

Lomax 8th Grade Pre-AP Science Outreach Learning May 11-May 15, 2020

8th Grade Pre-AP Science Week of May 11, 2020

Teacher

Casey Crittenden / 8th Grade Science

If there are any questions, please feel free to email me/us at:

Email: crittendenc@lpsd.org

**Connect with us on
Remind!**

Text @lxjhsci
to 81010

Link to [TEAMS Folder](#)

Check out Mr. Crittenden's [Teaching Videos on Flipgrid](#)

[1st Period Crittenden TEAMS](#)

[7th Period Crittenden TEAMS](#)

Previous Lessons:

We learned how inherited traits are passed down to offspring.

Objectives

Objective / I Can:

- I can describe how traits are passed down through natural selection.

Activities

Student Activities:

- [Teacher Introduction Video](#) (~5 minutes)
- [FlipGrid Check in!](#)
 - Click the green plus sign, log in with your school information, and create!
 - If it asks for a code, use **8adb2191**
 - Sign in using your school email and answer this week's check in topic: Tell Mr. Crittenden why do we use lowercase AND uppercase letters with Punnett squares?

Day 1: Tuesday, May 12, 2020

3. Let's Learn About Natural Selection!

a. Watch the video links below. You will be using the information in the videos to be able to identify how natural selection affects organisms and their environment. Use this information from the videos as your notes and guide when completing the graded assignment.

i. [Natural Selection](#) (from Ms. Bostick and Brain Pop) (7 min)

ii. [Natural Selection 2](#) (from Amoeba Sisters) (5 min)

4. Practice

a. I want you to practice the information that you just watched or read about from above. Remember, you're being graded on being able to analyze and interpret how natural selection can affect a population of animals. Practice makes perfect!

b. Click the link below and you can brush up on and practice some vocabulary related to Natural Selection.

i. [Quizlet: Natural Selection](#)

5. Graded Assignment 1

a. This is one of the assignments that will be graded this week. After watching the video and looking at what natural selection is you are prepared to complete this week's assignment!

b. This assignment can be completed by watching this video. Then answering a brief forms that goes with the video. HINT **The answers are in the video!!*** Click below for the link to the video and to the forms.

i. Video: [Mosa Mack Video](#)

ii. Forms: [Mosa Mack Video: Natural Selection](#)

Day 2: Wednesday May 13, 2020

1. Let's look at Natural Selection and Selective Breeding!

a. Watch the brief videos below about selective breeding

- i. [What is selective breeding?](#) (3 min)

2. Practice (choose at least one)

a. I want you to practice the information that you just watched or read about from above. Remember, you're being graded on interpreting how natural selection can affect a population of animals.

b. Click the links below to play several games that relate to natural selection.

- i. [Peppered Moths](#) – Look at how moths colors allow them to live better depending if they are on a light or dark colored tree.
- ii. [Nowhere to Hide](#) – In this simulation, you will look at how different colored beetles can live depending on their color and the color of their surroundings.)
- iii. [Build your own Bird](#)- Birds all have different adaptations and functions. In this simulation, you build your own bird and analyze how it can or cannot live in a given environment.

1. This is your other graded assignment this week. FOLLOW THE DIRECTIONS BELOW: This assignment will be posted on TEAMS under the assignments tab

- a. Click on the different bird traits (wings, head, feet, and habitat) and choose the traits you want for your bird.
- b. Click on DONE.
- c. Take a screenshot of your bird and submit the picture on the TEAMS assignment
- d. Explain why your bird has a higher chance of surviving in that habitat. If your bird does not have a high chance of survival, explain what traits you would need to change on your bird to increase its chances of surviving in that habitat.

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Pre-AP Extension!

3. Natural Selection and Selective Breeding

- a. This is the assignment you'll be graded on for this week. Before you complete it, I highly recommend you watch the videos and practice being able to analyze how natural selection affects an environment before moving on.
- b. Once you feel confident, click on the forms link below. This will be the second graded component for this week. You will complete a forms based on natural selection and selective breeding. The notes and information that relate to this can be found in the videos throughout this lesson plan.

- i. [Natural Selection and Selective Breeding Forms](#)

Additional Resources if you need help:

- Mr. Crittenden's Office Hours Wednesdays (1-3) and Thursdays (1-3)
 - Help via email, Remind, or video call via Microsoft TEAMS or join [Webex](#) to ask me any questions, or just say HI! Parents and students... I will be available during these office hours via webex and I will send links through remind just before the meeting begins.
- Extra Practice
 - [Crash Course: Natural Selection](#)
 - [Brain Pop- Flap to the Future](#)
 - [Quizlet](#)

Academic/Instructional Support: Mr. Crittenden

Schedule:

Tuesdays and Wednesdays – work on science work

(If you need help or don't understand the lesson/activity, email Mr. Crittenden or send a message on Remind.)

Office Hours:

Wednesdays and Thursdays 1:00 – 3:00 pm

Use Webex (I will send the code just before office hours begin, it is also hyperlinked above under "additional resources")

To Be Graded

Make sure you submit the following from this week's lesson through Microsoft Forms links above:
the TEAMS assignment tab:

- a. Mosa Mack- Natural Selection Forms

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b. Build a bird Assignment on TEAMS