

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

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

Teacher/Team:

Kirsti Bostick / 8th Grade Science

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

Email: bostickk@lpisd.org

Link to [TEAMS Folder](#)

[3rd Period TEAMS](#)
[6th Period TEAMS](#)

**Connect with us on
Remind!**

Text @bostickgt
to 81010

Previous Lessons:

You looked at 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:

1. [Teacher Introduction Video](#) (2 min)

Day 1: Tuesday, May 12

2. 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.

[Natural Selection Overview](#) (As taught by Ms. Bostick) (7 min)

*Thanks Brain Pop 😊 *

[Natural Selection: Amoeba Sisters](#) (5 min)

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3. 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.

[Quizlet: Natural Selection](#)

4. Let's see what we know about Natural Selection!

- 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!!***
Here is the link to the video and to the forms.

Video: [Mosa Mack Video](#)

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

DAY 2: Wednesday, May 13

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

- a. Watch the brief videos below and click through the games that are there.
 - [What is Selective Breeding?](#)

2. Practice

- c. 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. Practice makes perfect!
- d. Click the links below to play several games that relate to natural selection.

[Peppered Moths](#) – Look at how moths colors allow them to live better depending if they are on a light or dark colored tree.

[Nowhere to Hide](#) – In this simulation, you look at how different colored beetles can live depending on their color and the color of their surroundings.

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[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.

3. Let's see what we know about 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.

[Natural Selection and Selective Breeding Forms](#)

Pre-AP Extension!

1. Create your own Bird

FOLLOW THE DIRECTIONS BELOW:

1. Go to <http://projectbeak.org/adaptations/build.htm>
2. Click on the different bird traits (wings, head, feet, habitat) and choose the traits you want for your bird.
3. Click on DONE.
4. Take a screenshot of your bird and submit the picture through the forms link posted below.
5. 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.

[Build a Bird!](#)

Additional Resources if you need help:

- Ms. Bostick's Office Hours Wednesdays (1-3) and Thursday (1-3)
 - Help via email, Remind, video call via Microsoft TEAMS or join [Webex](#) to drop in and ask any questions! To join Webex just click the link above and sign in with your name and then you'll join the meeting. The meetings will be held for 1 hour during office hours, and I will send the link through

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email and remind minutes before the meeting begins!

- Extra Practice
 - [Crash Course: Natural Selection](#)
 - [Brain Pop- Flap to the Future](#)
 - [Quizlet 1](#)

Academic/Instructional Support

Schedule:

Tuesdays and Wednesdays – work on science work
(If you need help or don't understand the lesson/activity, email Ms. Bostick or send a message on Remind.)

Office Hours:

Wednesdays 1:00 – 3:00 pm
Thursday 1:00 – 3:00 pm

To Be Graded

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

- Mosa Mack Forms (Submit through the forms link above)
**DUE by Monday 5/18
- Natural Selection and Selective Breeding Forms (Submit through the forms link above)
** DUE by Monday 5/18