

# ADAPTATIONS

## A SCIENCE UNIT

Make learning about adaptations fun and engaging!



*scroll*  
to take a  
peek  
inside

**PRE-K** 22 activities

# Here is what is included:

- ✔ Week-long lesson plans
  - ✔ PowerPoints and printable posters
  - ✔ Teacher resources to make instruction easier
  - ✔ Adaptations by habitat PowerPoint
  - ✔ Emergent readers and bingo game
  - ✔ Science experiments and STEM activities
  - ✔ Flip book and worksheet
- ...and SO much more!

# Here is a Sneak Peak:

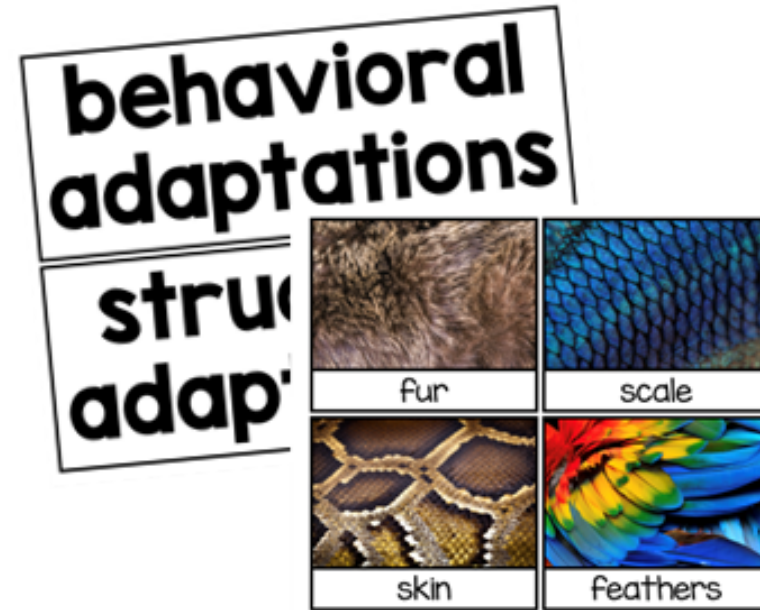


Engage your students in hands-on learning and exploration all about animal adaptations!

# Take a Closer Look:



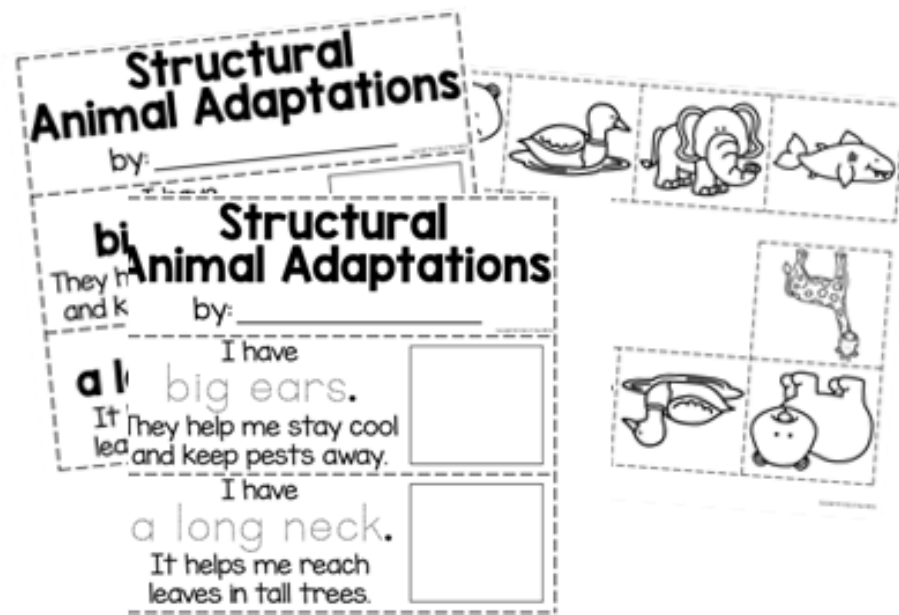
adaptations powerpoint



adaptations sort



structural adaptations



structural flip book



behavioral powerpoint

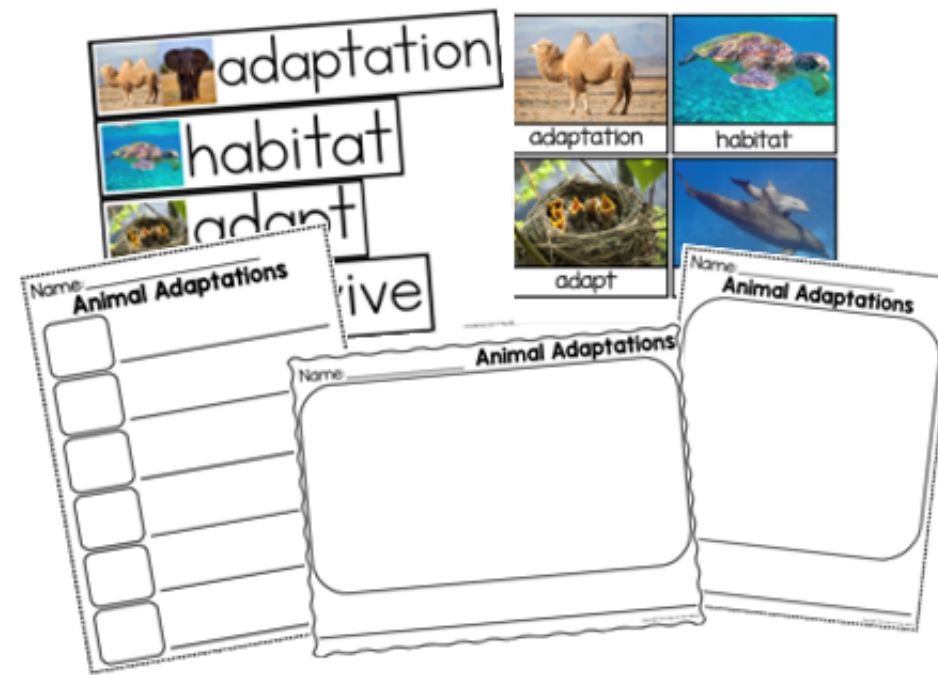


behavioral worksheet

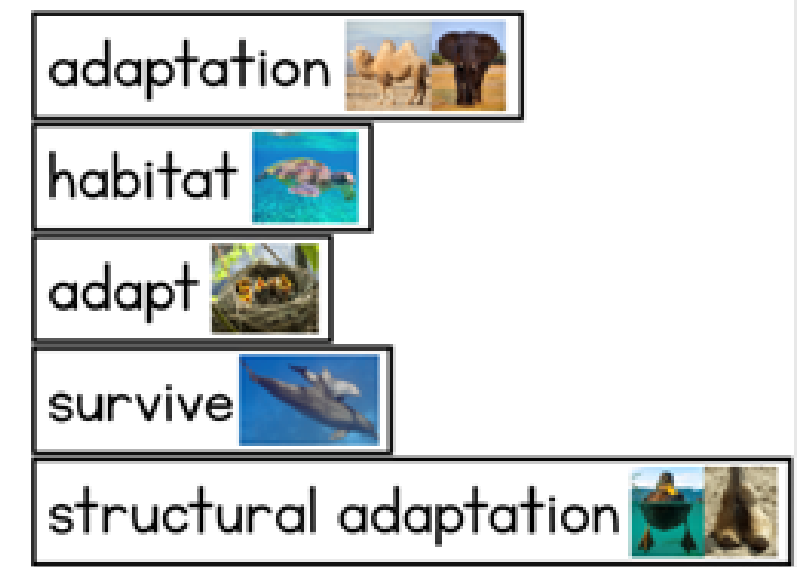
# Take a Closer Look:



definition posters



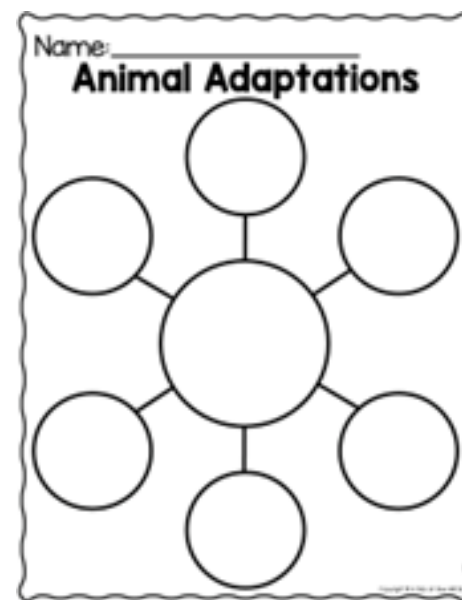
writing center



word wall



weekly question



circle maps



bingo game

# Take a Closer Look:

ADAPTATIONS <i>science</i>	
<b>M</b> <i>Monday</i>	<b>ADAPTATIONS INTRODUCTION</b> - Complete Introduction PowerPoint - Complete behavioral and structural adaptations sort (see directions page) - Each day please see our selection of Animal Adaptation songs, books, and videos!
<b>T</b> <i>Tuesday</i>	<b>STRUCTURAL ADAPTATIONS</b> - Read a nonfiction animal adaptations book - Complete Structural Adaptations PowerPoint - Complete Structural Adaptations Flip Book
<b>W</b> <i>Wednesday</i>	<b>BEHAVIORAL ADAPTATIONS</b> - Read a nonfiction animal adaptations book - Complete Behavioral Adaptations PowerPoint - Complete Behavioral Adaptations Worksheet
<b>Th</b> <i>Thursday</i>	<b>ANIMAL ADAPTATIONS BY HABITAT</b> - Read a nonfiction animal adaptations book - Complete the "Arctic" section of the Adaptations by Habitat PowerPoint - Complete the Rubber Experiment
<b>F</b> <i>Friday</i>	<b>BUILD YOUR OWN ANIMAL</b> - Read a nonfiction animal adaptations book - Draw the adaptation picture cards - Complete Build Your Own Animal Craft

lesson plans

*science:* **ADAPTATIONS**

**Dear Families,**  
We are learning all about Animal Adaptations in the classroom this week. We will be learning about physical and behavioral adaptations that help animals survive in their habitats. Ask your child to share adaptation facts with you this week!

**At-Home Activity:**  
You can learn all about animal adaptations at home! If you have a pet, discuss with your child the different physical features and behaviors that your pet has/does that helps it to be happy in your home. Go for a walk in your neighborhood and look for wildlife like birds, squirrels, etc. Discuss what type of adaptations that animal might have in order to live in the type of climate and environment that you live in.

at-home letter

**TEACHER GUIDE for ANIMAL ADAPTATIONS**

**ANIMAL ADAPTATIONS**

- The natural process by which an animal becomes suited to surviving in its surroundings is known as adaptation.
- All animals must be able to find food and water, protect themselves, withstand the climate, and reproduce in order for their species to not become extinct.
- An adaptation is a behavioral or physical trait or feature that helps an animal survive in their environment.
- Animals of a certain species have a combination of characteristics that vary slightly from one to another. The characteristics are determined by their genes, which are passed down from their parents and then passed to their own offspring.
- Some characteristics or traits provide advantages to the species that help them survive better and longer in their environment.
- Over generations, the number of that type of animal that has the characteristic, or adaptation, that helps them to survive better, becomes a general trait of the species. This process is called natural selection.
- These traits are usually those that help with basic needs, like finding food and shelter, protecting themselves, or having and caring for their children.
- Adaptations can be structural or behavioral and differ for every species and type of environment.

**NATURAL ADAPTATIONS**  
Natural adaptations are physical features of an animal that help them survive. Some adaptations include the size and shape of an animal's body. The large size of an elephant helps to scare away predators and the small size of a mouse helps it to fit into tiny places and to remain unseen. Adaptations can be an animal's covering and some animals have fur, scales, feathers, or skin. Some can camouflage with their surroundings. Body coverings can help keep the animal warm, safe, or even water resistant. Adaptations include body parts like legs, wings, claws, feet, tails, etc. A frog has strong legs that help it jump and swim. Reindeer have fur on their legs that help them grip onto snow and ice. Animals like the eyes, ears, nose, and skin are structural adaptations that help them survive. Some animals have mouths that are big enough to eat their prey. Some have sharp beaks that help them catch and eat their prey. Some have sharp teeth to be able to eat their prey.

**OW?**  
Owl adaptations help protect their organs from their prey also giving them something to hide in. Owls have large ears that help them to listen for their prey. Flexible jaws to allow them to fit their prey into their mouths and to swallow it.

teacher guide

**SCIENCE CENTER for ADAPTATIONS**

**GETTING STARTED**  
Fill your center with lots of fun materials that your students can use to investigate and explore animal adaptations. Suggested materials to include: animal picture cards, physical features picture cards, writing materials, etc. Make sure to include some books and vocabulary cards in your center as well.

**SHARING TIME**

- Have the students who went to the science center that day tell the class what they discovered or observed and any questions they may have. We have a list of open-ended questions in this unit.
- If a child makes an exciting discovery in the science center, you can ask classmates to join you near the science center so your little scientist can share their findings and enthusiasm in just a short minute or two.
- Use a sign or chart that designates it is time for the kids to congratulate the scientist and return to their center. It can be as simple as a fist bump, high five, thumbs up, or a saying like, "Good Job, Good Job, Hey!"
- Your student's enthusiasm in the science center will entice others to go there tomorrow.

science center

**QUESTIONS TO ASK for ADAPTATIONS**

**SCIENCE talk**

- What are the two types of adaptations?
- Why must an animal adapt?
- What is a behavioral adaptation?
- What is a physical adaptation?
- How long do you think it takes an animal to form a new adaptation?
- What do you think would happen if an animal didn't adapt to its habitat?
- What kind of habitat do you think is the hardest to survive in?
- What do animals need in order to survive?
- How could an animal adapt to a hot/habitat? Hot? Underwater?
- What type of habitat do you think is most important to live in your town/state? What adaptations do they have to survive?

How would you know \_\_\_\_\_?  
Why do you think that \_\_\_\_\_?  
What else might have caused \_\_\_\_\_?  
How can you explain your findings? Recall in your own words.  
How was it different than \_\_\_\_\_?  
How will you know if \_\_\_\_\_?  
Do you think you could \_\_\_\_\_?  
How did you decide \_\_\_\_\_?  
Can you tell me about that?  
How does that work?  
Can you draw me a picture of your findings?  
What will happen if \_\_\_\_\_?  
What do you think is most important? What happened when \_\_\_\_\_?  
What would you change if \_\_\_\_\_?  
How is this similar to something else you know?  
Can you think of another way \_\_\_\_\_?  
Create a new solution.  
How would you handle this problem/challenge/question?

science questions

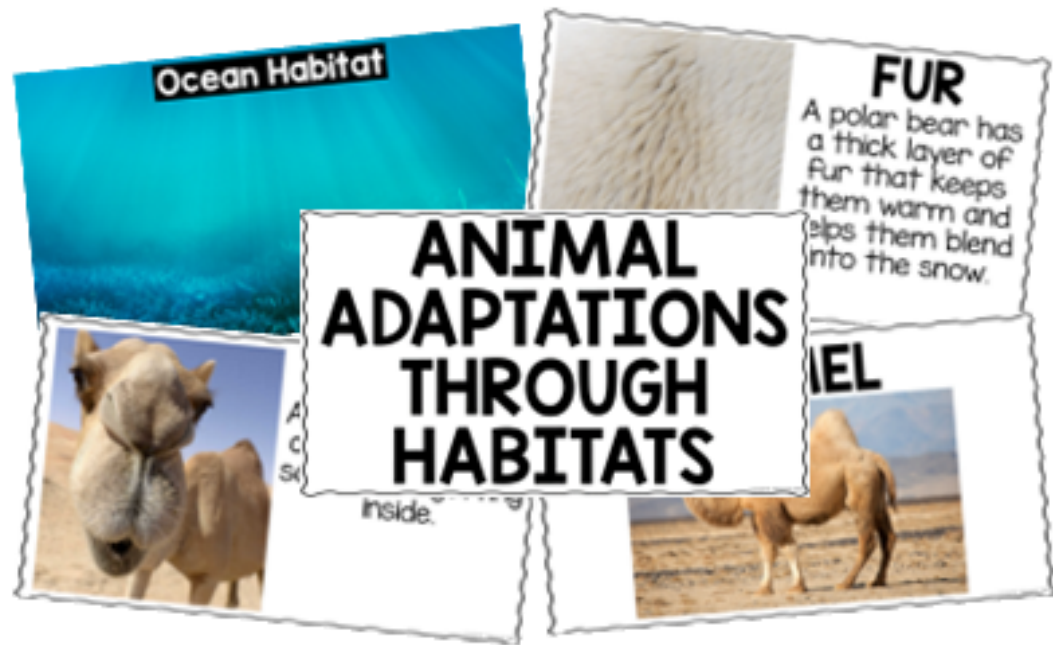
**ANIMAL ADAPTATION BOOKS**  
To help with the planning of your Animal Adaptations Unit, we have curated a list of our favorite animal adaptation BOOKS! Click anywhere on the page to be taken to our Amazon Favorites.

**ANIMAL ADAPTATION VIDEOS**  
To help with the planning of your Animal Adaptations Unit, we have curated a list of our favorite animal adaptation VIDEOS!

**ANIMAL ADAPTATION SONGS**  
To help with the planning of your Animal Adaptations Unit, we have curated a list of our favorite animal adaptation SONGS!

resource lists

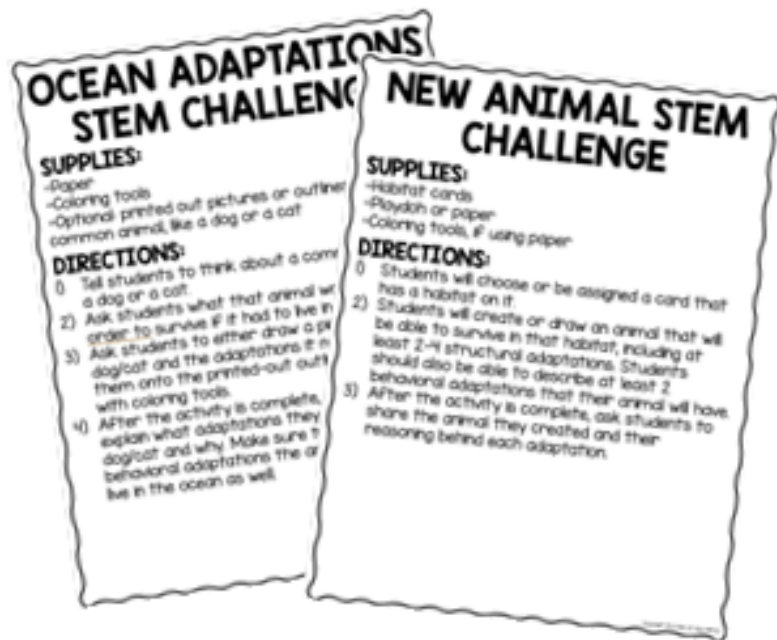
# Take a Closer Look:



habitat powerpoint

emergent readers

blubber experiment



STEM centers

build your own animal

and so much more!

# Why Teachers LOVE it:



## OPTIONS

- ✓ Variations for differentiating
- ✓ Printables in color and B&W



## EASY TO USE

- ✓ Teacher Guide
- ✓ Lesson Plans
- ✓ Cross-curricular activities



## ENGAGING

- ✓ Real Pictures
- ✓ Fun Crafts
- ✓ Hands-on Activities



# What Teachers Are Saying



“Awesome resource, thank you so much! My students created their own “animals” with adaptations. They had lots of fun!” -Jackie P.



“Teaching my students about animal adaptations with this resource was very engaging and the students loved the pictures!” -Jane F.



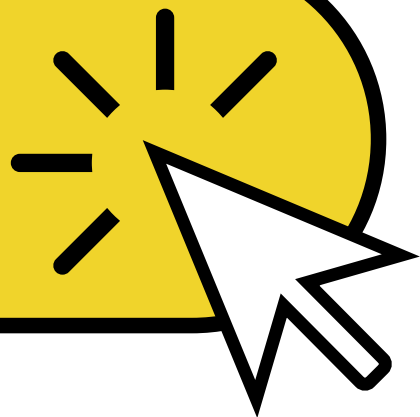
“Thank you for the wonderful resource to support my students. The info was great and so were the photographs. Great resource.” -Phyllis W.



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## ENDLESS SCIENCE mega bundle



# meet the team

I'm Jennifer... I am the founder and creator of A Dab of Glue Will Do and Dollar Teachers Club. I taught Kindergarten and 1st grade. I have a stash of chocolate in my desk and a Starbucks tea in my hand to keep me going. I love reading and watching my kiddos play soccer and do taekwondo.

*jennifer*



Here at A Dab of Glue Will Do, our team makes the lives of busy teachers a little easier by creating meaningful classroom resources to engage, encourage, and meet the needs of their little learners.

When you purchase from us, know that you're getting quality products made by teachers, for teachers. Customer service is our top priority, so please reach out to us with any questions or concerns.



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**DOLLAR TEACHERS** club 



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