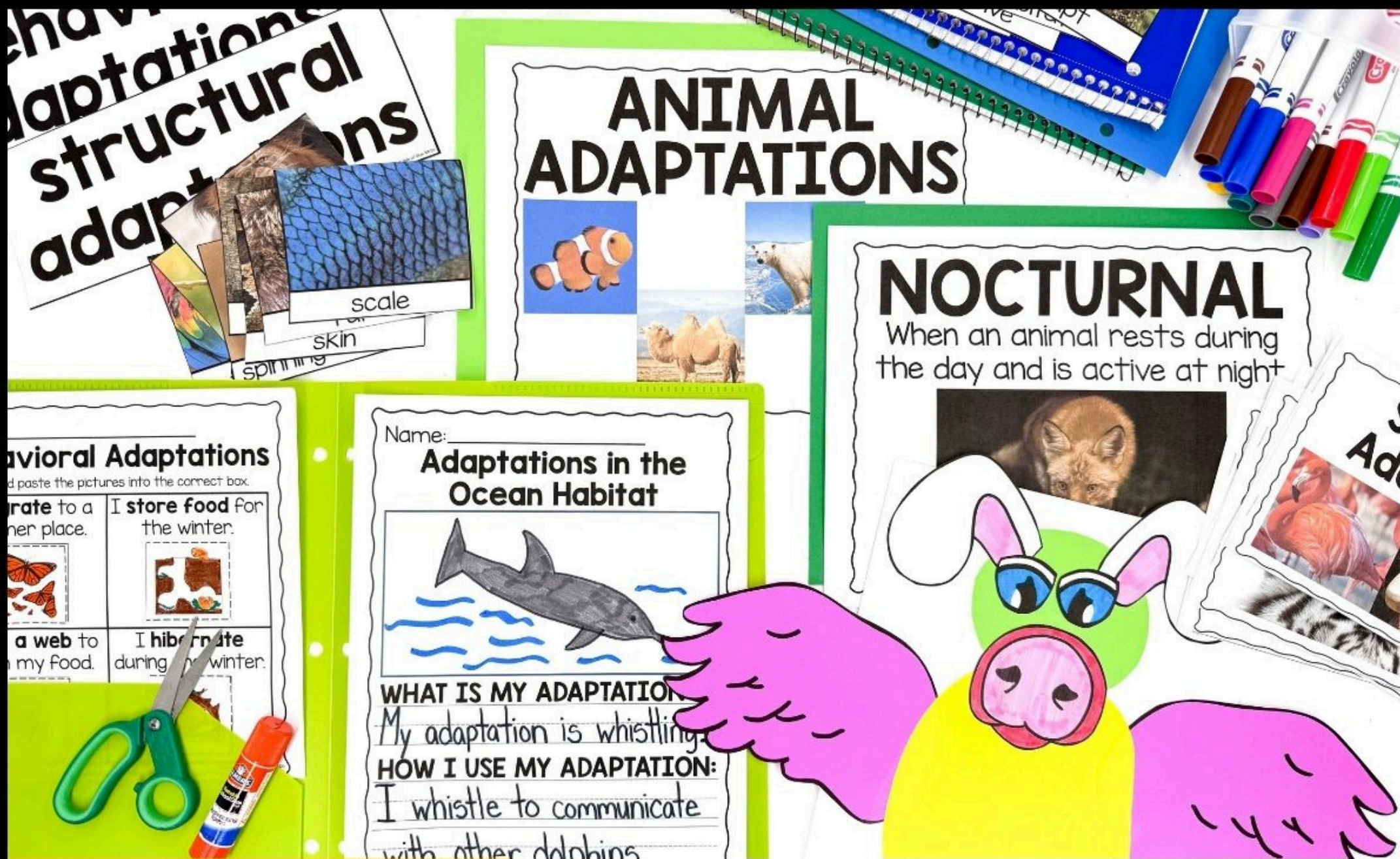


ADAPTATIONS

A SCIENCE UNIT

Make learning about adaptations fun and engaging!



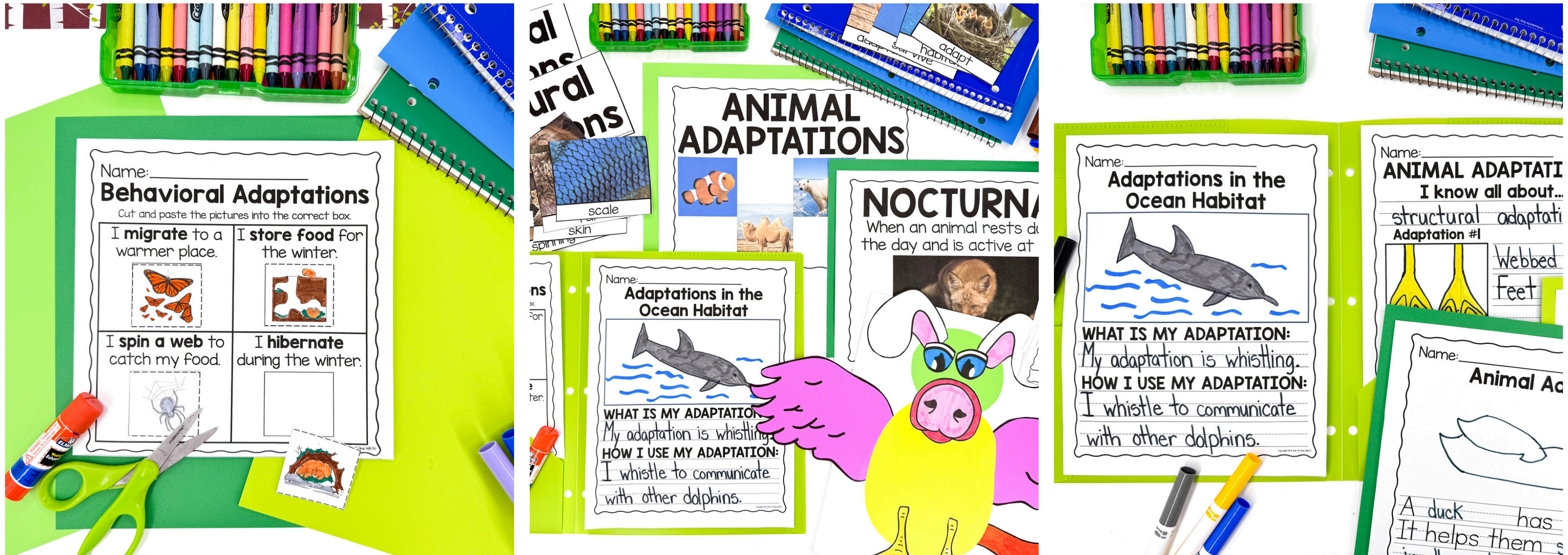
scroll
to take a
peek
inside

KINDER 23 activities

Here is what is included:

- ✔ Week-long lesson plans
 - ✔ PowerPoints and printable posters
 - ✔ Teacher resources to make instruction easier
 - ✔ Hands-on crafts and worksheets
 - ✔ Science experiments and STEM activities
 - ✔ Flip book, sorts, and worksheets
 - ✔ Bingo game and centers
- ...and SO much more!

Here is a Sneak Peak:

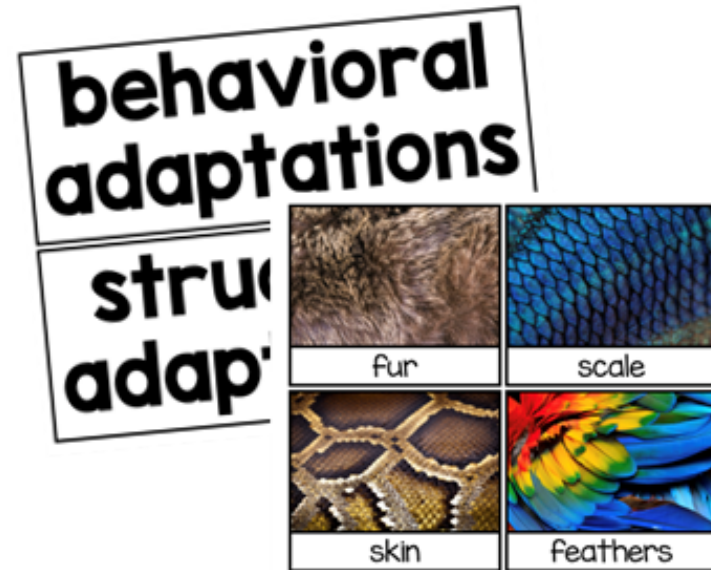


Engage your students in hands-on learning and exploration all about animal adaptations!

Take a Closer Look:



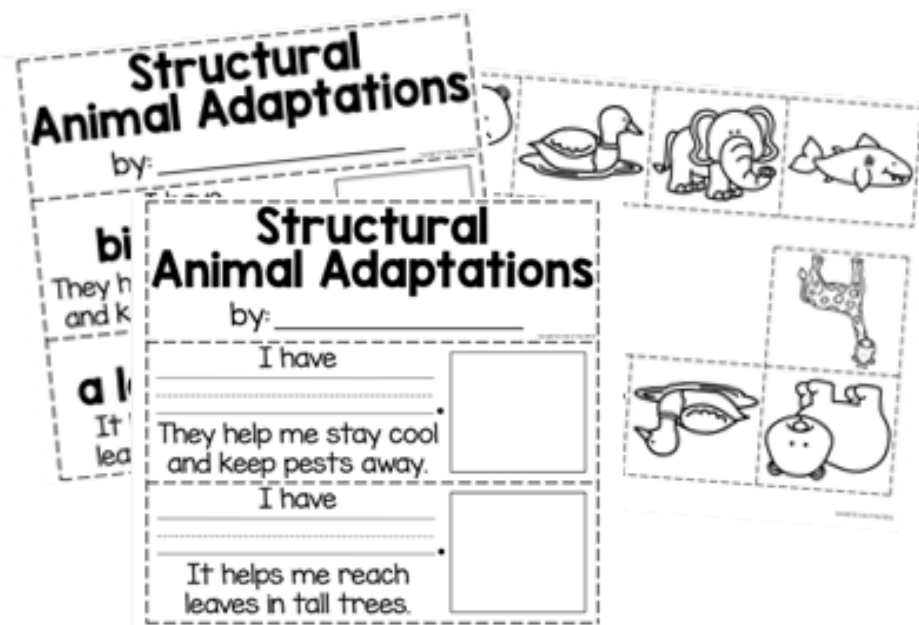
adaptations powerpoint



adaptations sort



structural powerpoint



structural flip book

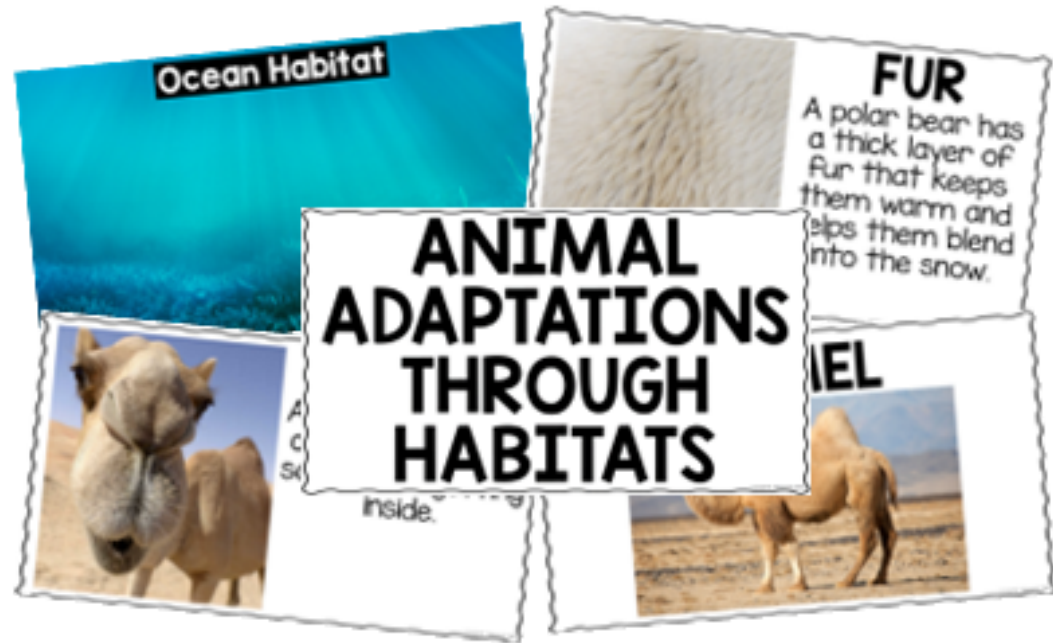


behavioral powerpoint



behavioral worksheet

Take a Closer Look:



habitat powerpoint



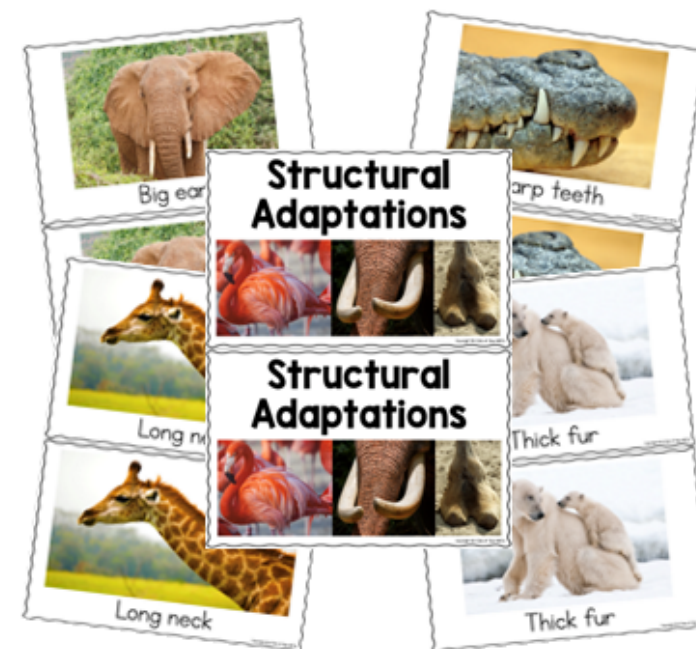
response sheets



build your own animal



blubber experiment



structural reader



coverings reader

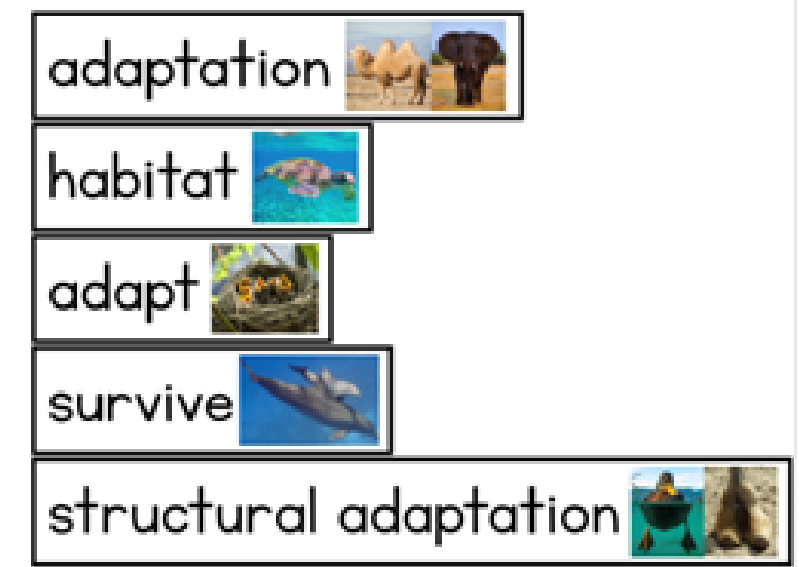
Take a Closer Look:



definition posters



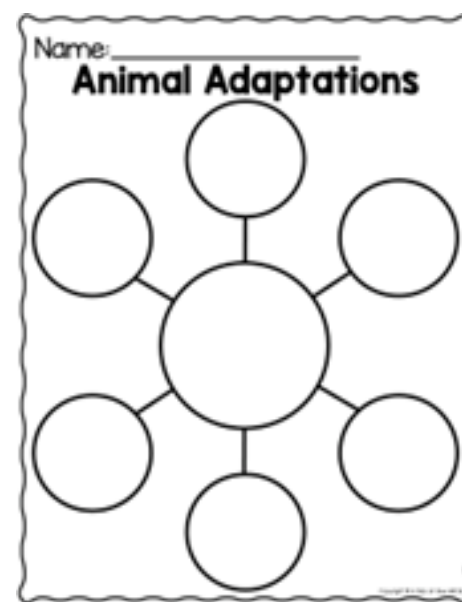
writing center



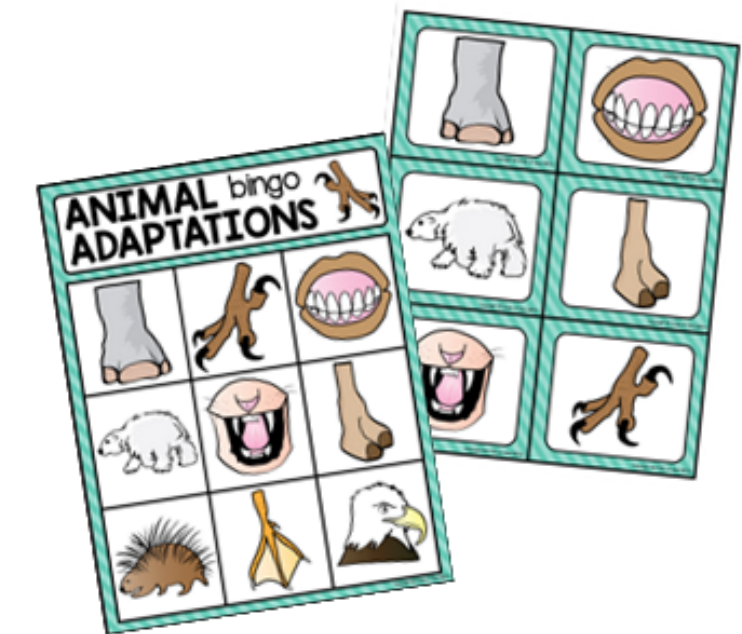
word wall



weekly question



circle maps



bingo game

Take a Closer Look:

ADAPTATIONS <i>science</i>	
M <i>Monday</i>	ADAPTATIONS INTRODUCTION -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!
T <i>Tuesday</i>	STRUCTURAL ADAPTATIONS -Read a non-fiction animal adaptations book -Complete Structural Adaptations PowerPoint -Complete Structural Adaptations Flip Book
W <i>Wednesday</i>	BEHAVIORAL ADAPTATIONS -Read a non-fiction animal adaptations book -Complete Behavioral Adaptations PowerPoint -Complete Behavioral Adaptations Worksheet
Th <i>Thursday</i>	ANIMAL ADAPTATIONS BY HABITAT -Read a non-fiction animal adaptations book -Complete the Animal Adaptations Compare Activity (see activity directions for more information) -Complete Animal Adaptations Writing Response Optional: Complete The Rubber Experiment
F <i>Friday</i>	BUILD YOUR OWN ANIMAL -Read a non-fiction animal adaptations book -Review 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. Natural adaptations include the size and shape of an animal's body, the color of its fur, and the shape of its teeth. 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. Some adaptations can be behavioral, such as hibernation, 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. Behavioral adaptations include body parts like legs, claws, feet, tails, etc. A frog has strong legs that help it jump and swim. Reindeer have fur on their feet 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 prey on, some have sharp beaks that help them catch and eat their prey, some have sharp teeth to be able to eat their

OW?

OW? helps protect their organs from their feet also giving them something to hide in. Large ears that help them to listen for prey into their mouths and to swallow.

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 adaptation?
 - 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 their habitat? Hot? Underwater?
 - How could an animal adapt to its 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

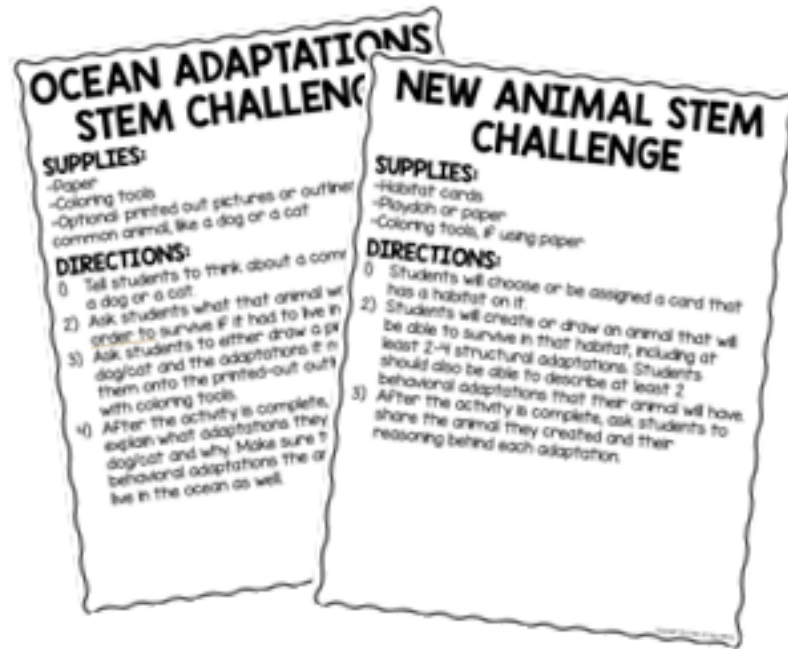
To help with the planning of your Animal Adaptations Unit, we have curated a list of our favorite animal adaptation **SONGS!**

resource lists

Take a Closer Look:



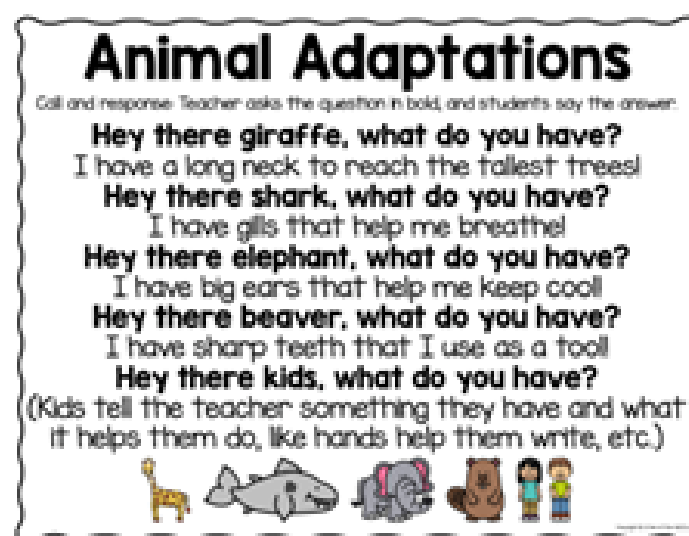
ears emergent reader



STEM centers



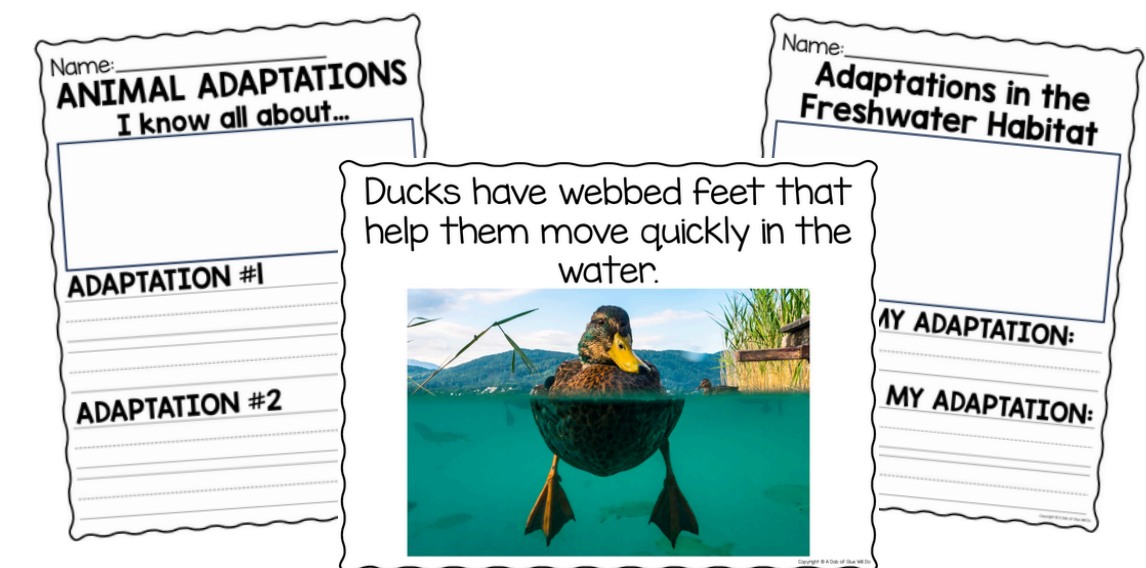
feet emergent reader



fingerplay



sensory bin



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



“Great resource for working with students. Things they can complete independently or one on one with staff.” -Elizabeth W.



“ These are my favorite TPT products, and I am never disappointed! The photos are excellent, and the worksheets are easy to use.” -Lynae



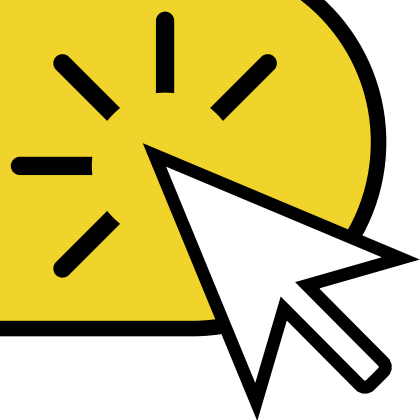
“Great resource. Easy to use. My parents said that the kids came home and were so excited to “teach” them everything they learned.” -Darcy R.



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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.

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Let's Connect! ❤️



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