

LPJ 8th Grade Science Outreach Learning
May 11-14, 2020

8th Grade Science Week of May 11, 2020

Teacher/Team:

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

Previous Lessons:

6th Grade &
7th Grade
Cells, DNA

Shawn Oliphint / 8th Grade Science

Email: oliphints@lpsd.org

Voicemail/texting: (281) 402-9291

Phone availability: T-Th 8am – 3 pm

Office Hours: Wed: 9-11 and 1-3

**Connect with me on
Remind**

Science with Mrs. O

Send a [text to 81010](text:81010)

Text this message
[@oliphints](https://www.remind101.com/join/oliphints)

Last week we reviewed Inherited Traits & Punnett Squares. Stay tuned for Science with Rascal! Some of this lesson is from 6th and 7th grade! You will need it again next year in 9th 😊

Objectives

Objective / I Can:

- Describe how traits are passed down through natural selection.

Activities

Some things I noticed you missed last week.

1. Eukaryotic cells are much more complex than prokaryotic cells.
2. The Mitochondria have their own DNA and they produce energy called ATP

Hint: There is a full format of this lesson in resources on your TEAMS Files, Class Materials Folder. (Click on link above to get to TEAMS) – Please let me know if you have questions.

Activity 1 week of 5/11:

Please [Mrs. Oliphint here in the virtual Classroom](#)

1. [Please watch intro to Natural Selection Video](#)
2. [Click Here for BRAIN POP PRACTICE](#)
Login: Ispid Password: brain20
3. Please [CLICK BELOW](#) and [**submit in FORMS**](#) for your grade – (Mosa Mack FORMS).

[1st Period](#)

[2nd Period](#)

[3rd Period](#)

[5th Period](#)

[6th Period](#)

Student Activity 2 week of 5/11

1. [Watch Instructions to Build A Bird](#)
2. Practice: Build your own bird
<http://www.projectbeak.org/adaptations/build.htm>
You will need to answer the question... What are 2 things you would could change to increase your birds chance of survival? [FORMS LINK - click here to enter answer](#)
3. Please [click below](#) and [**submit in FORMS**](#) for your grade – (KESSLER FORMS)

[1st Period](#)

[2nd Period](#)

[3rd Period](#)

[5th Period](#)

[6th Period](#)

LPJ 8th Grade Science Outreach Learning

May 11-14, 2020

ADDITIONAL RESOURCES, LINKS, PRACTICE, & VIDEOS:

Videos:

Mosa Mack

Genetic Variation

https://www.youtube.com/watch?v=25_6rKyJhqw&t=10s

Genetics & the Environment

<https://www.youtube.com/watch?v=udCtpMZ95r0>

Science Mutations

<https://www.youtube.com/watch?v=weV4CUSZw7w>

Natural Selection: Ameoba Sisters

<https://www.youtube.com/watch?v=7VM9YxmULuo>

Brain Pop – Natural Selection

<https://www.brainpop.com/science/cellularlifeandgenetics/naturalselection/>

Crash Course Kids – Living Things Change

<https://youtu.be/xDSFIrUnlrU>

What is Selective Breeding?

<https://youtu.be/ad4yB63tryI>

Mountain Goats video: Mountain lion attacks and goat survives with use of horns

<https://www.youtube.com/watch?v=hy3lOaPfDC0n>

Baby ibex survives by balancing on mountain

<https://www.youtube.com/watch?v=vTSVzeOdj8A>

Information page for specific animals and their selective traits

<https://clarkscience8.weebly.com/adaptations--natural-selection.html>

ACTIVITIES/INTERACTIVES

Brain Pop – Flap to the Future Game

https://www.brainpop.com/games/flaptothefuture/?topic_id=d8635e49fcfcfc9f

LPI 8th Grade Science Outreach Learning

May 11-14, 2020

Nowhere to Hide **Great interactive on natural selection & camouflage**

<http://sciencenetlinks.com/esheets/nowhere-to-hide/>

Natural Selection Virtual Lab

http://www.glencoe.com/sites/common_assets/science/virtual_labs/LS06/LS06.html

More PRACTICE

Quizlet

<https://quizlet.com/266932803/natural-selection-and-selective-breeding-flash-cards/>

Quizizz

<https://quizizz.com/admin/quiz/56ca17b2a9e3c44633c7dcf8/natural-selection>

<https://quizizz.com/admin/quiz/5a9579654faf050019eebc9a/natural-selection>

25 amazing adaptations - https://youtu.be/U_YD0XU0TNU

Evolution explained in 1 minute - <https://youtu.be/BgqVPFiMhA0>

What is natural selection - <https://youtu.be/0SCjhl86grU>

Galapagos the finches - <https://youtu.be/l25MBq8T77w>

natural selection explained - <https://youtu.be/X-CL4MywfkC>

The making of the fittest – rock pocket mouse - <https://youtu.be/wrTXvrKBlbc>

Antibiotic resistance - <https://youtu.be/znnp-lvj2ek>

Natural selection why does it take so long - <https://youtu.be/0lluX7lsFk>

Camel adaptation song with lyrics - <https://youtu.be/YpGg-m8wyY4>

LPJ 8th Grade Science Outreach Learning
May 11-14, 2020

Additional Resources if you need help:

- Mrs. Oliphint's Office Hours will be Wednesday (9-11 or 1-3)
 - Help via email, Remind, or video call or chat on Microsoft TEAMS, Google voice phone number 281-402-9291 for texting or voicemail

Academic/Instructional Support

Schedule:

Tuesday & Thursday – work on science work

Office Hours:

Wednesday 9:00 – 11:00 am or 1:00 – 3:00 pm
 Log into TEAMS and we can text/chat online –
 PLEASE check in weekly. This is part of your grade.
 If you need help or do not understand the lesson/activity, email me, send a message in TEAMS, or call/text 281-402-9291.
 Stay tuned for “Science with Rascal!”

To Be Graded

Make sure you submit the following from this week's lesson [through Microsoft Forms](#):

When is it due? May 18, 2020

What assignments will the student submit?

1. FORMS – Mosa Mack.
2. FORMS - KESSLER

How will it be submitted?

Electronically.