson Quiz

Day 6 and 7 _____

Begin the Gizmo Natural Selection

(Note we just used this program last week, your sign on info should be in your Comp Book or on the inside cover of your Science book.)

Log on to explorelarning.com and sign in with your user name and password

Scientific Background: The story of the peppered moth is one of the best-known examples of natural selection in action. The peppered moth is common in Europe, North America, and Asia. It shelters on trees during the day and is eaten by birds. Prior to 1800, the light moth was much more common than the darker moth in the English countryside. The light speckled-gray moths blended in well with light-colored tree bark and lichens. The dark form contrasted with the tree bark, making it easier to spot. During the 1800s, the Industrial Revolution changed the landscape of England. New coal powered factories spewed tons of dirty smoke into the air, blanketing the forests with soot. The lichens on tree trunks died, and tree trunks were darkened. When this happened, the light form was easier to spot than the dark form, and as a result more were eaten. By 1895, dark moths accounted for nearly 100% of the total population in some forests. The pattern of darkening is described by the term industrial melanism.

Complete the Student Exploration Sheet and don't forget to * Take the POST TEST ******

Day 8 _____

Read and respond to Rate of Change 11-3 and complete "Punctuated Equilibrium" and the Key concept Summary.

Day 9 _____

Take the Rate of Change Lesson Quiz 11-3

Study the vocabulary using Quizlet (I will be tracking your progress.) Make sure you try a test.

If you do not have access to Quizlet, create flashcards with the 10 words provided. (You should be able to correctly go through them in 3 minutes or less.)

Day 10 _____

Take the Open Book test on this Chapter 11. Congratulations on finishing the Unit.

Mrs. Ayres

If you have any questions email me at tracy.ayres@elsd.us