



# Science Virtual Learning

# 8th Grade Science

April 15th, 2020



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Lesson: April 15, 2020

**Objective/Learning Target:**

**I can understand how organisms have adaptations that help them survive in their environment**

## Bellwork

Watch the video to the right. Afterwards take out a separate sheet of paper you will have 3 minutes to do a quick write over “Think about some other animals with unique adaptations, what are they and how are they used?”





# Today

1. Watch and listen to the [Adaptation Song](#)
2. Read this article [Birds and Their Beaks](#) answer these questions on a separate piece of paper.
  - a. Why do birds have different shaped beaks?
  - b. What is an adaptation?
3. Play the “Match” or “Gravity” game on the left side of the screen with this set of vocabulary words [Adaptation Flashcards](#)



# Zombie Apocalypse Project

You are going to create a one pager on a separate sheet of paper.

## **Scenario-**

A zombie apocalypse has happened and you have to decide what ecosystem you are going to live in so that way you can survive the zombie apocalypse. You will have to decide what genetically modified adaptations you will give yourself to survive the ecosystem you've chosen.

Requirements for One Pager on next slide.



# Today

## Requirements of the one pager-

- Your choice of ecosystem to survive in
- Why you chose that ecosystem
- What challenges might your different body systems face based on the ecosystem you chose [Body system checklist example](#)
- Adaptations you will have to survive there
- What the adaptations are used for
- A drawing of yourself with those adaptations in the ecosystem you have chosen
- Reminder- You can use adaptations from other animals to give yourself to help you survive (gills, scales, fur, claws, camouflage, etc..)



# Answers

1. Why do birds have different shaped beaks?
  - a. To help them get food. They live in different areas and eat different things so they need different shaped beaks to help them get their food.
2. What is an adaptation?
  - a. A trait that helps living things survive in its environment. Without adaptations living things die.