

Lomax 8th Grade Pre-AP Science Outreach Learning
May 4 – May 8, 2020

8th Grade Pre-AP Science Week of May 4, 2020

Teacher/Team:

Kirsti Bostick / 8th Grade Science

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

Email: bostickk@lpsd.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 important DNA is for a cell's function.

Objectives

Objective / I Can:

- Recognize how traits are inherited and in determining the probability of these traits through a Punnett square.

Activities

Student Activities:

1. [Teacher Introduction Video](#) (3 min)

Day 1: Tuesday, May 5

2. Let's Learn About Heredity and Traits!

- a. Watch the video links below. You will be using the information in the videos to be able to identify the function of mitochondria and other cell parts. Use this information from the videos as your notes and guide when completing the graded assignment.

[Brain Pop: Heredity](#) log-in with UN: lpsd PW: Brain20
[Inherited Traits and Genetics Overview](#) (4 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 interpret and show what traits are being passed on to the offspring. Practice makes perfect!
- b. Click the link below and it'll bring you to an interactive website. At this site you will be able to determine the phenotype of the offspring.
READ THE INSTRUCTIONS ON THE SIDE OF THE PAGE!
It is easy to follow!

4. Let's see what we know about inherited traits!

- a. This is one of the assignments that will be graded this week.
After watching the video and practicing with the gorilla genetics activity you are ready to complete the work!
- b. This assignment can be found in TEAMS Assignment tab. It is titled **"The Potato Head"** You will download the assignment, edit it, and then upload your answer. You are going to create your very own Mr. Potato Head depending on the traits that you have!
I'd complete this super quick forms to be able to determine what traits you have! [Traits Forms](#)

DAY 2: Wednesday, May 6

1. Let's look at Punnett Squares!

- a. Watch the brief videos below and click through the games that are there.
 - [Punnett Square](#) (as taught by Ms. Bostick) (4 min)
 - [Punnett Square Overview](#) (7 min)

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 a Punnett square and the genes that are passed on. Practice makes perfect!
- d. Click the link and work through a Quizlet vocabulary several times. Become familiar with the terms and how they interconnect with each other.
[Punnett Square Quizlet](#)

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3. Let's see what we know about Punnett Squares!

- 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 interpret a Punnett square before moving on.
- b. Once you feel confident, click on the Quizizz link below. This will be the second graded component for this week. You MUST log in to be able to complete the quizizz. Your log in information is the same as your school log in.

Let me know if you need any help!

[Quizizz](#) game code: **118168**

Pre-AP Extension! ****This is the same as the previous week!***If you've already done it then you are good to go!

1. Create your own DNA

- a. Watch the introductory video to the assignment.
[Intro Video](#)
- b. Here is the color coding key that you'll need to be able to build your own DNA.
[DNA Color Key](#)
- c. Then, click on the hyperlink forms below. There is the document that you will upload your file that shows your DNA. You can submit the assignment as a picture, word document, or a video clip! If you need help with any of this, just ask me!

[DIY DNA-Part 1](#)

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 email and remind minutes before the meeting begins!
- Extra Practice
 - [Inherited Traits: Why you look the way you do \(video\)](#)
 - [Brain Pop- Heredity](#)
 - [Quizlet 1](#)

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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:

- The Potato Head (Submit through the Microsoft TEAMS Assignment, find the assignment under that assignment tab)
**DUE by Monday 5/11
- Punnett Square Quizizz (Submit through the Quizizz link above)
** DUE by Monday 5/11