

# AMAZING ANIMAL ADAPTATIONS

Driving Question: How do animals adapt to survive in their ecosystem?

You will need to create an animal which is going to be strong and resilient enough to survive in your assigned ecosystem. You will need to consider how this animal is going to stay warm or cool, what it is going to eat, how it is going to get its food and water, and how it is going to care for its young to make sure they survive. Your animal must FIT INTO the existing food chain – it cannot be the ultimate predator (the one which can eat everything else and nothing can eat it).

When designing your animal you must have the following;

- ❖ Size
- ❖ What does your animal look like?
- ❖ What does it eat?
- ❖ How will it catch/get food and water?
- ❖ How will it keep warm/cool?
- ❖ Where will it shelter?
- ❖ How will it protect itself from predators?
- ❖ What animals are in its food chain?
- ❖ Does your animal have behavioral adaptations or physical adaptation? Or both?

You must give your animal a name. The name of your animal must be something new. Be CREATIVE!!!!

You will need to create a model of your ecosystem that includes your animal. It should also include other animals that live in your ecosystem, plant and any other important features of your ecosystem.

The following links can be used to find information about each specific ecosystem:

<https://sciencing.com/animals-of-the-ecosystem-12213537.html>

<https://www.dkfindout.com/us/animals-and-nature/habitats-and-ecosystems/>

<https://www.nationalgeographic.org/encyclopedia/ecosystem/>

<https://nptel.ac.in/courses/122103039/pdf/mod6.pdf>

<https://eco-globe.com/types-of-ecosystem/>

<https://sciencing.com/types-environmental-ecosystems-8640.html>

<http://www.animalplanet.com/wild-animals/animal-adaptations/>

<http://studyjams.scholastic.com/studyjams/jams/science/animals/animal-adaptations.htm>

<https://www.nationalgeographic.org/encyclopedia/adaptation/>

\*\*\*\*REMEMBER THIS IS AN INDIVIDUAL PROJECT YOU ARE RESPONSIBLE FOR COMPLETING ALL ASSIGNMENTS ON TIME AND GETTING THEM SIGNED OFF. ALL WORK MUST BE IN YOUR RESEARCH NOTEBOOK!! PLEASE KEEP UP WITH DUE DATES AND YOUR CHECKLIST. IF YOU LOSE YOUR CHECKLIST IT WILL BE 10 POINTS OFF YOUR FINAL GRADE\*\*\*\*\*

| Checklist and Due Date   | Student Signature | Teacher Signature |
|--|-------------------|-------------------|
| <p>Design of your animal. A sketch of your animal must be in your notebook. You must include the following :size, color, special features and the name of your animal. What are their adaptations? Are they physical or behavioral? Or both?</p> <p><b>Monday April 8th</b></p>                              |                   |                   |
| <p>Food Chain. A sketch of your animals food chain must be in your notebook. You will need to do a final draft of your food chain at a later date. What animals eat your animal? What animals does your animal eat? Is your animal an herbivore, carnivore,or omnivore?</p> <p><b>Wednesday April 10</b></p> |                   |                   |
| <p>How does your animal protect itself against predators? How does your animal catch/get its food? (a paragraph should be written in your journal)</p>   |                   |                   |

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| <p>You should be able to answer this question if someone ask you during the POL.</p> <p><b>Friday April 12</b></p>   |  |  |
| <p>Rough Draft of Ecosystem with animal. Drawing of your ecosystem with your animal in it. Make sure to include any plants, other animals, sources of water and other important things that are in your ecosystem.</p> |  |  |
| <p><b>Tuesday April 23rd</b></p>   |  |  |
| <p>Final Draft of Food Chain. Make sure it is nice, neat and legible. Do your best drawing.</p>  |  |  |
| <p><b>Thursday April 25th</b></p>  |  |  |
| <p>Model of Ecosystem completed. You can create your model however you wish. You must include the following: your animal, any plant or other animals</p>   |  |  |
| <p><b>Thursday May 2nd</b></p>   |  |  |
| <p>Presentation of Learning (POL)</p>  |  |  |
| <p><b>Friday May 3rd</b></p>   |  |  |