

## CORTEINS

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  Join a spunky little bird on an epic adventure.

#### CREATURE FEATURE

10 Least Tern
Pull out this poster and tape it to your wall to make your room look wild.

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Great spangled fritillaries sip nectar from a milkweed flower. In addition to flowers, these butterflies get nutrients from some not-so-pretty places like mud puddles, dead animals, and poop.

by Noppadol Paothong





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#### **ON THE COVER**

Eastern Mole

by Jim Rathert



Your guide to all the VNV\$VAL, VNIQUE, AND VNBELIEVABLE stuff that goes on in nature



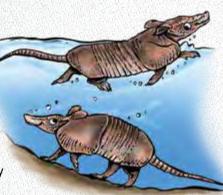
**WOOD DUCKS** nest in

holes high up in trees. A day after hatching, the babies follow mom to the entrance hole and bail out. The little fluff balls sometimes fall over 200 feet without being injured.



Although it's perfect for predator protection, a NINE-BANDED

ARMADILLO's armor is heavy. To cross wide rivers, an armadillo gulps air until its stomach inflates, then it floats across. For narrow streams, it simply walks along the bottom.



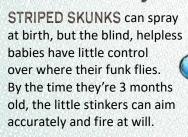
#### THREE-TOED BOX

TURTLES are Missouri's longest living reptiles. Many reach their 60th birthday, and a few may live 100 years or longer.



#### Nest fest: If a YELLOW WARBLER

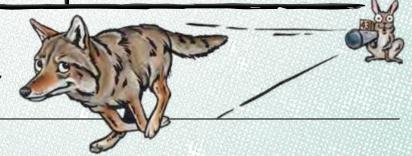
finds a cowbird egg
in its nest, does it
kick the egg out?
Nope. It simply builds
a new nest atop the
unwanted egg. If
cowbirds keep coming
back, this can result in a
stack of up to six nests.





When a predator grabs a **FIVE-LINED SKINK** by the tail, the little lizard leaves its behind behind. By flexing special muscles, the skink snaps off its tail and squeezes blood vessels shut. As the detached tail twitches, the skink slinks to safety.

COYOTES are Missouri's fastest land animal. The cagey canines can zip across grasslands at a blistering 43 miles per hour. Humans are at the back of the pack, reaching speeds of only 27 miles per hour.



DON'T KNOW? Jump to page 21 to find out.



- I spend my days on rocky glades.
- 2 Soaking up sun or hiding in shade.
- 3 Colorful scales I've got in spades.
- 4 I run real fast when I'm afraid.





Hi! I'm Phi, Xplor's mail possum. I know a lot about nature. If you have a question, email me at AskPhi@mdc.mo.gov.



**Q**: Why does poison ivy make you itchy? — From Grayson, age 7

A: Poison ivy is covered with invisible sap. Touch it, and the sap sticks to your skin. Your immune system defends your body from harmful things like germs. But sometimes it goes overboard. With poison ivy sap, it reacts by forming a red, itchy rash. Not everyone's body acts this way. About three out of ten people and ten out of ten possums — could roll around in poison ivy and not feel itchy at all. I wouldn't try it, though!

# PREVENT, TI(K BITES

on't let fear of ticks keep you indoors. Follow a few simple steps to keep the tiny bloodsuckers at bay.



Although ticks can turn up whenever it's warm, they're most active in Missouri from April through September. They live in grassy, brushy, and wooded areas, so they're often encountered when you're hiking, camping, fishing, or hunting. You might even find ticks in your own backyard.

#### DRESS TO SUPPRESS

Wear pants — even in summer — to prevent ticks from easily reaching your skin. Tuck your pants into your socks to make it even harder on the

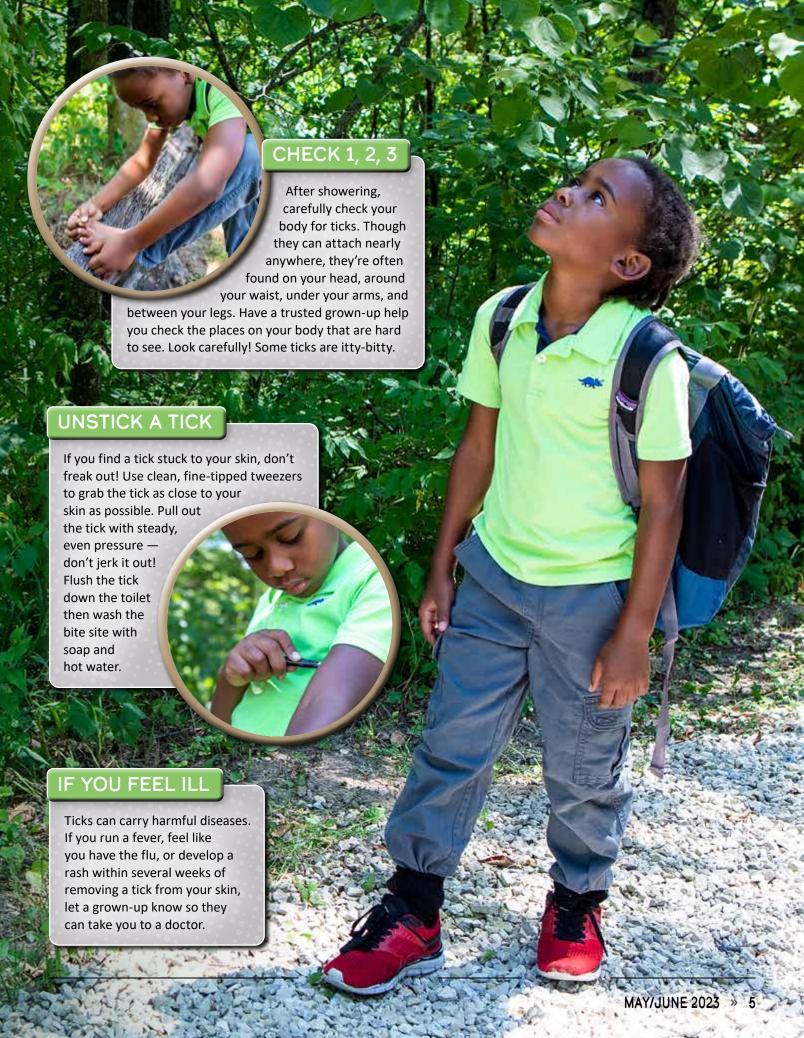
bloodsuckers. Light-colored clothing makes it easier to spot a tick crawling up your arm or leg.

#### **WEAR REPELLENT**

Spray your skin and clothing with insect repellent. If you're outside often, ask a grown-up to treat your clothing with permethrin, a strong but safe-for-humans pesticide. Be sure to carefully follow the instructions on the permethrin label.

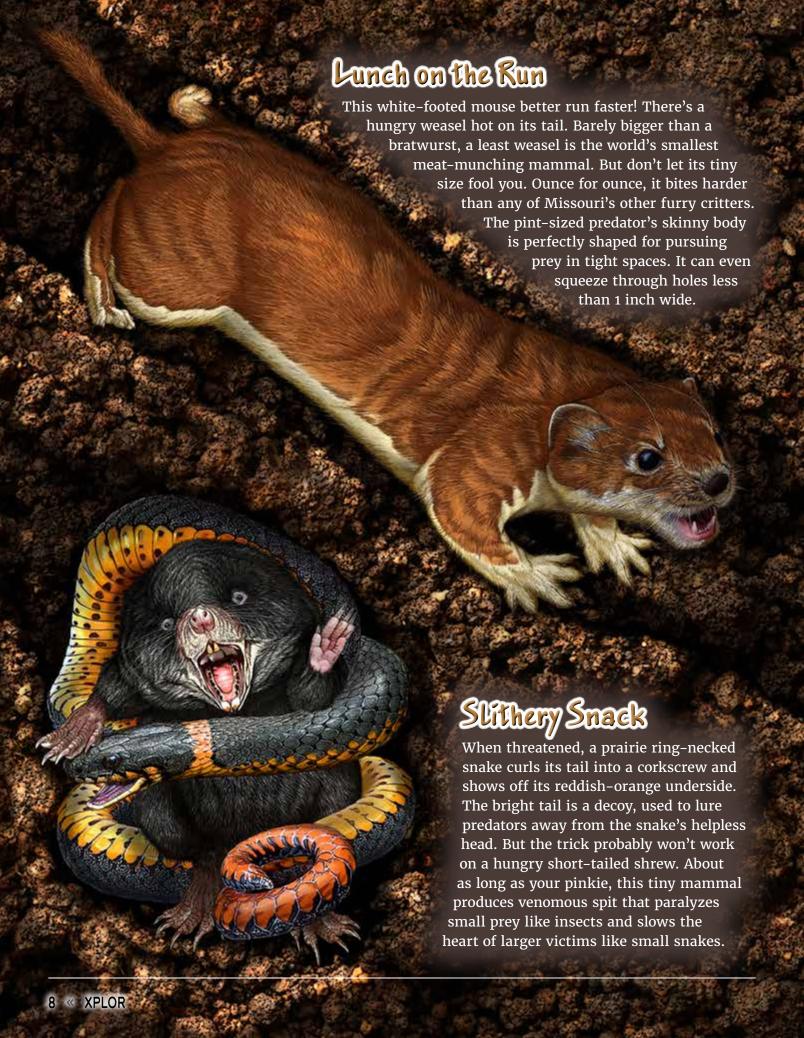
#### TREAT WITH HEAT

As soon as you return indoors, strip down and put your outdoor clothes in the dryer. Run it on high heat for at least 10 minutes to kill ticks that might be clinging to your clothing.



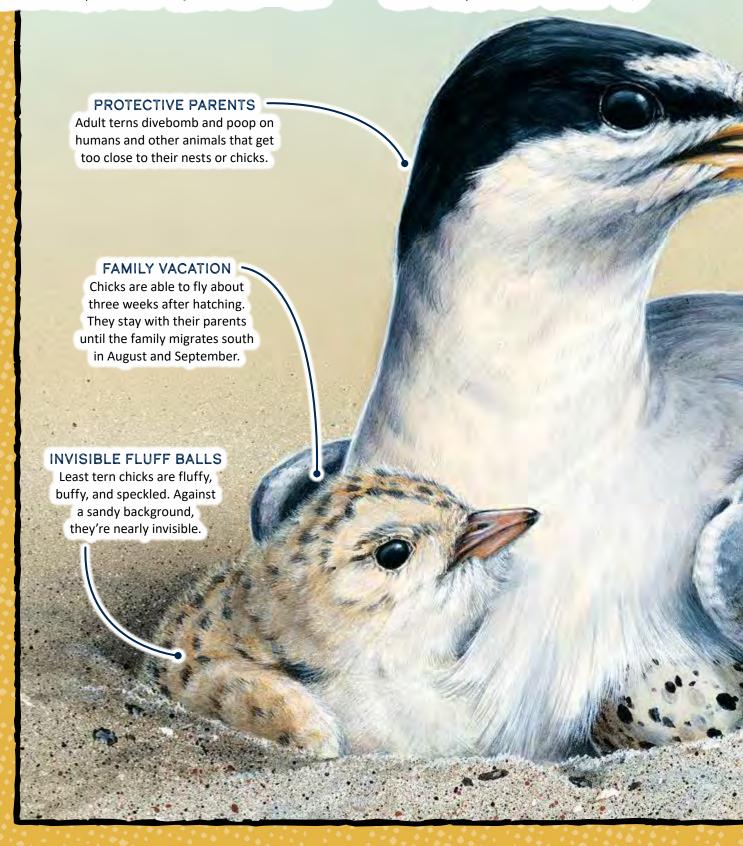
#### Dinner from the DIRT artwork by David Besenger ome creatures dine where the sun doesn't shine. Here's what's on the menu. Soiled Spaghetti An American robin hops quickly across the grass, stopping often to cock its head to look and listen. When it spies an earthworm at the surface, a tug of war begins! If the worm loses, it becomes the bird's breakfast. Though the robin usually wins, it's not entirely a one-sided fight. Stiff hairs, called setae (see-tee), circle each segment of the worm's wiggly body. The bristles anchor the earth-eater in place, making it tough to tug it out of the ground. **XPLOR**







## LEASTIERN





## POSTCARDS FROM A Wandlerung Wandbler

iHola!

My name's Azul.

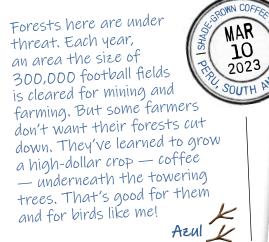
I'm a cerulean warbler.

Don't be fooled by my small size and fabulous feathers. I might look cute, but I'm a daring adventurer!

Home tweet home!
When it's winter in
Missouri, I live in Peru,
a warm, sunny country
in South America. Cloudin South America. Cloudcloaked forests on the slopes
of the Andes Mountains offer
tons of bees, beetles, and other
tons of bees, beetles, and other
bugs for me to eat. My Particular









Like most adventurers, I can't stand to stay in one place for long. Every spring, I point my beak north, flap my blue wings, and leave my lush forest behind. It's a great spot to spend winter, but there are better places to raise a family. I fly at night — it's safer that way — and stop every day at dawn to rest AZUI K my weary wings.



## CENTRAL AMERICA

Each night, I make it about 100 miles farther 6 north. When the sky's 2023 lit with stars and the wind's at my tail, I put more miles behind me. But when head winds blow me backward or thunderstorms rumble, I don't get as far. Speaking of rumbling ... This mountain is actually a sleeping volcano. I hope it doesn't blow it's lid while Azul K I'm overhead!



Who needs a map? Not this bold bird! The sun, stars, and Earth's magnetic field are all I need to find my way.

#### Azul's Adventure

Cerulean warblers travel more than 8,000 miles round-trip between Missouri and South America. We know where they go because biologists have put tiny, high-tech backpacks on some of them to track their locations.

Missouri

Guatemala

Costa Rica

Colombia

linter Home

Louisiana

MICHAEL TRUCHON | DREAMSTIME.CON



Danger lurks behind every branch. When you move around as much as I do, you're bound to run into a few critters who'd like to make you their meal. Yesterday, for example, I was scared quite a lot by a hungry ocelot. And today, while I was bathing in a jungle stream, a jaguar crept so close I could feel its breath. Yikes!

AZUI K

Nom, nom, nom. So much to eat, so little time. I've taken a break near these Mayan ruins to fatten up on jungle bugs. I need the extra energy. In a few days, I'll make a looong flight across the Gulf of Mexico. With nothing below me but the deep blue sea, there will be nowhere to land until I reach America.

AZUI I





Things have gone horribly wrong. I left the Mexican coast hours ago, surfing a tail wind across the moonlit sky. Stars danced in the ocean below. When I saw lights, I thought I'd made it to America. I circled for hours, burning energy. Then I realized it was only an oil rig far out at sea. I hope I have enough left in my tank to make the coast. Just. Keep. Flapping. Azul 1

## NORTH AMERICA

Ooh,
baby! I
think I've met
the girl of my
dreams. Her name is
Verde. Like me, she
just arrived from
South America.

whew! After flying 16
hours across 600 miles
of open ocean, I finally
made landfall on the
Louisiana coast. Boy, are
Louisiana coast. Boy, are
my tiny wings tired! Now
my tiny wings tired! Now
I'm deep in a swampy bayon.
I'm deep in a swampy bayon.
I's full of hungry owls and
It's full of hungry owls and
snakes, but I'm too exhausted
snakes, but I'm too exhausted
snakes, but I want to do is rest
to care. All I want to do is rest
and stuff my beak with bugs.
and stuff my beak with bugs.
Wait ... Did that log
just move?

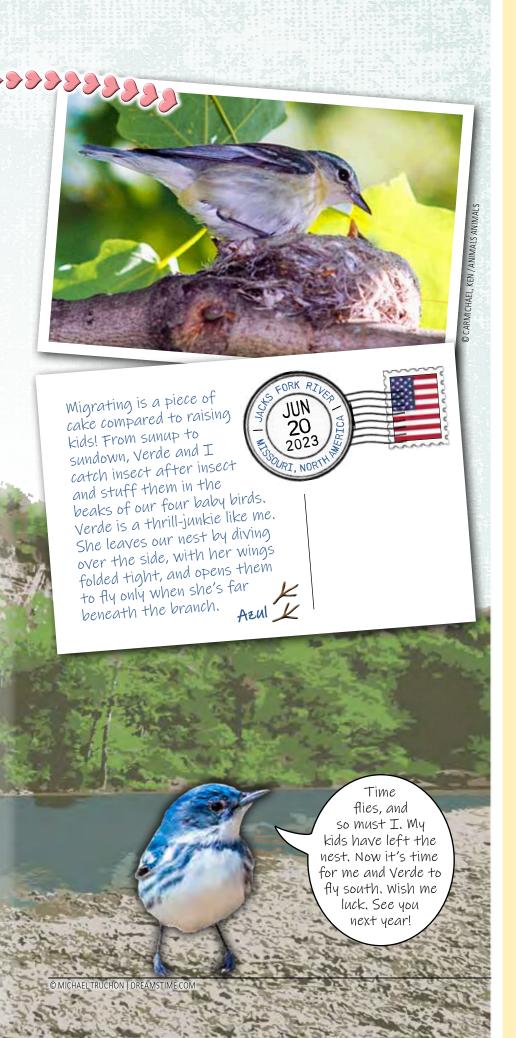
Azul



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After six weeks of traveling, I finally reach my home away from home. Deep in the Ozarks, on the banks of the sparkling Jacks Fork River, I find a towering sycamore and stake my claim. I'm not only an adventurer. I'm also a singer. From the tip-top of the tree, I whistle and warble my little lungs out.





## A Helping Hand for Feathered Friends

Birds like Azul need our help. Over the past 50 years, nearly 3 billion birds have disappeared. You can help bring their numbers up by doing a few easy things.

- WAKE YOUR WINDOWS SAFER. Each year, nearly a billion birds die from crashing into windows. To prevent collisions, put stickers or washable paint on the outside of large windows and turn off indoor lights at night.
- KEEP YOUR CATS INSIDE. Biologists estimate outdoor cats kill over 2.5 billion birds each year.
- ASK YOUR PARENTS TO AVOID PESTICIDES. Not only do these chemicals kill pests, they also kill tons of insects that birds like to eat.
- **ENCOURAGE YOUR PARENTS** TO DRINK SHADE-GROWN **COFFEE.** Find bird-friendly beans at nationalzoo.si.edu/ migratory-birds/where-buybird-friendly-coffee.
- Y PLANT NATIVE TREES AND WILDFLOWERS. They provide better habitat for birds.

## ZZFILOB MORE

## The Che Bail

More than two dozen kinds of game fish swim in the Show-Me State's ponds, lakes, and rivers.

Most will take a variety of baits, but some lures work better than others for certain fish. Test your angling IQ — and your memory — by playing this matching game.



#### Instructions

- Glue construction paper to the back of each set of cards, then cut out each card. (This way the backs of all the cards look alike.) You can also photocopy these pages and then cut out the copied cards.
- 2. Find a friend to play the game with you.
- 3. Place all of the cards face down on a table. Players take turns flipping over two cards at a time.
- 4. A player gets to keep their flipped-over cards only if one card is a fish and the other is the lure you would use to catch it. If the cards don't go together for example, if both cards are fish or both are lures or if the lure isn't the right one for the fish the player must flip the cards face-down.
- 5. Continue taking turns until every match has been found and all the cards are gone. The player with the most cards wins.

#### The Fish Cards



Largemouth Bass



**Smallmouth Bass** 



**Channel Catfish** 



**White Crappie** 

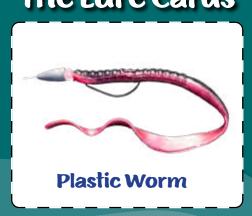


Bluegill

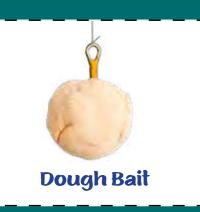


**Rainbow Trout** 

### Different Dishes for Different Fishes Largemouth Bass » Plastic Worm White Crappie » Marabou Jig Smallmouth Bass » Crayfish Lure Bluegill » Tube Jig Channel Catfish » Dough Bait Rainbow Trout » Dry Fly The Lure Cards













## FUN THINGS TO DO AND GREAT PLACES TO DISCOVER NATURE





**SMALLMOUTH BASS SEASON** opens for Ozark streams on May 27. Cast a crayfish lure into the deep water around boulders or under snags. With any luck, you'll soon have a hungry smallmouth fighting on the end of your line.

caterpillar munch leaves.

In May, MONARCH **BUTTERFLIES RETURN from** the south and begin laying eggs. Search the undersides of milkweed leaves to find the tiny white eggs. If you find one, check back every few days to watch the hungry



June 3 is NATIONAL TRAILS DAY. Celebrate by hiking a trail and picking up any trash you find along the way. Conservation areas have miles of multiuse trails to explore. Search for one nearby at mdc.mo.gov/atlas.

To GET A CLOSE-UP LOOK at the creatures that live in ponds, marshes, and streams, wash an empty bleach bottle. Cut off the bottle's end and poke holes in the side opposite the handle. Scoop up mucky water, let it drain from the holes, and be astonished at the squiggly creatures left behind.



May is the perfect time to START GROWING YOUR OWN **BIRDSEED**. Plant a few rows of sunflowers, and you'll keep every cardinal, goldfinch, and chickadee in your neighborhood fat and happy all autumn long.



Looking for more ways to have fun outside? Find out about Discover Nature programs in your area at mdc.mo.gov/events.



#### EASTERN COLLARED LIZARD

Eastern collared lizards live on dry, rocky glades scattered across southern Missouri. The colorful carnivores are Missouri's fastest reptile. They can reach speeds up to 15 miles per hour when chasing down prey like grasshoppers or dashing away from predators like roadrunners. If a collared lizard has a need for extra speed, it stands upright and runs on its hind legs, using its long tail for balance.

#### GO FIND IT!

Cut out this critter card and take it with you outside. How many of the things on the card can you find?

#### SPECKLED KINGSNAKE







#### SHY GUYS AND GALS

Shy and secretive, speckled kingsnakes hide under rocks and logs or in abandoned animal burrows.

#### PEST PATROL

Kingsnakes eat rodents, eggs, small birds, and other snakes — even venomous ones like copperheads and rattlesnakes.

#### ALL HAIL THE KING

Speckled kingsnakes aren't affected by the venom of Missouri's cottonmouths, copperheads, and rattlesnakes.

#### **HEAVY HUGGERS**

To subdue prey, kingsnakes coil around it and squeeeeeze until the meal quits breathing or its heart stops.

#### EGGSTRA SNAKES

In June and July, mama kingsnakes lay eggs in rotten logs, sawdust piles, and animal burrows. The babies hatch in August or September.

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FREE TO MISSOURI HOUSEHOLDS



Speckled kingsnakes live in prairies, farm fields, wooded hillsides, and the edges of forests and marshes. For more on this spotted serpent, slither over to mdc.mo.gov/field-guide.

