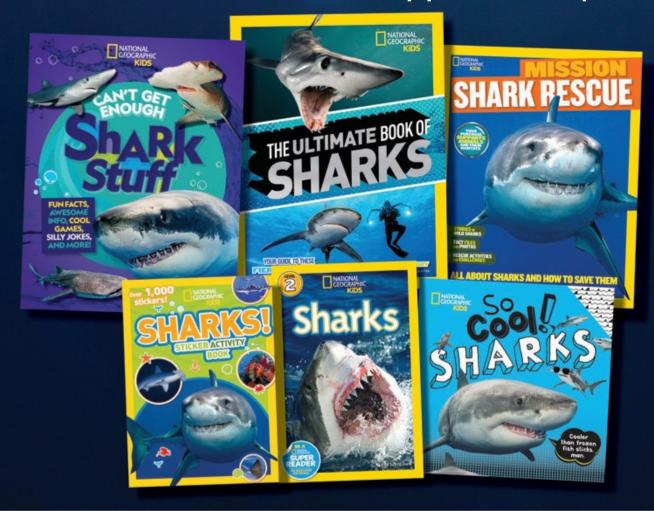




Swim straight for these amazing books! Everyone knows that sharks are soooo cool, and we've got everything you need for a super summer bingeread all about these sleek and stealthy powerhouse predators!





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Piscover what your life might look like when you grow up!

look like when you grow up!
Find out what you'll wear,
where you'll live, and even
what future theme parks
might be like. Plus, check out
how future scientists could
protect our planet. First,
take a cool quiz on pages
12-13 to find out which job of
the future is right for you.



CHECK OUT THE BOOK!

CITY LIFE

Soon, urban areas will have fewer cars and more drones. Check out what else city dwellers of the future can expect.



CLOTHING

Future fashion won't be just for wearing—clothes will check the weather, give directions, and even wash themselves.



CARS

You might spend almost 300 hours in the car each year—good thing vehicles of the future will be safer and greener.



THEME PARKS

Rider-controlled roller coasters and no lines ever? Put your hands in the air for the supercool theme parks of the future!



CLIMATE TECH

Scientists are dreaming up ways to cool down the Earth. Discover a few of their brainiest ideas to slow climate change.



LIFE ON MARS

You could be one of the first people to travel to the red planet. Here's what life on a Mars colony might be like.



COVER: MONDOLITHIC STUDIOS (ALL). PAGE 3: MONDOLITHIC STUDIOS (ALL)

JUST FOR PARENTS

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Check out these outrageous facts.









DETACH AN ARM ON PURPOSE TO DISTRACT A PREDATOR.

One person wrote an ENTIRE NOVEL without using the letter

Fingerprints last up to 40 YEARS on paper.





Moment of YUM-

These pics might make your tummy rumble. BY ALLYSON SHAW



Extra Check out Spicy these table manners: When a meerkat finds a **scorpion**, it grabs the arachnid with its forepaws, bites off and spits out the deadly stinger, removes the venom by dragging the squirming critter through the sand, then finally chows

down. Crunch!



The throat pouch of a brown pelican expands to help it scoop up fish. Once a fish is trapped, the pouch gets smaller to empty the water. Then the pelican jerks back its head and swallows the swimmer whole.





GUINNESS WORLD RECORDS

NO TRAINING WHEELS NEEDED!

BY KAY BOATNER

TORTOISE ROCKS

3D SHELL Kind humans had this tortoise's back—literally. When Fred the red-footed tortoise lost 85 percent of her shell in a forest fire, volunteers went to work creating a new one: the world's first 3D-printed tortoise shell. The replacement shell was made by printing out four separate sections of corn-based plastic, which were then painted to appear more natural. Fred's new look certainly fooled us. AFTER PAINT



You'll need a bathing suit to check out *this* art show. Located off the coast of France, the Underwater Museum of Cannes is home to six submerged sculptures from Jason deCaires Taylor, who holds the record for the most underwater art installations. Taylor, who's completed 12 aquatic installations around the world, uses only eco-friendly materials in his work. His sculptures are also designed to provide habitats for native plants and animals.



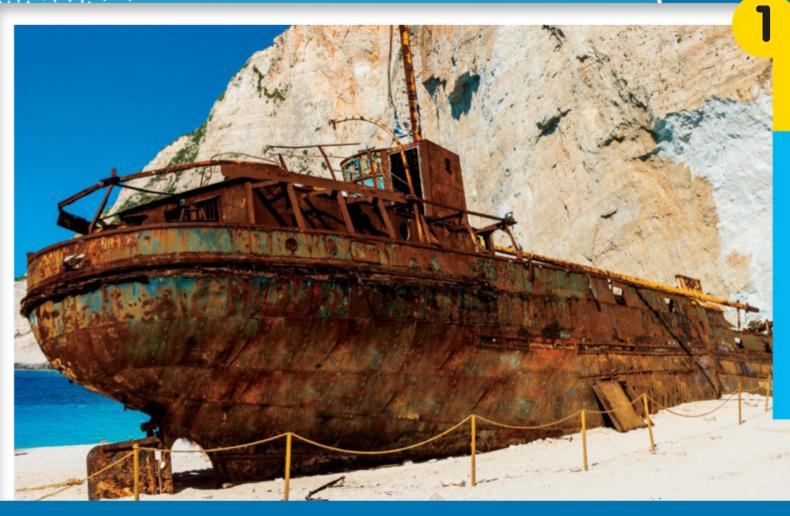


This guy really pedaled his way into the record books. The tallest rideable unicycle towers 29 feet above the ground. That's like 15 bicycles stacked on top of each other! Wesley Williams's nickname now makes sense: He's been dubbed the "One Wheel Wonder."



awasina

BY SARAH WASSNER FLYNN AND BRITTANY MOYA DEL PINO



THEY'RE OUTTA THERE

A stormy chase in 1980 caused the *Panagiotis* to run aground on the Greek isle of Zakynthos. The stranded crew of smugglers supposedly abandoned their ship to avoid capture by the Greek Navy, leaving behind a now rusty souvenir for beachgoers.

STRIKING SHIPWRECKS

UNEXPECTED EVENTS MEANT TROUBLE AT SEA FOR THESE UNLUCKY VESSELS.

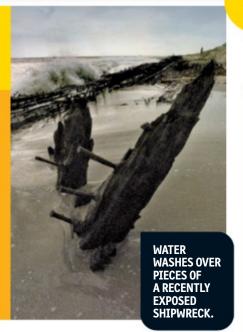
REFUGE IN THE REEF

The steel-built **S.S.** *Yongala*, which sank in the middle of what's now Australia's Great Barrier Reef Marine Park during a 1911 cyclone, is now an underwater refuge for oysters, sea fans, damselfish, and cod. Scuba divers also like to explore this popular artificial reef.

Corals and small fish start turning a shipwreck into an artificial reef in a few weeks.

DIGGING FOR HISTORY

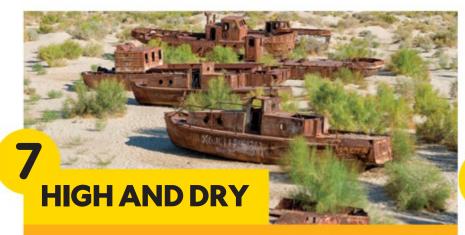
Treacherous currents, storms, and sandbars have wrecked an estimated 1,000 ships off of **Hatteras** Beach in North Carolina. Tides and wind pull back the sand for beachgoers and archaeologists, who can then explore this "graveyard of the Atlantic."





This former cargo ship was pulled off course by the 145-milean-hour winds of Hurricane Frances in 2004. Now La Famille **Express** rests as a tourist attraction in shallow water off the coast of Turks and Caicos, just northwest of Puerto Rico.

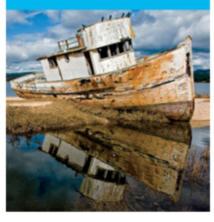
THAR SHE BLOWS!



What happens when you drain a river? These boats, moored in what's known as the Aral Ship Graveyard, show one result: They're all that's left of a small fishing town in Uzbekistan after the former Soviet Union diverted river water to irrigate crops.

POINT OF PERIL

Just north of San Francisco, California, Point Reyes reaches 10 miles into the ocean, waiting for ships like a treacherous claw. This rocky coast has claimed more than 50 shipwrecks and continues to snag small vessels like the one below with bad weather, unforgiving currents, and jagged shorelines nearly every year.





It was one of the biggest and most heavily armed vessels of the time. But after many torpedo and bomb hits from U.S. military forces during World War II, the Japanese battleship *Musashi* caught fire and sank. The ship remained hidden in darkness for more than 70 years until researchers spotted it in 2015 near the Philippines.



Ships passing Namibia's **Skeleton Coast** in Africa must withstand thick fog, strong currents, and driving winds that push ships toward shore. Vessels that couldn't handle the forces of nature became—and remain—stuck in the sand.

AMAZING ANIMALS

Squirrel Goes Nuts

THINK I PACKED ENOUGH SNACKS?

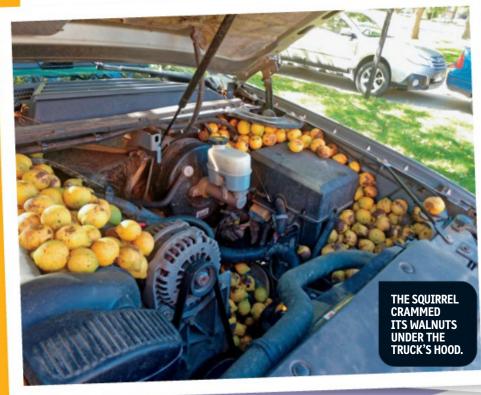
Fargo, North Dakota

A North American red squirrel picked a surprising spot to stash its walnuts: a pickup truck.

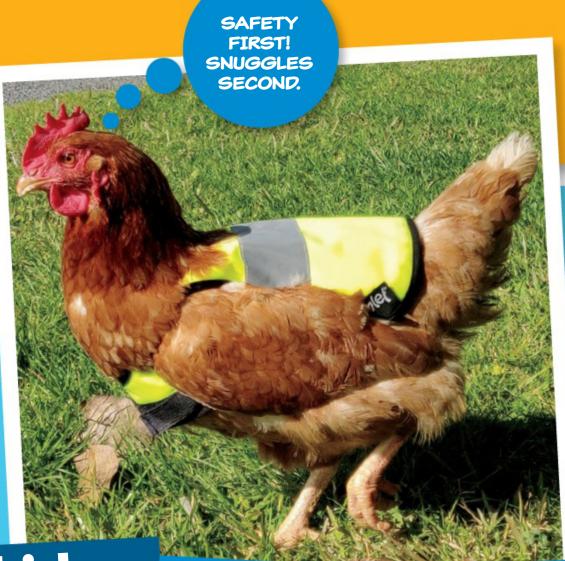
The truck's owner, Bill Fischer, has tried parking in different spots for eight years but always ends up plucking the lime-size nuts from his vehicle. Last year, after returning from a four-day trip, Fischer found a bigger mess than ever before: His truck was full of 300 pounds of walnuts! They were stuffed around the engine, in the front bumper, by the wheels, and in parts of the frame.

These squirrels are larder hoarders, which means they keep their treasured treats in one or a few places that they carefully guard instead of spreading out the haul. But why *this* truck?

"It appears to be in the squirrel's territory and a good spot to defend from other squirrels," wild-life ecologist John Benson says. "And if this animal has had good luck defending the truck, it will probably defend it for life." Somebody give this squirrel a parking ticket! —*Alli Dickey*







Chicken 'Crossing Guard'

Newstead, New Zealand

Why did the chicken cross the road? Because she "works" in the parking lot!

Decked out in a yellow safety vest, a hen named Henry patrols the lot at Newstead Country Preschool. Each morning she greets the arriving students, and her presence reminds motorists to drive slowly and carefully. That helps the kids stay safe.

The school's owner, Tracy Trigg, rescued the hen when she appeared at her friend's house, looking thin and lost. Trigg, who also teaches at the school, brought the friendly bird to the farm attached to the preschool. (Students interact with farm animals as part of their lessons.) But Henry didn't want to stay in the field.

"The parking lot was where all the people were, so that's where Henry would turn up in the mornings," Trigg says. "She would rather hang out with us than the other chickens."

After a few days, Trigg let Henry take on the job permanently. Her payment? Cuddles and a bit of tasty cheese. —Alli Dickey

Comeback Critter:

Jaguar

Sonora, Mexico

A young jaguar named El Bonito strolls up to a camera trap and sniffs the lens. Scientists were excited to see this cat whose name means "the beautiful" in Spanish—so close to the Arizona border. Why? It could be a sign that jaguars are reclaiming old territory.

Jaguars once roamed throughout Arizona and New Mexico, but hunters wiped out the entire U.S. population over the past century. But for 15 years, conservationists in Sonora—a state in Mexico that borders those two U.S. states—have worked to protect jaguar habitat and keep the cats alive. (Ranchers sometimes kill jaguars that they blame for eating their cattle.)

Although male jaguars occasionally cross into the United States, the cats can only make a comeback in their former territory if females cross over, too. The problem? Female jaguars rarely travel far from their mothers' home range. So discovering a young jaguar like El Bonito, who still sticks close to Mom, might mean that his mother is close by—and exploring new territory.

—Douglas Main



SQUIRREL Fargo,

North Dakota

JAGUAR Sonora, Mexico

CHICKEN Newstead. **New Zealand**





SPECIAL FUNCTION OF THE SPECIA

PERSONALITY

MAKING
MAJOR
DISCOVE
IN A LAB

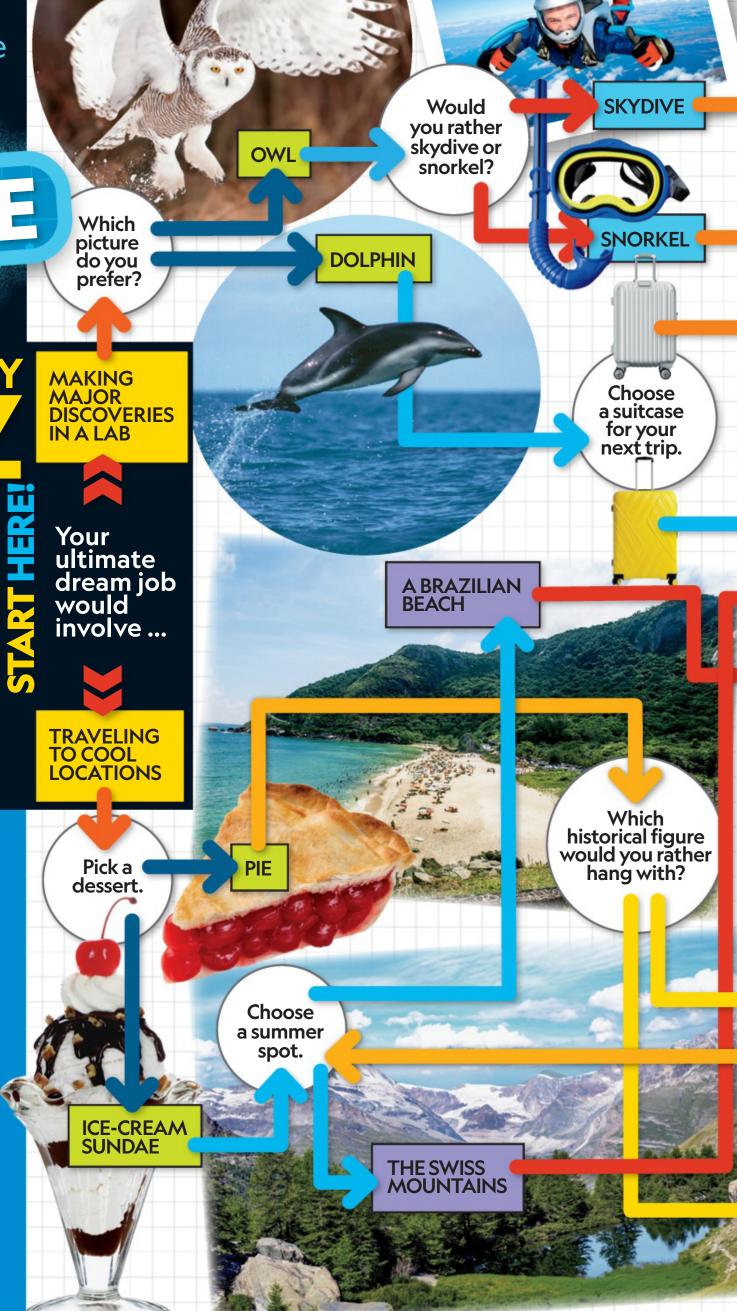
BY KAY BOATNER

Welcome to the future! This special issue is crammed with tons of information from the Ultimate Book of the Future to give you a peek at what scientists and other experts think your life might look like when you grow up.

Discover what you'll wear and drive, where you'll live, and even what future theme parks might be like. Plus, check out some mind-blowing ways future scientists could protect our planet from global warming.

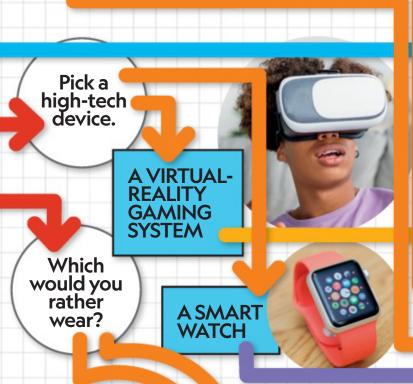
But first: Take this personality quiz to see which job of the future is the best fit for you. Then start flipping to find out what your future might hold!

2 NAT GEO KIDS



JIM CUMMING / ALAMY (BIRD); © HIROYA MINAKUCHI / MINDEN PICTURES (DOLPHIN); 2HAPPY / ALAMY (SKYDIVER); ARTISTEER / GETTY IMAGES (S (SILVER SUTICASE); AFRICA STUDIO / GETTY IMAGES (YELLOW SUTICASE); GARY BELL / OCEANWIDE / MINDEN PICTURES (SEA TURTLE); JUERGEN & (FIONA ROGERS / NPL / MINDEN PICTURES (CHIMPANZEE); THECRIMSONMONKEY / GETTY IMAGES (SUNDAE); MPHILLIPSOO7 / GETTY IMAGES (PIE);

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AN UNDERSEA MEDICAL RESEARCHER!



worry. This quiz is just for fun! The ocean is mostly unexplored, and scientists think it hides things like unusual chemicals that could help cure deadly diseases. In the future. medical researchers will swap lab coats for wet suits to swim in search of new medicines. You would do well in this role thanks to your adventurous spirit and appreciation of aquatic animals.

A SPACE PILOT!



In the future, Earth will need more astronauts. As space tourism takes flight, companies will need fearless pilots to command the rockets and space planes that will take visitors to their galactic destinations. Your love of exploration—plus your hope that we're not alone in the universewould make you a great space pilot.

AN ANIMAL CONSERVATION TECHNOLOGIST!



Conservationists of the future will need to understand why animals become endangered. They'll also need training in artificial intelligence to program drones to find poachers. Whether you're passionate about endangered animals or backyard critters, you're wild about saving wildlife. With your big heart, you'd be happy working in a conservation-focused field.

A ROBOT-HUMAN COMMUNICATOR!



Right now, robots operate in the background, vacuuming floors and adjusting the thermostat. But in the future, people and robots might work side by side. Robot-human teams could work together to perform rescue operations or run scientific experiments. Organized and friendly, your leadership skills could totally translate to managing robots.

A DRONE DRIVER!



Many experts think that city skies will soon be full of delivery drones. Someday, they could even fly themselves. But first, they'll need pilots. **Experts predict that drone technology** could create more than 100,000 jobs by 2025. You're super analytical and have great problem-solving skillsyou'd make an excellent drone pilot.

CHECK OUT THE FUTURE TECH HUB! natgeokids.com/tech

ANDRIJ VATSYK / ADOBE STOCK (MOUNTAINS); HULTON ARCHIVE / GETTY IMAGES (GEORGE WASHINGTON CARVER); EVERETT COLLECTION / SHUTTERSTOCK (AMELIA EARHART); PROSTOCK-STUDIO / GETTY IMAGES (VR HEADSET); CHARN-SITR / SHUTTERSTOCK (SMART WATCH); ZOE HYLAND / SHUTTERSTOCK (CAP); RICHCANO / GETTY IMAGES (SUNGLASSES); RAINER VON BRANDIS / GETTY IMAGES (UNDERSEA MEDICAL RESEARCHER); HUTANGAC / GETTY IMAGES (SPACE PILOT); SEBASTIAN KENNERKNECHT / MINDEN PICTURES (ANIMAL CONSERVATION TECHNOLOGIST); EVGENIYSHKOLENKO / GETTY IMAGES (ROBOT-HUMAN COMMUNICATOR); JAYMI HEIMBUCH / MINDEN PICTURES (DRONE DRIVER)

If these descriptions don't match your

personality, don't

















Scientists are dreaming up ways to cool down the Earth. Check out a few of their brainiest-and zaniest!-ideas to slow climate change.

PAINTING MOUNTAINS

Glaciers help keep the planet cool because their icy white color reflects light and heat from the sun. But as Earth warms, glacier ice melts, which then heats the planet even more. One Peruvian inventor came up with a possible solution: painting a former glacier—now a dark mountain—bright white. Like snow and ice, the white paint would reflect light and heat to help keep the planet cool.

CARBON EATERS

Carbon dioxide—a heat-trapping gas released by burning coal, oil, and natural gas—is dangerously warming the planet. Luckily, phytoplankton (microscopic plant-like creatures that live on the surface of the ocean) suck small amounts of this gas out of the air for food. So scientists dumped iron, which phytoplankton need to grow, into an area of the ocean. The result? A huge growth of hungry phytoplankton that gobbled up the CO2, causing levels in the area to drop.

((1 (5V

CREATING CLOUDS When volcanoes erupt, the ash can form a shield that reflects the sun's heat into space and lowers Earth's temperature by one degree Fahrenheit for a little bit. This inspired scientists to look into spraying sea salt into the sky from airplanes. There, water vapor would collect on the salt particles and form clouds that would help reflect the sun's heat. But once started, the process would have to go on forever, or the planet would quickly rewarm. SPACE UMBRELLA When you get too hot at the beach, you sit under an umbrella ... so why not do the same for the planet? Scientists estimate we would need to decrease the sun's glare by only 2 to 4 percent to make the planet's temperature healthy again. One idea is to deploy trillions of butterfly-size robots that would form a sunshade 60,000 miles wide. But how to launch them is a puzzle—this technology doesn't exist yet. S.S. Ironheart YOU CAN HELP SAVE THE EARTH! CHECK OUT IDEAS AND TIPS.



LIFE ON MARS

You could be one of the first people to travel to the red planet. Here's what life on a Mars colony might be like.

LANDING GEAR

Your first glimpse of your new home is through the tiny porthole window in your thousand-square-foot, gumdrop-shaped lander. As more landers touch down, inflatable tunnels connect them, creating a network of living spaces for the brand-new Martians. (That's you!)

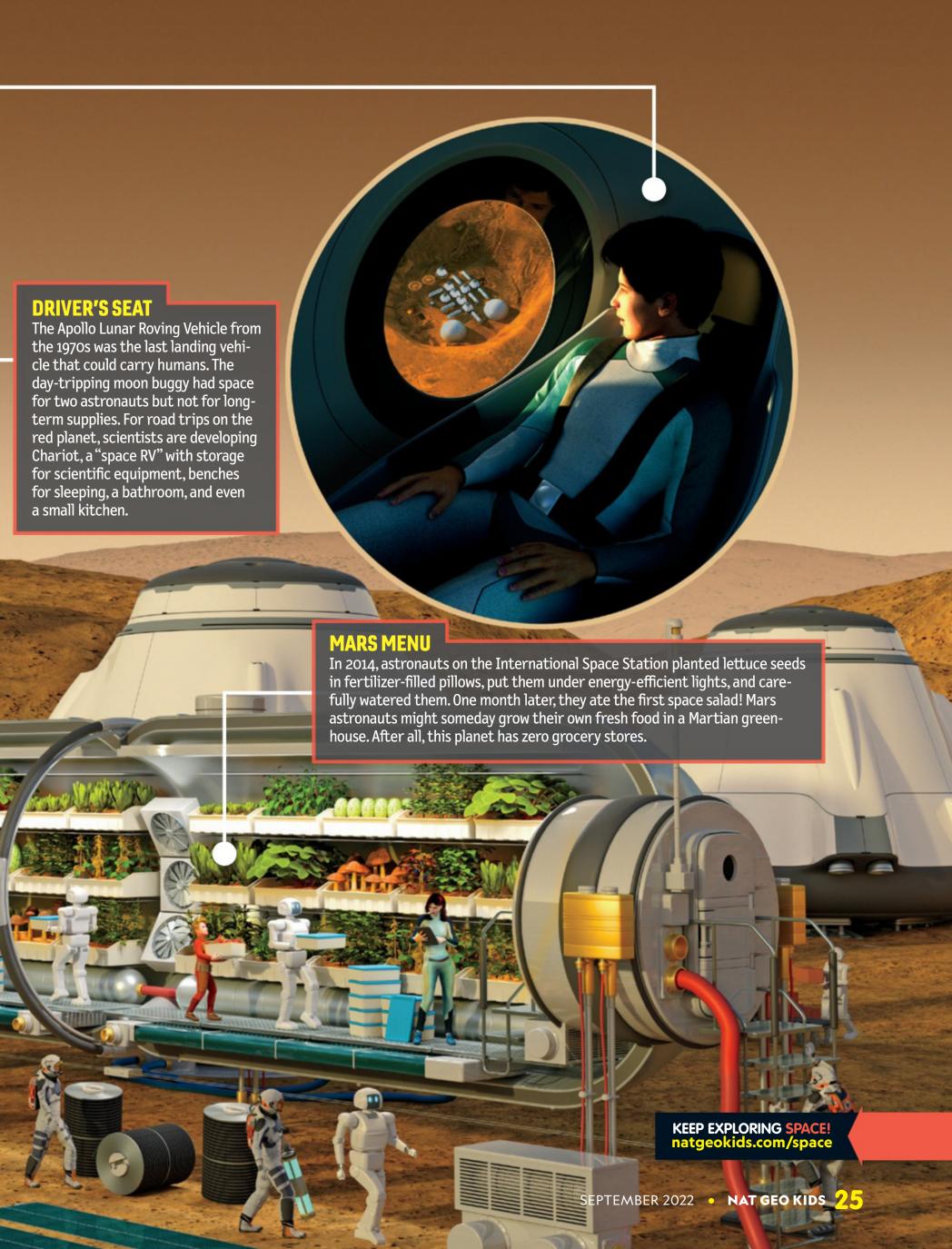


WATER WISE

Mars is drier than Earth's driest desert. So the machines in your space base will be designed to conserve every drop of water—even in toilets! In one invention, water for flushing later goes to the sink for handwashing. If that sounds gross, don't worry: The water is filtered through a system that makes it clean enough to drink.

SOLAR POWER

You'll have to power everything, from your computers to the heaters that will keep you warm during Mars's minus 100°F nights. Earthlings often burn fuel like coal, oil, and natural gas for energy. But on Mars, solar panels will likely power your entire space base.



FROM THE PAGES



THE FORBIDDEN ISLAND

BY TRUDI TRUEIT

In this excerpt from

Explorer Academy:

The Forbidden Island,

Cruz Coronado and his

classmates are back

at school headquarters.

Their challenge: Investigate
the names carved on the

North Star pyramid for
possible clues to find the
final piece of the cipher.

As they read the walls, the
pyramid begins to glow.

Then Cruz sees his mother's
name appear ...

CRUZ PLACED THREE ICY FINGERS on his mom's name. "Here goes." He gently pushed on the glass, expecting a drawer to pop out. None did. Instead, a tremor shook his boots. A second later, the entire side of the pyramid began sliding up! The triangular pane of glass moved about four feet toward the apex before stopping. A wispy cloud floated through the space in the glass structure.

"My mind is officially blown," whispered Lani. Cruz bent in front of the trapezoidal opening. Sailor edged closer, too.

"Careful, Sailor," warned Emmett. "It's meant for Cruz. If the program thinks an intruder is trying to gain access, it could shut down."

Sailor backed off.

Cruz extended his hand, putting it through the entry. He held his wrist there for a few tense seconds before pulling it out. The reading on his OS band reported no toxins. With one final look at Nyomie, Lani, Emmett, and Sailor, Cruz crept into the North Star pyramid.

At first, he couldn't see much through the haze, but the farther in he went, the clearer the air became. The fog was drifting to the walls of the pyramid, making it hard for anyone to see in. Or out. Was this by design? he wondered.

Crawling toward the center, Cruz saw the floor was imprinted with a large chessboard. Instead of being black and white, however, the squares alternated between frosted and mirrored. Pausing at the rim of the board, Cruz touched one of the frosted squares.

Immediately, a holographic 3D black chip appeared where his finger had been. Black circles began to materialize on every frosted square in the first three horizontal rows.

Likewise, a dozen white chips began popping up on all the opaque squares in the last three

rows. This left two full rows in the middle of the board without any chips. Ah, a game of checkers! Near Cruz's knees, a sentence appeared, as if written by an invisible hand: *Your move*.

When Cruz was four, his mother had taught him to play checkers. Well, she'd *tried* to. Instead of moving the pieces according to the rules, he'd wanted to build a fort, so that's what they'd done. From then on, their version of checkers involved constructing castles, bridges, and towers, which Cruz got to demolish when they were finished.

What should he do here? Play the right way? Or their way? His gut said fort, but if he was wrong ...

Cruz selected one of his black pieces and carefully placed it on top of one of the white ones in his mom's front row. Nothing happened. The two markers sat there. He was beginning to regret his decision when a white piece floated up to settle on his piece. Yes! Cruz placed another black piece on the white one and his mom's program did the same. They'd formed a four-piece tower.

They made three more similar towers, positioning them to serve as the corners of the fort. Between these, they built four small towers, each two pieces tall. They were all out of checkers. Normally, they'd break out another box, but there wasn't one here. Instead, a new message was being scrawled near Cruz's knees: Finish the game.

Did she mean the way they'd done it when he was little?

Cruz stared at the board, the minutes ticking by. He knew he needed to make a decision, but what if it was the wrong one?

Cruz took a deep breath. With one swipe of his hand, he toppled the fortress. The black and white chips scattered across the board.

The Explorer Academy students are reaching the end of their first year aboard the ship Orion. Now 13-year-old Cruz is scrambling to complete the last piece of a cipher and recover his mother's world-changing formula. But Nebula agents are on his tail. Will Cruz solve the puzzle in time?

PLAY!

CRACK THE CODE!

Throughout the seven books in the Explorer Academy series, Cruz must use a cipher to solve mysterious messages. Try it yourself! Go to

ExplorerAcademy.com

to find the cipher that will solve the message below.

ANSWER ON PAGE 35

0

6

6 6

9

0

0 6

6

HINT

Solve the puzzle from top to bottom.

6







ExplorerAcademy.com



school instead of you! **ANSWERS ON PAGE 35**

maybe they should go to

Match the state to its capital city.

What were immigrants served as part of their first American meal after arriving to Ellis Island, in New York?

D. macaroni and cheese

A. ice cream

B. hot dogs

Bil

R

e C

C. hamburgers

A. West Virginia 1. Trenton **B.** Montana 2. Helena C. New Jersey 3. Charleston **D.** South Carolina 4. Columbia

Ma

iou

WILD PRAIRIE ROSE

alla

UNITED STATES
EDITION

Cedar

Las

On nights with a full moon, what sometimes appears over

Grand Junction

A. moonbows

B. werewolves

C. the aurora borealis

where it's found.

28 NAT GEO KIDS

Kentucky's Cumberland Falls?

D. reindeer

Match the state to its official flower.

A. Texas 1. red clover

B. North Dakota 2. wild prairie rose

3. magnolia **C.** Mississippi **D.** Vermont 4. bluebonnet

What's the shape of one mound built by prehistoric people in Ohio?

A. a dog chasing a cat

B. a snake swallowing an egg

C. an eagle soaring through the sky

D. an alligator eating a shark

Match the state to its official sport.

A. Maryland 1. stock-car racing

B. Delaware 2. jousting

C. New Hampshire 3. skiing

D. North Carolina 4. bicycling Match the invention to the state where it was invented.

A. Kool-Aid 1. Minnesota **B.** Rollerblades 2. Tennessee **C.** Ferris wheel 3. Nebraska 4. Pennsylvania **D.** cotton candy

Match the state with its nickname.

A. Oklahoma

B. Nevada

Match the national park to the state

A. Zion National Park 1. Arkansas

B. Crater Lake National Park 2. Alaska

DENALI NATIONAL PARK

C. Hot Springs National Park 3. Oregon C. Wisconsin

D. Denali National Park 4. Utah D. Connecticut 4. the Silver State

Saltillo* Monterrey

Chihuahi

1. the Badger State

2. the Sooner State

3. the Constitution State



ROADRUNNI

Before the pandemic, how many passengers flew through the world's busiest airport, located in Atlanta, Georgia, each year?

A. 1 million

C. 100 million

B. 10 million

D. 1 billion



In Idaho, there's a hotel shaped like which animal?

A. elephant

C. beagle

B. flamingo **D.** bear



ankato

Match the state to the year in which it became part of the United States.

A. Maine **1.** 1788 **B.** Louisiana **2.** 1812 **C.** Arizona **3.** 1820 **D.** Virginia 4.1890 E. Wyoming **5.** 1912

Match these famous people to the state where they were born. 1. Alabama

A. Wilbur Wright **B.** Serena Williams

2. Massachusetts

C. Benjamin Franklin

3. Michigan

D. Helen Keller

4. Indiana



The Tribune Building in Chicago, Illinois, does not contain rocks from which source?

- A. the Great Wall of China
- **B.** the Great Pyramid of Khufu in Egypt
- C. the Colosseum in Italy
- D. Mount Everest in Asia





an underground museum in Kansas?

A. coal

B. salt

D. worms

Washington National Cathedral in Washington, D.C.—a federal district that serves as the U.S.

capital—includes a gargoyle of which character?

A. Superman

C. Darth Vader

B. Snoopy

D. Peppa Pig



pronto

burgh

Green

Ashevi

mpa

rasota

Match the state to its official bird.

A. New Mexico

1. nene

B. Florida

2. mockingbird

C. Iowa

3. greater roadrunner

D. Hawaii

4. eastern goldfinch



Match the landmark to the state where it's found.

A. Mount Rushmore

1. California

B. Golden Gate Bridge

2. Washington 3. Missouri

C. Space Needle **D.** Gateway Arch 4. South



Dakota



How long would it take to drive across Rhode Island, the smallest U.S. state?

A. 10 minutes

C. 3.5 hours

B. 1 hour

D. 8 hours



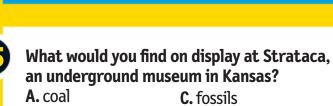
Who first found a rare 66-million-year-old **Torosaurus** in Colorado?

A. a father and son B. a team of

archaeologists

C. a Girl Scout troop

D. a construction

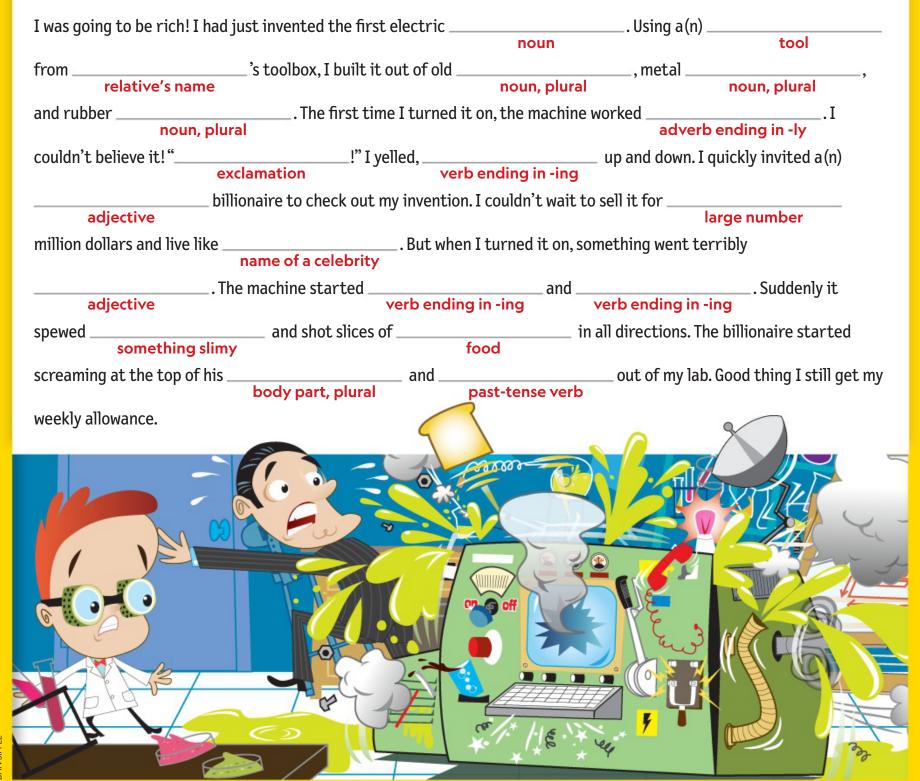






FUNNY FILLE





If animals used social r would they say? Follow anteater's day as it up would they say? Follow this silky anteater's day as it updates its feed.



SILKY ANTEATER

SCREEN NAME: AntsBeware

LIVES IN: Forests from southern Mexico to South America

FRIENDS >



BY ALLYSON SHAW



HARPY EAGLE FeatherCrown



OCELOT TreeCat



GREEN ANACONDA **BigSnake**

7 p.m.



#WhoWoreItBetter: me or the fluffy seed pods of the kapok tree?



You know I'm bad at this game—it's why I can't ever find you!



Great camo, **@AntsBeware**—gotta stay hidden from **@FeatherCrown**. #ThatBirdIsTooBig #6FootWingspan





only *look* for prey—I also smell and feel their body heat.





I know @BigSnake spends most of his time in the water ... I wish he'd stay there forever.

10 p.m.



Cute alert! My mate just picked up our baby from its tree-hole nest.



Non-cute alert: Pretty soon you'll puke up some half-digested insects for its dinner. 🤬



You both raise your baby? Mama anacondas sometimes eat the dads.



Scary! My partner and I are bonded for life. We even "kiss" by rubbing our bills.



Mates are overrated. I raised my kitten just fine on my own.



6 a.m.



AntsBeware

I'll give a prize to whoever guesses how many ants I slurped up tonight.



One really big ant? I only swallow one meal a month: a caiman, tapir... or ocelot.

Don't forget I'm a predator, too. **@AntsBeware**, I'll guess "a few." That's how many critters I eat a night.



You're both way off try 8,000!



My raised head feathers = I'm shocked! But what was the prize?



What else? Ants! 🐂

WHATINITHE WORLD

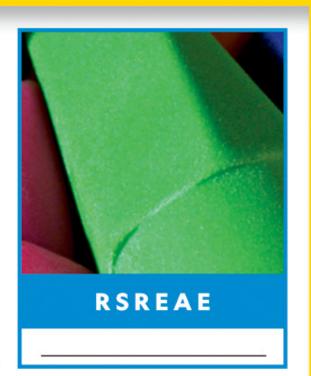
SCHOOL DAZE

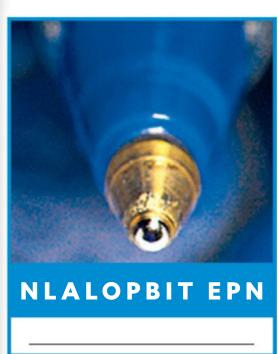
These photographs show close-up views of things at school. Unscramble the letters to identify what's in each picture.

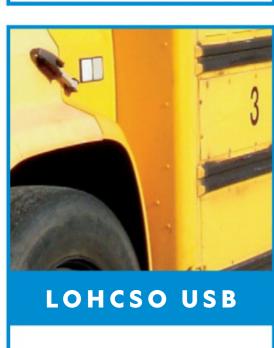
ANSWERS ON PAGE 35



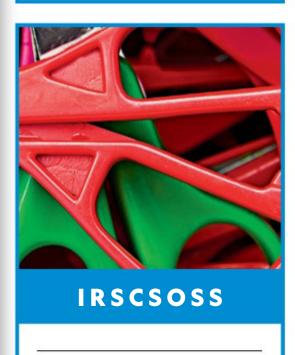




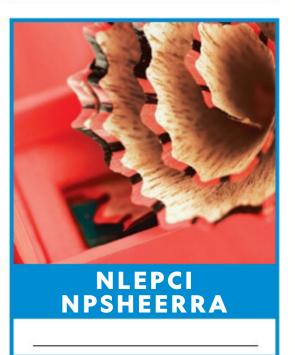






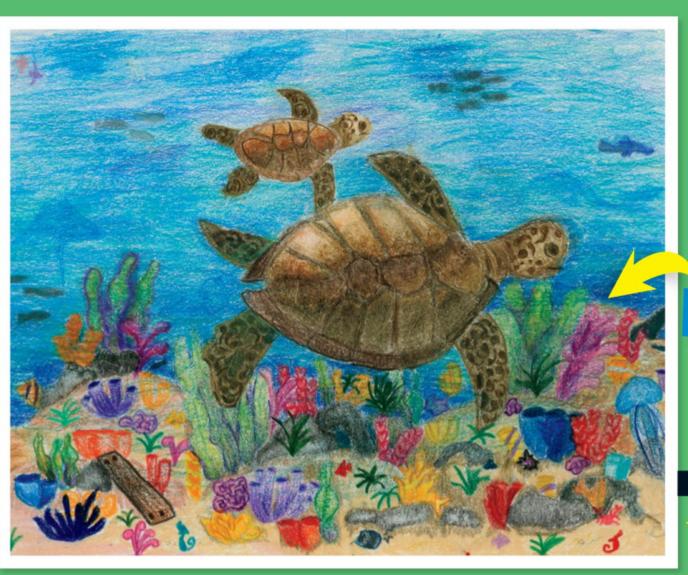






OCEAN ANIMAL

For the 2022 Almanac Challenge, Nat Geo Kids readers showed off their favorite sea creatures. Ready to dive in?



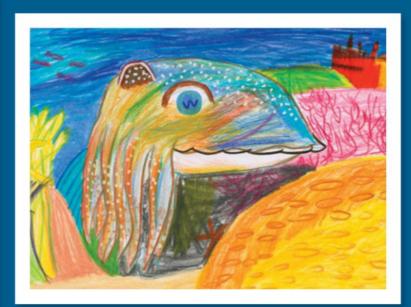
Take a look at the winning entry and some of the runnersup from the **Awesome** Ocean Challenge.

THE WINNER!

Go online to see more winners and runners-up from the then get the details about this year's contest.

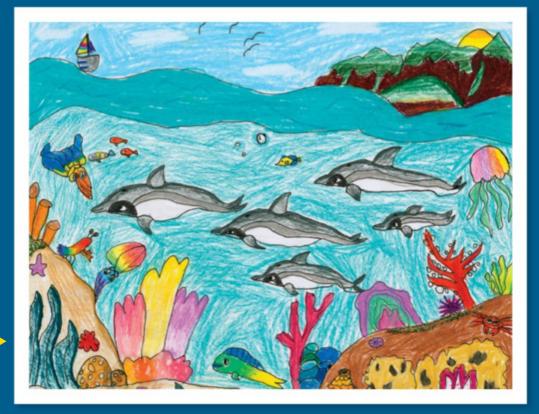
natgeokids.com/almanac

Sea TurtlesAditi S., 11
Belmont, California



Cuttlefish Amelie F., 12 Berkeley, California

Spinner Dolphins
Anabelle R., 10
Overland Park, Kansas

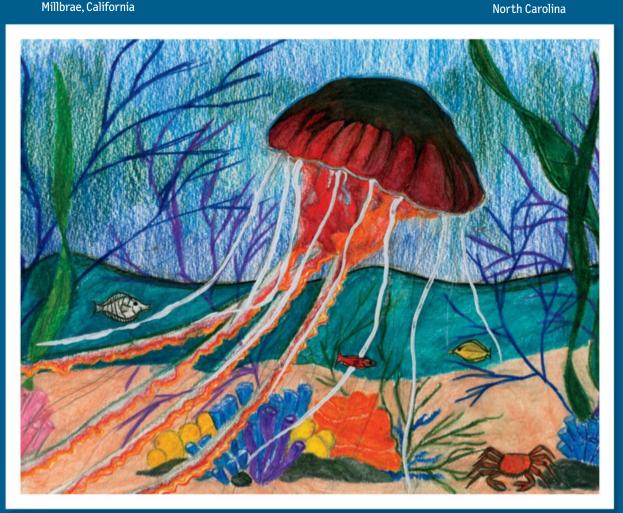


Draw your favorite thing in nature.

Send us your original drawings: Nat Geo Kids— Nature Art Zone P.O. Box 98002 Washington, DC 20090-8002 Include your name, address, phone number, date of birth, a title for your drawing, a statement that it is your own work, and the name of your parent or guardian. Your parent or guardian must sign a release for publication if your illustration is selected. Submissions become the property of National Geographic Partners, and all rights thereto are transferred to National Geographic Partners. Submissions cannot be acknowledged or returned. Selection will be at the discretion of *Nat Geo Kids*.



✓ **Jellyfish**Shana W., 12 Millbrae, California



Coral Sharadha P., 10 Winston-Salem,

ALMANAC CHALLENGE

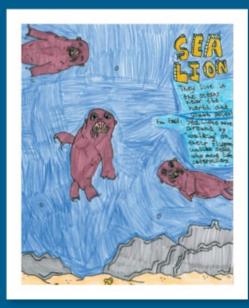
Me as a Tree

Send us what you'd be like as a tree. Explore the arboreal world from roots to canopy to unearth the various features of different species, then imagine the kind of tree you'd want to be. Tell us about your creation by writing a mini autobiography and drawing a tree selfie. Your art could be featured in the Nat Geo Kids Almanac 2024.

Grab a parent and go online for the official rules and submission form.

natgeokids.com/almanac

Sea Lions Blake H., 12 Saginaw, Michigan

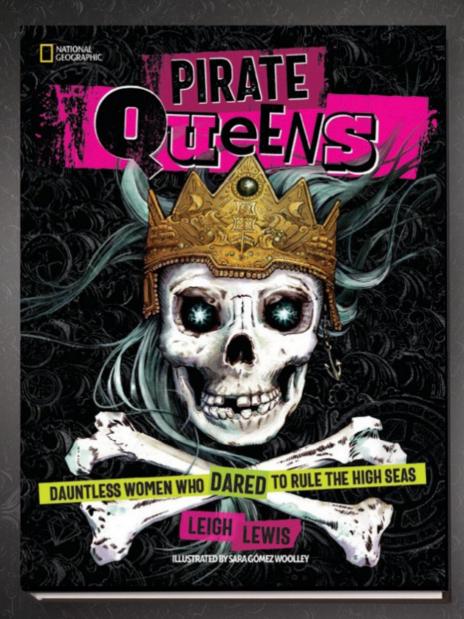


"What in the World?" (page 33): Top row: ruler, water fountain, eraser. Middle row: ballpoint pen, school bus, combination lock. Bottom row: scissors, backpack, pencil sharpener.

"Crack the Code" (page 27): Pyramids hide many secrets.

Answers

Prepare Your Ship To Be Boarded!



Of marauding men at sea, many books have told the tale. But of all the pirates in all the world, the most

FEARSOME were FEMALE.



