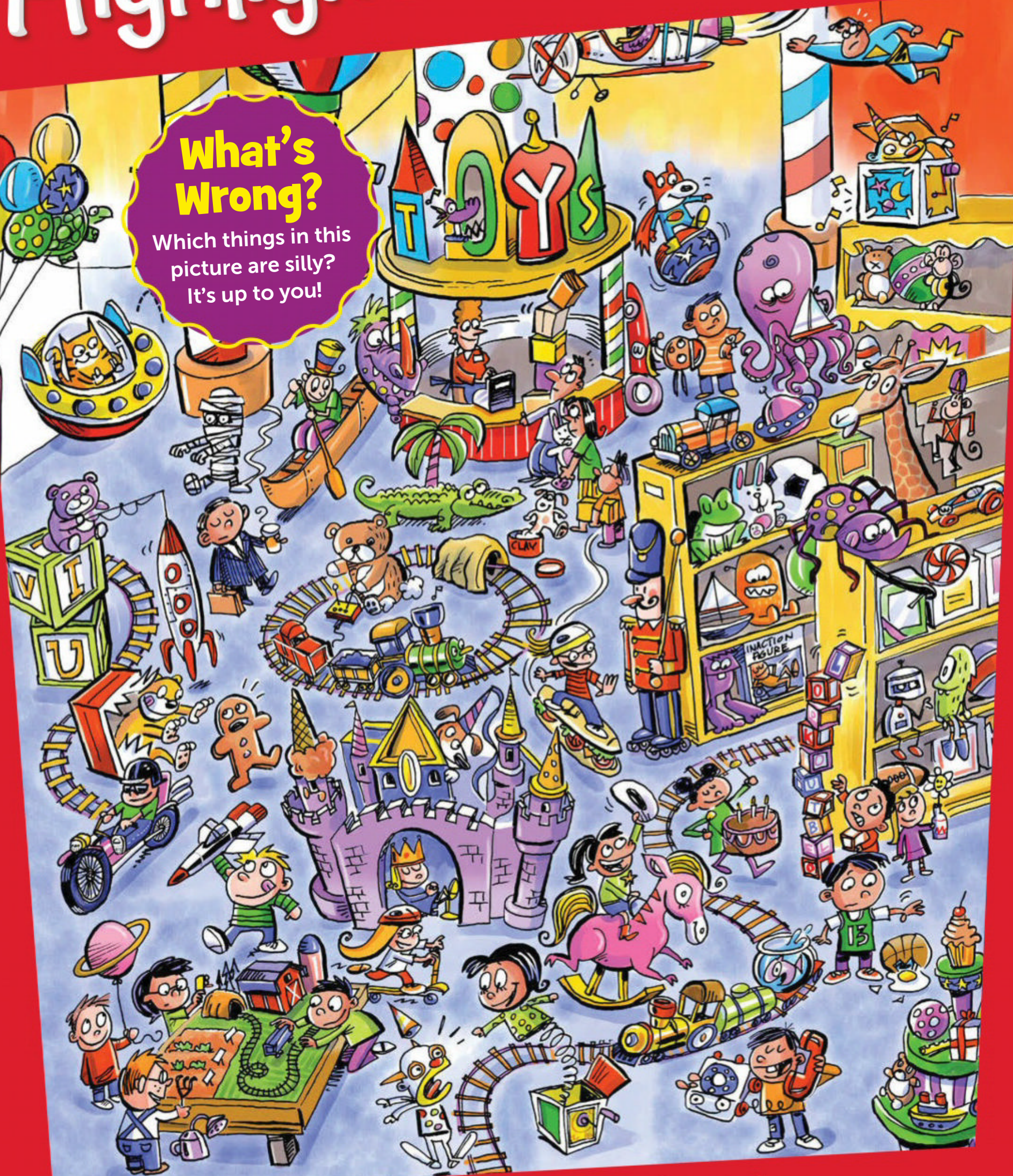


Highlights

What's Wrong?

**Which things in this picture are silly?
It's up to you!**



Visit our website! *Highlightskids.com*

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MAY 2019
Highlights.com

Highlights

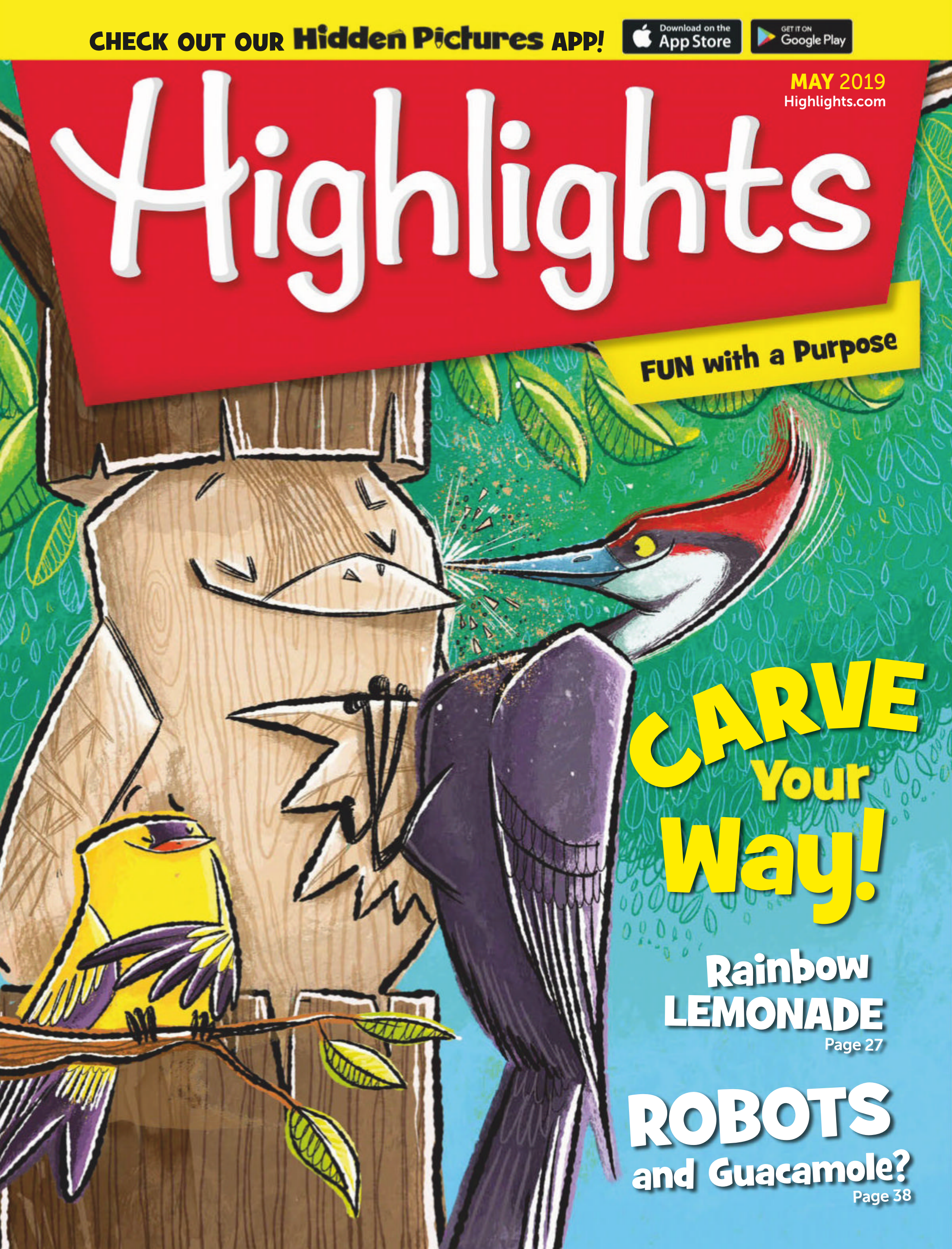
FUN with a Purpose

CARVE
Your
Way!

**Rainbow
LEMONADE**

Page 27

ROBOTS
and Guacamole?
Page 38



Fun This Month

Bird Words



Each of these combos makes a word. Can you solve them?



Answers on page 38.

**May 7
is National
Teacher
Day!**

A+ for Teachers!

Show your appreciation to a favorite teacher by making a report card. Give A's to your teacher for teaching you new things, encouraging you, being patient, making you laugh, or anything else you like about that teacher. Decorate the report card with stickers or drawings.



3 Ways to Play with a Pile of Pennies

By Rachel Schmoyer



1. Put a plastic bowl on the floor. Stand up and try to drop each penny into the bowl. How many landed inside? Try dropping them from over your head.
2. Place a penny under a piece of paper and rub the paper with the side of a crayon. Can you do it well enough to see Abraham Lincoln's profile? Draw a hat and a body for him.
3. Hold a handful of pennies. Guess whether there will be more heads or tails when you drop them. Then let go. Were you right? How many times can you guess correctly out of 10 tries?

Find the Pictures

Can you find each of these 10 pictures at another place in this magazine?



Tongue Twister

Britt brought both bears.



Mystery Photo

Answer on page 38.



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Dear Reader

By Christine French Cully
Editor in Chief



Curious? Just Ask!

Have you heard the old expression
“Curiosity killed the cat”? Sometimes
people repeat this saying to stop others
from asking a lot of questions.

At *Highlights*, we prefer the saying “Curiosity is our
superpower.” That’s what climate scientist Clara Ma says in
“What Makes a Good Scientist?” (pages 16–17). Clara believes
that asking questions is the key to learning about everything.
Even as a 12-year-old, Clara believed this—and convinced
NASA to name one of its Mars-roving robots Curiosity.

The superpower of curiosity is in us all. When we use it, we
become our best self. So go ahead—raise your hand in class if
you have a question. Plan a family trip to a museum,
a park, or an event. Talk with someone you know
who has an interesting job. Read a book about
a topic that excites you. Invite your parents or
grandparents to share stories about their lives
so you can learn more about them as people.
Send us a science question—or a question
about anything that’s on your mind.

Curiosity is one superpower that can
lead to a lot of other super things. As Clara
says: “All we have to do is ask.”

Your friend,

Christine

Write to me!

Christine@Highlights.com



This magazine of wholesome fun

is dedicated to helping children grow in basic **skills** and **knowledge**,
in **creativity**, in ability to **think** and **reason**, in
sensitivity to others, in high **ideals** and worthy ways of living—for
children are the world’s most important people.

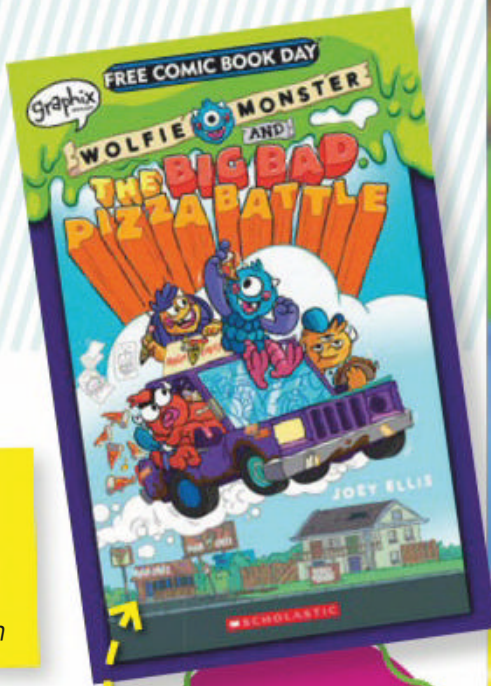
May

VOLUME 74 • NUMBER 5 • ISSUE NO. 811

Dear Highlights,

My problem is at recess me and my friends don't know what to play. What should I do?

—Haley, Oregon



READ!
May 4 is Free
Comic Book
Day.

We hope this idea helps, Haley. Have fun at recess!

1 Together, make a list of all the activities and games you like.

2 Write the ideas on slips of paper. Put them in a bag.

3 Every day at recess, pick an idea out of the bag. Then play!

32



8



25



6 Spring Fever

Time to lose the warm coat.

7 The Timbertoes

Mabel and Tommy make a funny scarecrow.

8 The View from Left Field

Will Kylie be ready if the ball is hit to her?

10 Goofus and Gallant

Think positive!

11 Gallant Challenge

Sophia Spencer almost let bullies ruin her dream.

12 My Sci

Find out how mirrors work.

14 Hidden Pictures

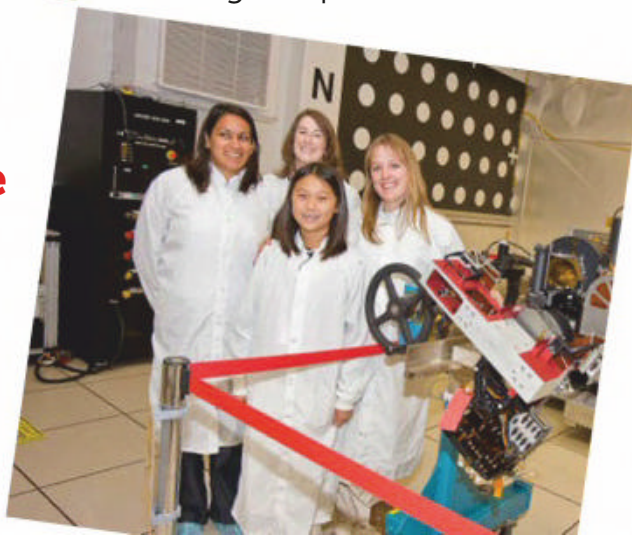
Come one, come all!

15 Jokes

How dogs count to ten.

16 What Makes a Good Scientist?

Clara Ma's answer: the same qualities that make a good person.



18 Crafts

Create an adventure pouch to take on your next hike.

20 Check . . . and Double Check

Animal bike race!

21 Paws and Think

Attending a Memorial Day service.

22 Cupcake Conundrum

Maddy thought she'd ordered a dozen for the party.



No Stinger

Believe it or not, this creature isn't a bee or a wasp. It's a flower fly!

25 Bee? Wasp? Flower Fly!

Yellow and black stripes? Yes. Stinger? Nope!

26 Your Favorite Family Foods

Pizza, lefse, pho, and more.

27 Who Is Your Hero?

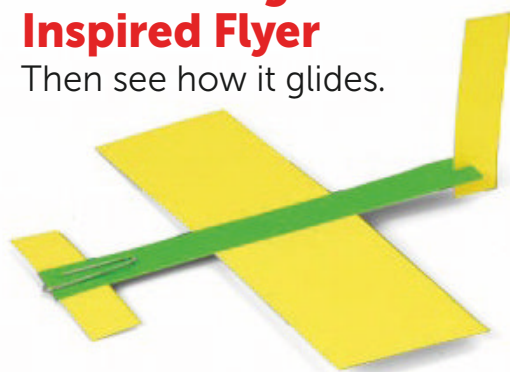
We want to know!

28 How the Wright Brothers Took Off

It was no easy task.

30 Make a Wright-Inspired Flyer

Then see how it glides.



32 The Golden Gosling

Lon hopes things are finally going his way.

34 Your Own Pages

See more work from creative kids like Courtney.

36 Bubbling Bath Fizzies

A Mother's Day treat—for Mom's feet!

38 Riddles

Why can't you fool a snake?

39 BrainPlay

Baking contest or juggling contest: your choice.



Courtney Kalmanowicz

Age 10 • Pennsylvania

40 Ask Arizona

We don't always know what's going on in other people's lives.

42 Dear Highlights

A thrill-seeking guinea pig.

43 Picture Puzzler

Crack the code at the flower show.

Spring Fever

By Jaclyn S. Miller
Art by Pablo Pino

Coats of all types
Protect from the cold.
They warm like the sun
With pockets and folds.

But my coat is different,
Though fuzzy and soft.
The trouble I face?
I can't take it off!

With no zipper to pull,
I'm toasting like bread.
If only I could
Pull it over my head.

Winter has passed
And all spring I still wait,
Sweating under my coat
'Cause the shearer is late!

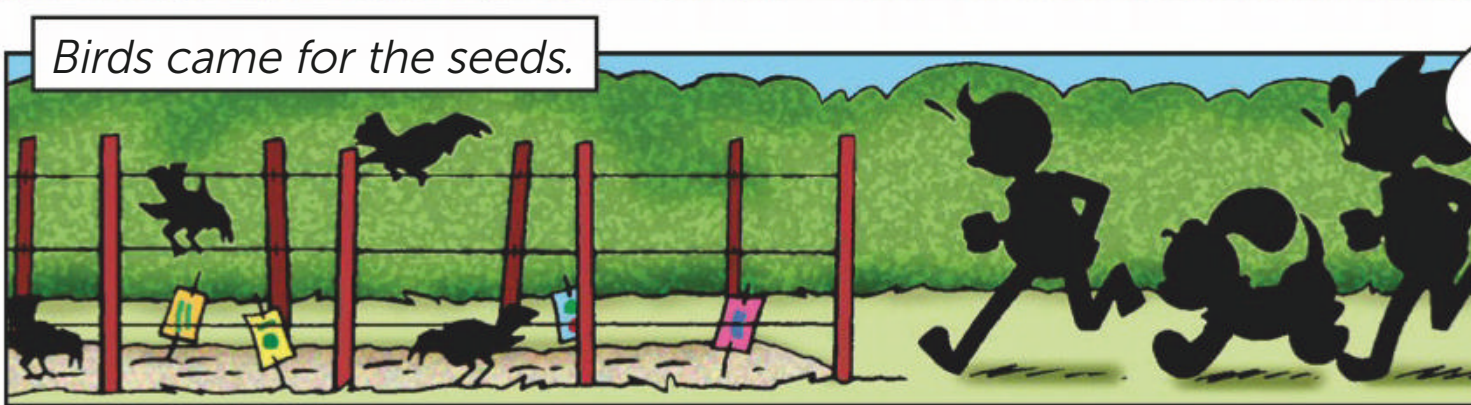
The Timbertoes

Mabel planted a row of beans.
Tommy planted carrots.

By Rich Wallace
Art by Ron Zalme



Birds came for the seeds.



We need a
scarecrow!



They started with a broom handle.



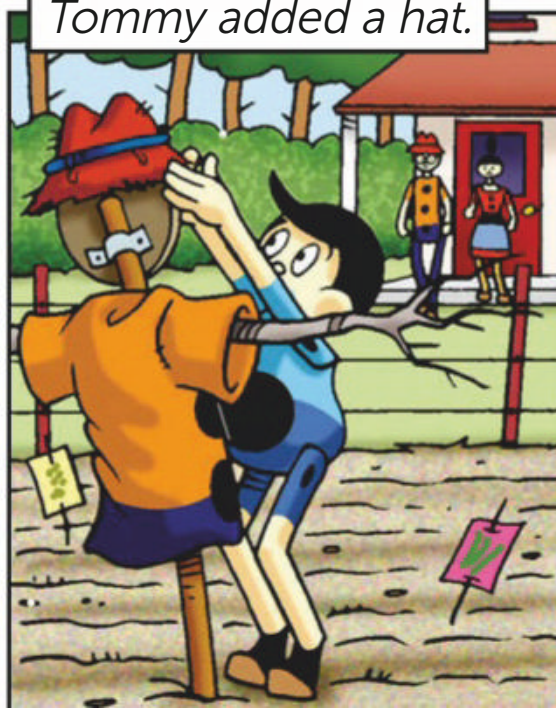
Branches made good arms.



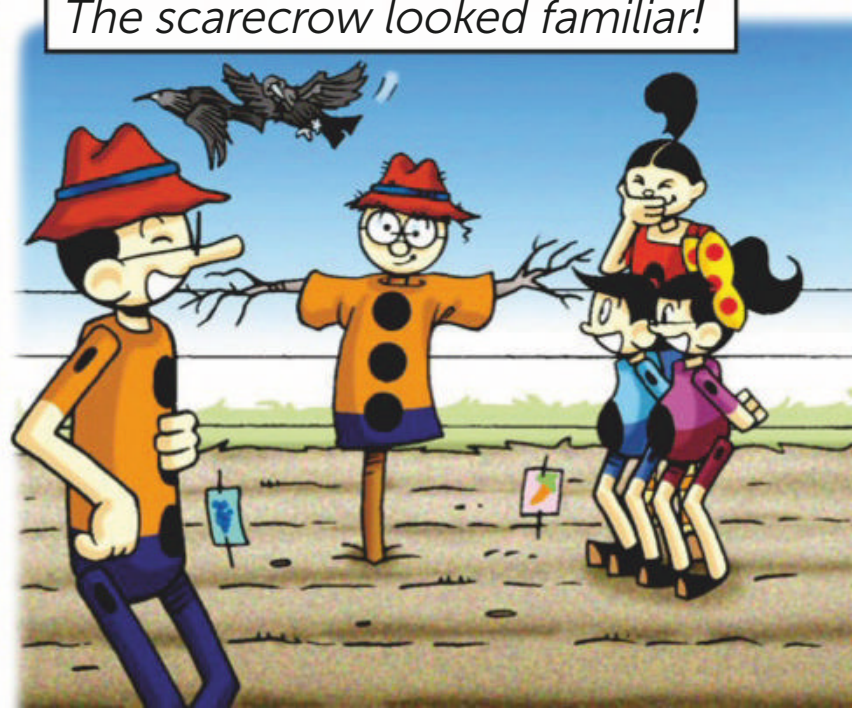
Mabel painted a face.



Tommy added a hat.



The scarecrow looked familiar!



The View from Left Field

By Kelley Murphy
Art by Jeffrey Ebbeler



WHOOOOOSH!

“Grace, you’re on second base. Meghan, you’re on third.” Kylie’s softball coach called out each Comet’s position for today’s game. Their star pitcher was out of town on a family trip, so someone else would be pitching.

It has to be me, thought Kylie. I’ve practiced every day this week! She crossed her fingers as their coach continued.

“Catcher—Samantha.
Pitcher—Jasmine.”

Kylie slumped onto the bench. *There goes my chance. Please, please don’t say left field!*

“Left field—Kylie.”

Kylie sighed. She was always in left field.

“A few of you are playing new positions today. Just give it your best,” said Coach.

I’m not playing a new position, Kylie thought as she began the long walk to left field, staring at the dirt on her cleats.

Left field was so far from the pitcher’s mound that the other players looked like action figures. She could barely hear the crack of the bat as each of the Gators swung. The ball would bounce to the infield or fly high and drop into the pitcher’s glove. It would go anywhere except left field.

There’s just no action out here!

There’s just no action out here! Kylie yawned.

Something on the ground caught her eye—a perfectly round dandelion, with seeds waiting to be blown into the wind. Snapping the stem, she held the tiny globe of seeds near her mouth and blew. A cloud of seeds drifted into the air.

WHOOOOOSH!

Kylie looked up. Courtney, the Gators’ best hitter, had sent the softball sailing through the air above. It landed in fair territory

then bounced toward the foul line. Kylie scrambled after the ball, farther and farther into the outfield. She finally grabbed it and threw it to third. By then, two of the Gators had already scored.

"Timeout!" called Coach and walked out to left field.

"What happened?" Coach asked Kylie.

"I guess I got distracted," Kylie admitted.

"Try to pay attention. Left field is important."

Kylie nodded and the umpire signaled the timeout was up.

This time, Kylie focused.

Finally, it was the last inning. One more out, and the game would be over. The score was 7–5, and the Comets were winning. But the Gators were at bat. Courtney was up again.

"Everybody, back up!" called Coach. She wanted the Comets to be ready for Courtney's hit.

That means me! Kylie backed up and held her glove out.

Jasmine wound up the pitch, snapped her wrist, and let the

ball fly. Courtney swung harder than Kylie had ever seen her swing before.

SMACK!

The ball shot into the air above Jasmine and kept climbing into the sky. Meghan jumped to catch it, but it flew high above her. It was heading for left field!

Kylie ran forward, watching every turn of the ball. *Get ready for the drop*, she thought.

The ball rose toward the sky and disappeared into the sun's glow. Where was it? And then, five feet to her left, it dropped. As Kylie scooped up the ball, a Gator safely crossed home plate. The score was now 7–6.

Kylie threw as hard as her arm would let her.


Courtney was racing past third. "Kylie! Throw it home!" shouted Meghan. Kylie threw the ball as hard as her arm would let her.

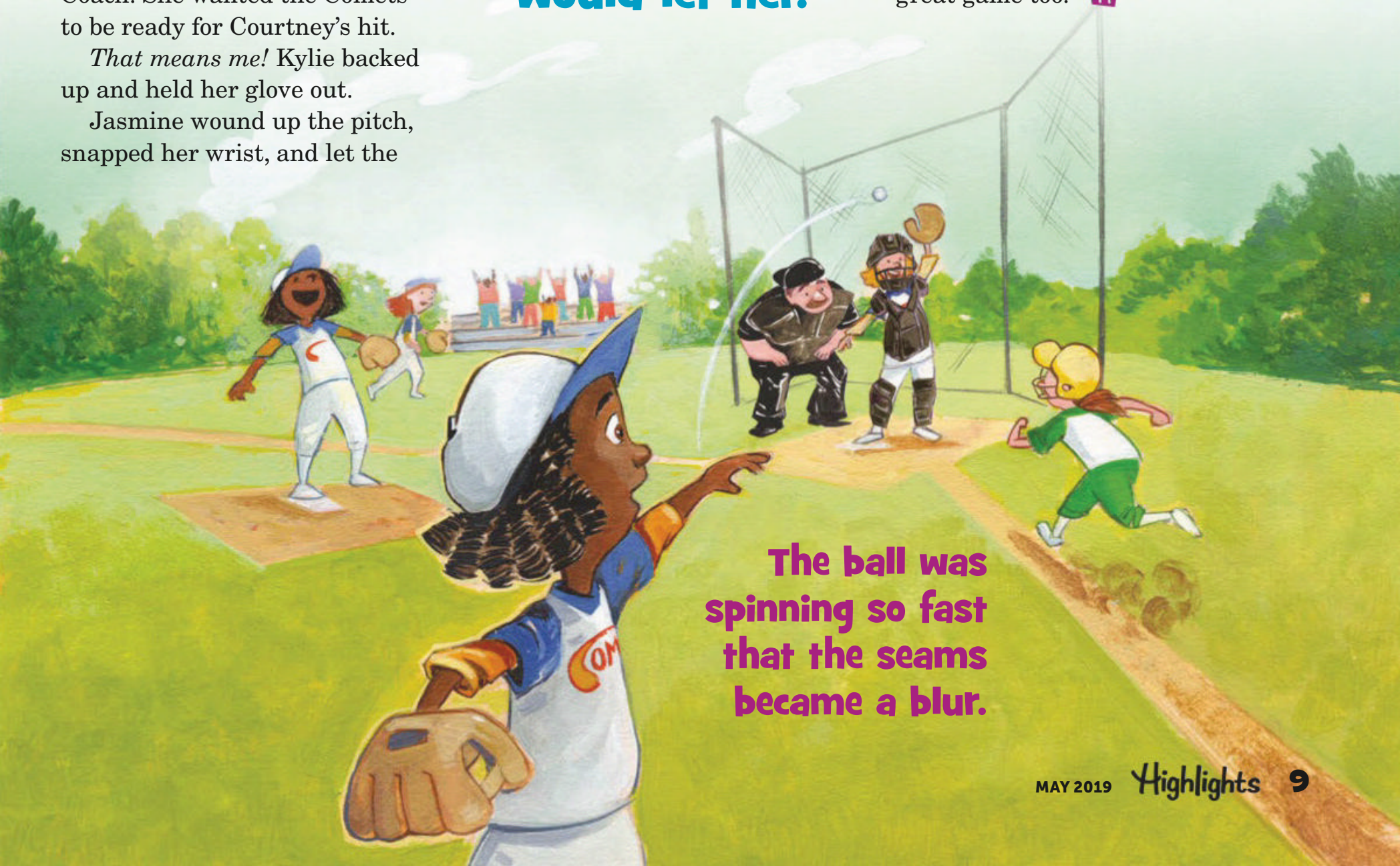
The ball was spinning so fast that the seams became a blur. Samantha stretched out her glove, and everyone could hear the ball's smack. Courtney slid toward the plate, and Samantha dusted the plate with her glove. Did she tag her? Kylie stopped in her tracks as she heard the wonderful word:

"OUT!"

The Comets had won! And Kylie had helped make it happen.

"Great job!" said Jasmine and Samantha as they high-fived Kylie.

"Thanks," she said, grinning. "You played a great game too." 



The ball was spinning so fast that the seams became a blur.

Goofus and Gallant

There's some of Goofus and Gallant in us all.
When the Gallant shines through, we show our best self.



"You'll have to move. I always sit there," says Goofus.



Gallant sits where there's an open seat.



"I just know I'm going to forget everything during the test," says Goofus.



"I'm prepared. I can do this," says Gallant.

YOUR Goofus and Gallant Moments

"I felt like Goofus

when I woke up my little sister after she had just fallen asleep."

Moxie, Age 6, Oregon

"I felt like Gallant

when I cleaned up a spill on the floor."

Jonathan, Age 8, Pennsylvania

Tell us when you've felt like Goofus or Gallant! Visit HighlightsKids.com or write to

Highlights

Goofus and Gallant Moments
803 Church Street
Honesdale, PA 18431



Hearing from people who share her interest gave Sophia a confidence boost.

Bugged!

Sophia Spencer is buggy for bugs. She thinks insects are fascinating and loves to learn all about them. She hopes to become an entomologist someday and study bugs for a living.

Unfortunately, she was bullied so much about her interest that she almost let go of her dreams. Kids at school teased her, called her weird, and even squashed bugs she showed them. She felt sad and began to wonder if it was weird to like insects.

Her mom wrote to an entomologists' organization

to ask if someone there could encourage Sophia. *Hundreds* of professional bug lovers replied with kind, supportive messages!

Their responses showed Sophia that there are many people who share her interest. "It felt good to have so many people support me, and it was cool to see other girls and grown-ups studying bugs," she said. "It made me feel like I could do it too. I definitely want to study bugs when I grow up."

Finding Fellow Fans

Do you have an interest that others tease you about? How do you find support when others try to squash your interest? Tell us!

Bugged No More!



If you get bugged about an interest you have, we'd like to know how you deal with it. Tell us what works for you. Include your name, age, and address. Send it to

Highlights

Bugged No More!
803 Church Street
Honesdale, PA 18431

In a future issue, we may publish a few of the responses we receive.

Rock Hoppers

By Minnie C. Gallman

The viscacha (vih-SKAH-chuh) is a South American mammal that looks like a fluffy, squirrel-tailed rabbit.

Living in groups high up in the mountains, where food and water are too scarce for most animals, mountain viscachas get all the moisture they need from their diet of grasses, mosses, and lichens.

By day, the viscacha eats when it isn't sunning itself for warmth. At night, it may take shelter in deep rock crevices, where it's safe from its predator, the Andean mountain cat.



Fleshy pads on the bottom of its feet help it cling to steep or even vertical rock faces without falling.



If mirrors are glass, why can't we see through them?

Nora Mabry Age 11 • Massachusetts

When light hits clear glass, most of the light passes all the way through. But a typical household mirror isn't *just* clear glass or plastic. It has a special coating on the back of it. That coating is usually a thin layer of silver or aluminum that's shiny and smooth. It bounces light back to you in much the same way that a butter knife, polished plate, or other smooth, shiny surface does.

As you look in a mirror, a lot is happening! Light in the environment around you scatters off your face, goes through the glass, hits the metallic layer behind it, reflects off it, comes back out the front of the glass, and goes to your eyes.

It's a good thing that happens so fast. Otherwise, imagine how long dressing-room lines would be!

Large ears help it hear approaching predators and the calls made by members of its group.

With its long, strong hind legs, it can run and jump quickly from rock to rock.

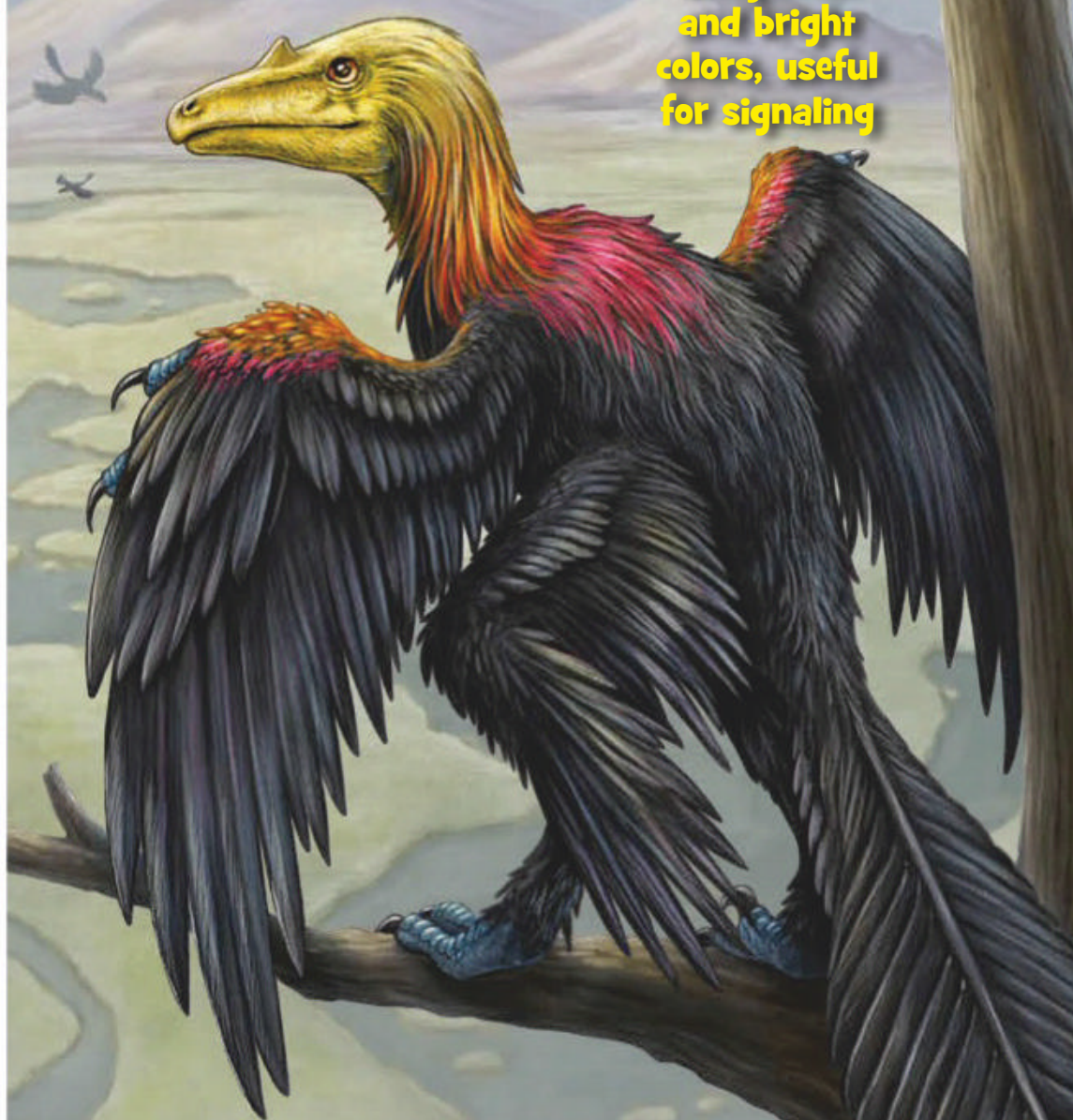
Mirror, Mirror on the Spoon

Look at yourself in the bowl of a shiny spoon, then look at yourself in the back of the spoon.

Like a fun-house mirror, the curve of the spoon can make things look larger, smaller, or distorted. That's because of the way rays of light are bent by the curved surface.

Narrow, closely packed teeth in front, likely used to grab prey

Bony crest and bright colors, useful for signaling



Caihong

By Dougal Dixon

Art by Robert Squier

TSI-HONG

"rainbow" (in Mandarin Chinese)

Scientists found a nearly complete fossilized skeleton of *Caihong*, a small, feathered, birdlike dinosaur. Using a powerful microscope to look at the fossilized feathers, researchers found tiny structures similar to those that make modern-day hummingbird feathers iridescent. So the head, neck, and chest feathers of *Caihong* may have had bright, shimmering colors too.

WHERE:

China



HOW LONG:

2 feet



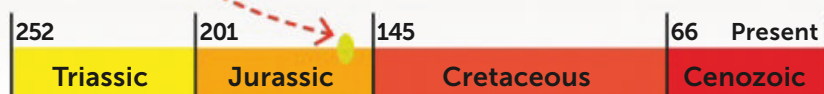
WHAT IT ATE:

Insects and small animals



WHEN:

161 million years ago



Hidden Pictures

Want a
challenge?
Fold back page 15
to hide the
picture clues.

Backyard Carnival

By Kelly Kennedy



In this big picture, find the boomerang, funnel, bell, glove, acorn, crescent moon, slice of pizza, artist's brush, mug, watering can, flashlight, comb, book, candle, and bat.

Picture Clues



boomerang



bell



funnel



glove



acorn



crescent
moon



slice of
pizza



artist's
brush



mug



watering
can



flashlight



book



comb



candle



bat

BONUS

Can you also find
the toothbrush,
doughnut, ring,
and magnet?

Answers on HighlightsKids.com.

JOKES

"Knock, knock."

"Who's there?"

"Minnow."

"Minnow who?"

"Not sure, but if
you figure it out,
let minnow!"

Jackson Schroer, Washington

Bill: Do you know how to
make a milkshake?

Joe: No. How do you
make one?

Bill: You let your cow jump
on a trampoline.

Clayton Bouffleur, Wisconsin

A book never written:
What to Take on an Airplane
by Carrie On.

Henry House, Texas



A washing machine was doing
laundry. When the clothes were
clean, the washing machine said
to the dryer, "Get a load of this!"

Madison Hawks, Ohio

Dog #1: Can you count to ten?

Dog #2: Sure! One, two, three,
four, five, six, seven, eight,
ca-nine, ten!

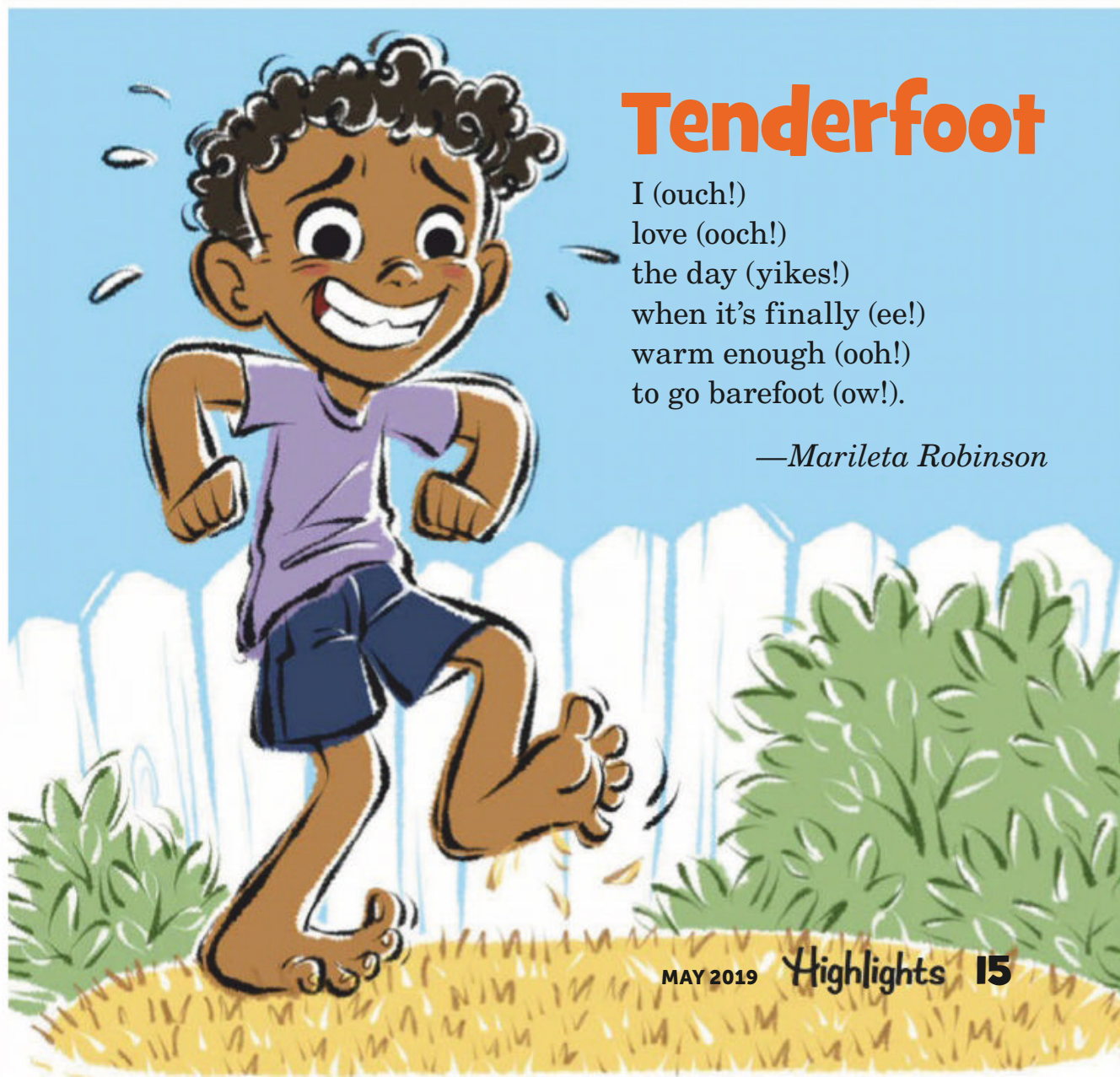
Asaya Paul, Louisiana

Make us laugh!

Send a joke or riddle, along with your
name, age, and address, to

Highlights

803 Church Street
Honesdale, PA 18431



Tenderfoot

I (ouch!)
love (ooch!)
the day (yikes!)
when it's finally (ee!)
warm enough (ooh!)
to go barefoot (ow!).

—Marileta Robinson

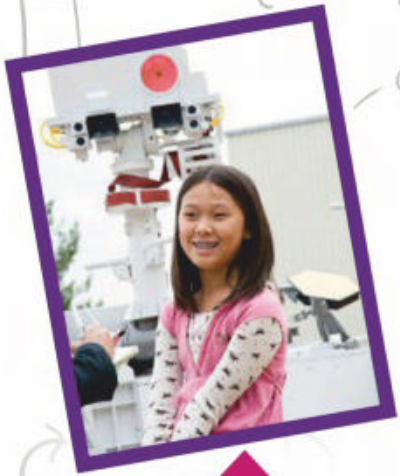
What Makes a Good Scientist?

Sisters Clara (left) and Renny Ma won awards for their science projects.



Curiosity continues to drive scientist Clara Ma.

By Clara Ma



↑
In 2009, 12-year-old Clara Ma of Kansas won an essay contest to name the next robot to explore Mars. Offering the name **Curiosity**, she said: “Curiosity is an everlasting flame that burns in everyone’s mind.” Curiosity (the robot) landed on Mars and began exploring the planet in 2012.

The first science project I ever did was in fifth grade with my partner, Delaney. We looked online together for ideas and came up with an experiment to slide marbles down a ramp covered with different-textured materials. Our project was torn to pieces by our teacher. Our procedure wasn’t thorough. Our hypothesis could’ve used some work. She told us we should consider waiting another year to enter the science fair. I felt so discouraged.

That night, I folded up our poster and started thinking about all of the things I could do differently the next year. I wanted to find a topic I cared about, one that interested me. As a budding pianist, I was curious about how the piano I practiced on for five hours every week could make the sounds that it did. I learned about something called “sympathetic resonance,” a phenomenon that allows strings to vibrate together when played. I built my next project

around this and ended up getting first place at the science fair the following year.

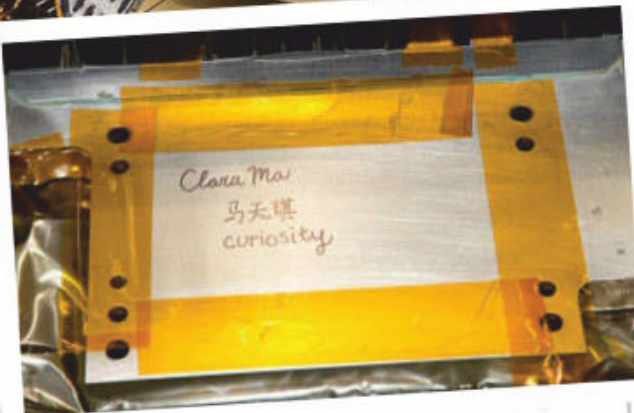
My name is Clara, I am 22 years old, and I am a climate scientist. Today, I study tiny particles called aerosols in Earth’s atmosphere—the layer of gas that surrounds our planet and helps keep it warm.

In the decade since I did my very first science project, I have wondered a lot about what it takes to be a good scientist. To me, what makes a truly good scientist is what makes a good person.

Clara Ma is now a scientist.



Clara met engineers at NASA's Jet Propulsion Laboratory, where the rover Curiosity was built. Below: Clara's signature on the rover.



Patience

A good scientist has patience—patience for others, patience for herself or himself, and patience when things go wrong. A few years ago, I had the opportunity to work on a NASA asteroid-sample retrieval mission called OSIRIS-REx. The spacecraft launched in September 2016, headed to the asteroid Bennu. Late last year, finally, it reached its destination. In four years, OSIRIS-REx will bring a piece of the asteroid back to Earth so that scientists can learn more about it.

Scientific discoveries do not take place overnight, and many are small and gradual.

Missions like the one I worked on often take years to complete.

Success almost never comes quickly or easily.

Chances are, you'll

stumble many times before you find your footing. And that's OK. Learning is messy, and making mistakes is a part of it.

Being Open to Others

A good scientist is open-minded. It can be easy to ignore people you disagree with or to assume the worst about them. But we should be open to ideas that are not what we expected when we set out. We should take the time to consider other people's opinions, even when they conflict with our own.

There is so much we don't know, but we do know some things. We live in a world where knowledge and uncertainty can and do coexist. As scientists, we should have conviction in our work while learning from our errors. As people, we should have both confidence in ourselves and humility as we move through our lives.

Curiosity

Of course, good scientists are driven by curiosity. But curiosity does not have to be limited to science. When we are curious about other people, we can become more compassionate. When we are curious about other perspectives, we can become more understanding.

After all, it costs nothing to be kind to someone—at school, at the grocery store, with your friends, with your family. A kind gesture can make someone's day, even save someone's life. You never know what people are going through unless you take the time to find out.

The story of learning is a long one, and whatever you end up doing—whether or not you choose to become a scientist—you are already a part of that story. You are what keeps it going, and you will be what moves it forward.

“Learning is messy, and making mistakes is a part of it.”

So, in the meantime, ask questions. Ask questions about things that aren't going to be on the test. Ask questions about everything. Ask your friends how they're doing. Ask yourself what makes you feel alive. Above all, make sure to pay attention to the world—and the people—around you.

Curiosity is not and never will be something to be ashamed of. Curiosity is our superpower. But it's also what makes us human. All we have to do is ask.

Crafts

Button Toss

A Game for 2 or More Players

By Angela Shaw

1. Remove or cut off the top of three different-sized cardboard boxes and an egg carton.
2. Paint each box or cover it with cardstock.
3. Glue the boxes together.
4. With a marker, write point values in the egg carton and on paper circles, as shown. Glue the circles in the boxes.

TO PLAY: Each player is given two matching buttons—one for tossing and one for scoring. Players take turns tossing one button at the boxes and placing the other button in the egg carton to mark their score. After each turn, players add their new score to their previous total and move their button to the correct number on the scoreboard. The first player to reach 60 wins.



Collagraph Prints

By Rosanne Verlezza

Collagraphy is a print-making process that uses textured materials.

Tie the pouch to your belt loop and fill it with items from your adventures.



Adventure Pouch

By Rachel K. Redd

1. Draw a pouch shape on **felt**. Make the top edge wider than your fist. Cut it out.
2. Trace the shape on a second piece of felt. Cut it out.
3. Glue the edges of the shapes together with **fabric glue**, leaving the top open. Glue on felt decorations. Let the glue dry.
4. Punch holes near the top of the pouch.
5. Weave **yarn** through the holes. Pull both ends of the yarn tightly to close the pouch.

CRAFT CHALLENGE!
Make maracas using dried beans, plastic bottles, craft sticks, and tape. Share your result on HighlightsKids.com.



Mother's Day Hat Card

By Sheila M. Hausbeck

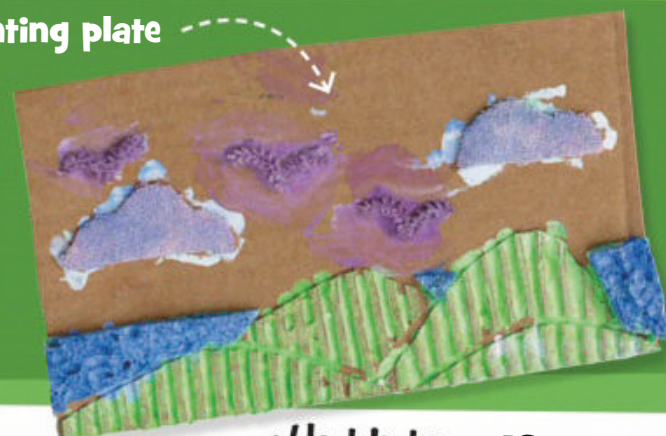
1. From **cardstock**, cut out a large circle and a small rectangular tab.
2. Cut off and discard the rim of a **paper bowl**.
3. Fold the tab in half. Glue it to the bowl and the circle, as shown, to make a hat card.
4. Glue **ribbon** around the edge of the bowl. Add a bow. Write a message inside.



1. Draw a scene on **cardboard**.
2. Glue **textured shapes** (such as bits of sponge, corrugated cardboard, and chenille sticks) onto the scene. Let them dry. This is the printing plate.

3. Use a **sponge** to dab **tempera paint** onto the printing plate.
4. Gently press **paper** onto the printing plate. Lift it off. Let it dry.
5. Repeat steps 3 and 4 to make another print.

Printing plate



Tiny Town Teaser

By Teresa A. DiNicola

Each row and column of houses has house numbers that add up to 20. Can you figure out each house's number?

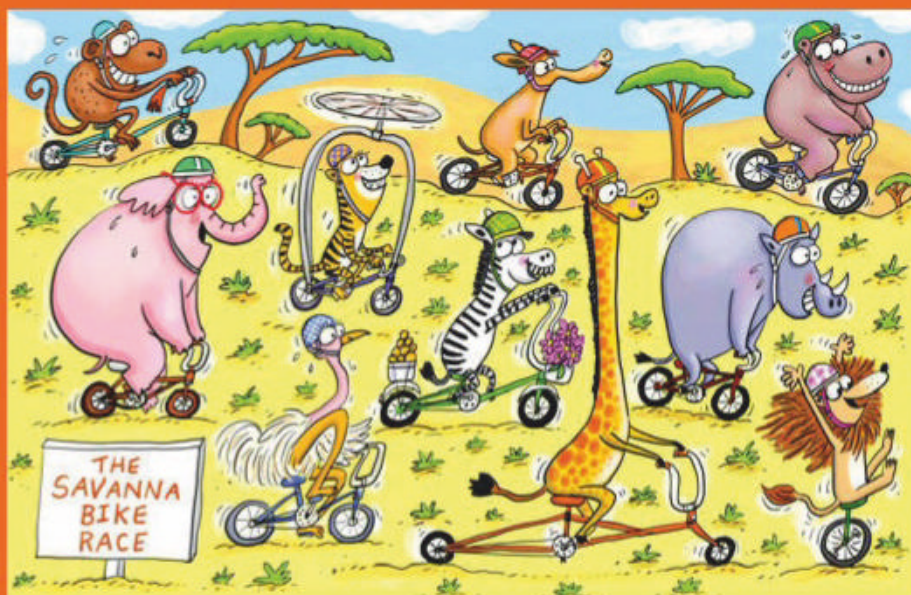
Bonus!
How many pets can you find in the scene?



Answers on page 38.

Check... and Double Check

Compare these two pictures. Can you find at least 18 differences?



Memorial Day Service

Paws and Think



- 🐾 Memorial Day is a day to remember those who died serving our country. Why do we set aside a day for this?
- 🐾 What do you notice about this scene? Why might the color guard carry the flags of different branches of the military?
- 🐾 What are some other ways people commemorate Memorial Day?

Remembering the dogs who served in the military.



Cupcake Conundrum

By John Samony
Art by Stephen Gilpin

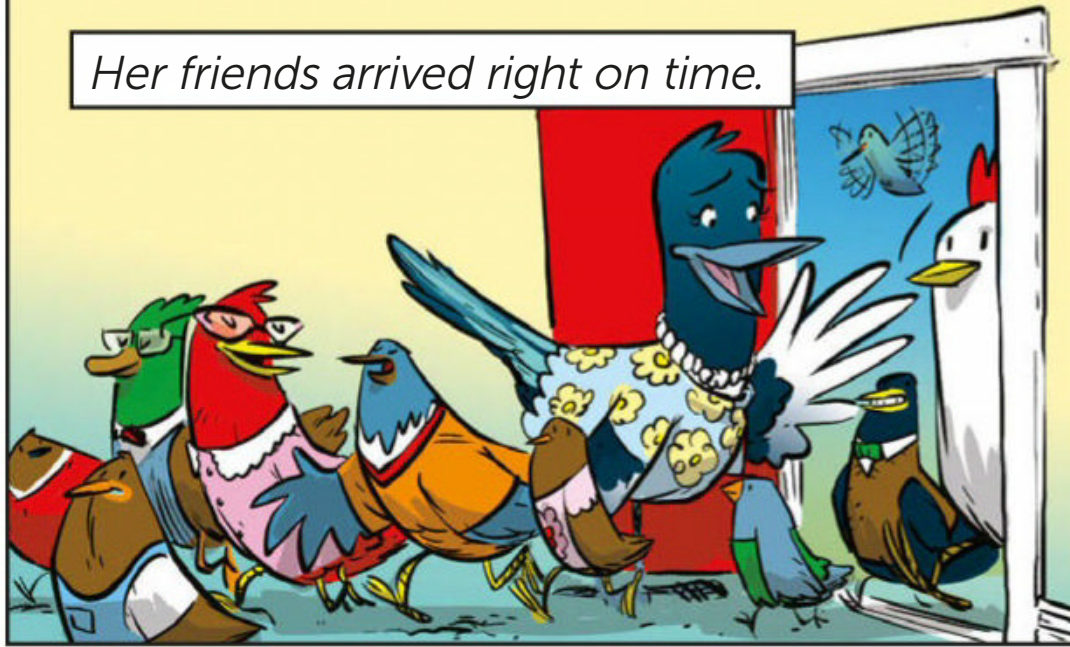
One day, Maddy Magpie noticed a new bakery in town.

I'll get some cupcakes for my upcoming party. Eleven guests plus me. A dozen cupcakes should do it!

I'd like three vanilla cupcakes, three pumpkin cupcakes, three strawberry-swirl cupcakes, and three chocolate cupcakes.

I'll leave these here while I change into my party clothes.

Her friends arrived right on time.



Everyone told stories and ate snacks.



KNOCK, KNOCK

Cupcake time!
I have a dozen
right here.
Oh, someone
is at the door!



Abigail,
what a lovely
surprise!
You're back
from Texas.
Just in time
for a party—
and a cupcake!



If 12 was a good number for
a party, 13 was even better.

But you said
you bought 12
cupcakes, Maddy!



Abigail can
have mine.

Strange. There
are 13 cupcakes
in the box. Why
would that be?

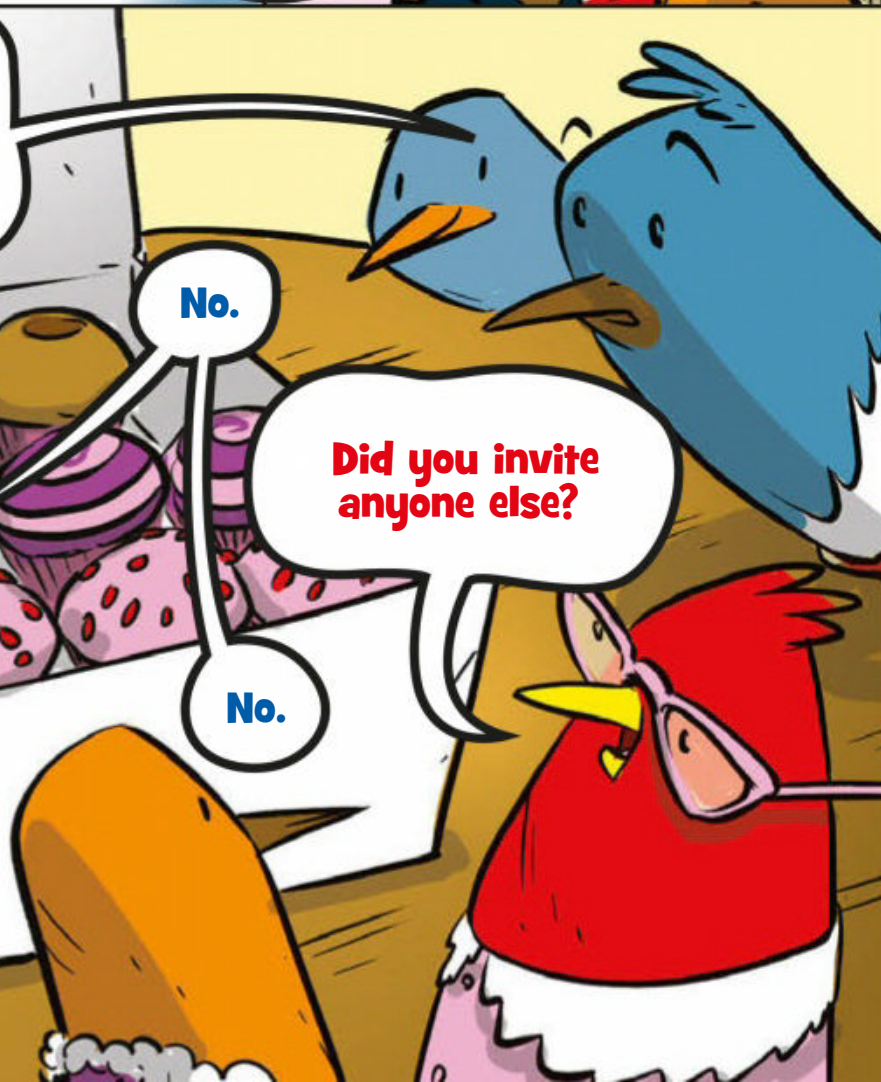


Did you know
Abigail was
coming?

No.

Did you invite
anyone else?

No.





Maddy thought. If 13 was better than 12, then 14 might be the perfect number for a party.



Bee? Wasp? Flower Fly!



Garden Friends

Flower flies are helpful garden insects. Adult flower flies move pollen from one flower to another, which helps some flowers grow into fruit. The young flower-fly larvae help by eating tiny insects called aphids. Aphids suck the juice out of plants, which can hurt the plants.

This fly is in disguise.

By Alison Pearce Stevens, Ph.D.

You stand in a garden. A quiet hum reaches your ears. You see a small insect hovering near your head. You turn to look, and it darts out of sight. There it is again! You move slowly. You can see yellow and black stripes on it.

Is it a bee? A wasp? It lands on a flower, and you take a closer look.

Bees and wasps fold their wings onto their backs when they stop flying. But this insect's wings stick out like a fly's. That's because it *is* a fly! A flower fly.

Many flower flies look like bees and wasps. This helps keep them safe from animals that may want

to eat them. Insects with yellow and black stripes usually have stingers. Insect eaters, such as some birds, small mammals, frogs, and toads, need to get stung only once to know that stripes mean trouble. Flower flies can't sting. But insect eaters see the stripes and leave the flies alone.

Flower flies spend most of their time looking for food. Like bees, flower flies eat pollen and nectar. This makes them easy to find in a garden full of blooming flowers.

Flower flies are sometimes called hoverflies because they can stay in one place while flying. Most insects move forward when they fly. But flower flies can twist their wings, much like hummingbirds do.

Twisting keeps them in one place, so they can hover over flowers, leaves, or even you! 🐝

Your Favorite Family Foods

Thanks for telling us about foods that are special to you and your family! Here are just a few.

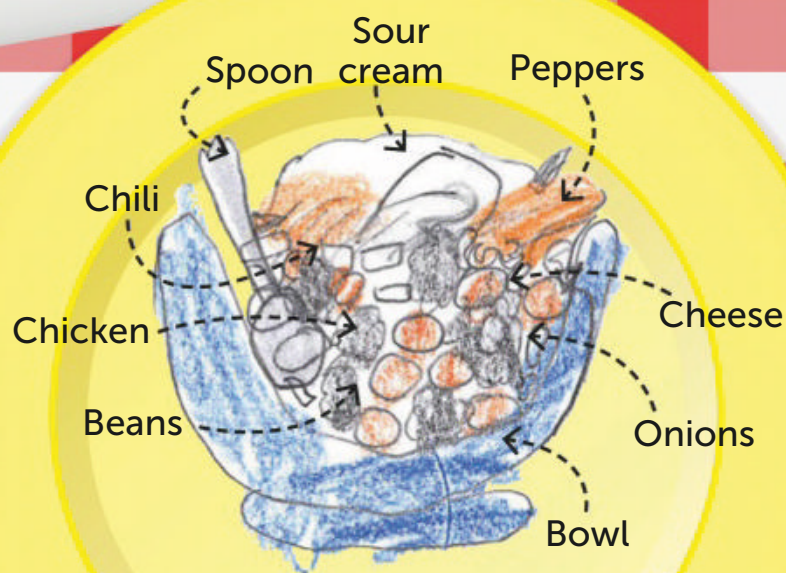


Ramen

Ramen is our favorite family food because I love noodles and my papa makes it extra special!

Trey Basford

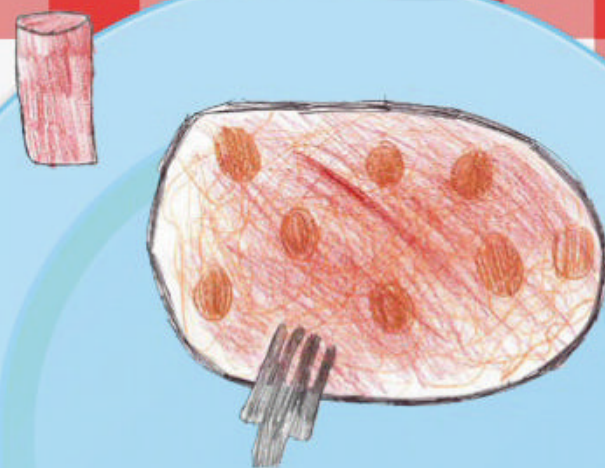
Age 6 • Texas



Chili is special to our family because we have it every Halloween.

Henry Cory

Age 6 • Indiana



Spaghetti and Meatballs

My favorite food is spaghetti and meatballs with apple juice. My nana makes it really yummy. That is why it is so special to me!

Landon Brown

Age 7 • Wisconsin

Cranberry Salad

My favorite food is cranberry salad because

1. It's yummy.
2. It is only for Thanksgiving dinner.
3. I cook it with Daddy together.
4. It's red and pretty.

Ginny Dianni

Age 6 • Illinois



Lefse

In our family, we make lefse (LEFF-seh). It's a Norwegian flatbread of potatoes and flour. We're Norwegian, so it's a special family recipe. It's cooked on a griddle, and it looks like a tortilla. When it's done, it's buttered and rolled, and there's nothing better than fresh lefse!

Vivi Dewitt

Age 10 • South Dakota

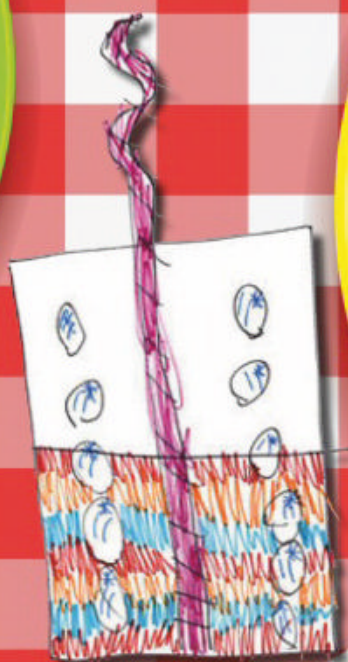


Pho

Since I'm Vietnamese, my whole family eats pho a lot because it's Vietnam's traditional soup. I like to eat it with oxtail. It's special because I feel like I just landed in Vietnam.

Zoe Le

Age 8 • Florida



Rainbow Lemonade

A Fun Family Drink

Ingredients:

Strawberries
Peaches
Baked apple
Blueberries
Lemonade
Bubbly water

Nora Slobin

Age 6 • Washington



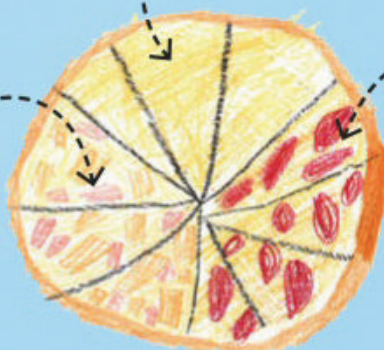
Corned Beef and Cabbage

My family's favorite meal is corned beef and cabbage. We like it so much because my mom's ancestors were Irish. So every St. Patrick's Day, we have corned beef and cabbage for dinner.

Delaney H.

Age 11 • Washington

My mom likes pineapple-ham pizza.



I like cheese pizza.

My dad likes pepperoni pizza.

Pizza

Dolly Harland

Age 7 • Kentucky



Pancakes with Berries

This is a pancake with berries on a purple plate. It is special because my dad makes it from scratch.

Noah Clark

Age 8 • Arizona

Dawson's Dish

My family's special dish is called Dawson's Dish.

Dawson is my cousin. He is 17. Whenever he comes over, we eat it a lot. It has olives and avocado and more.

Alan Spiegel

Age 11 • Wisconsin



Who Is Your Hero?

Which person do you look up to the most?

Maybe it's a family member, a friend, or someone you know in your community. In a few sentences, tell us why you appreciate your real-life hero. Include your name, age, and complete address. Send to

Highlights

Who Is Your Hero?
803 Church Street
Honesdale, PA 18431

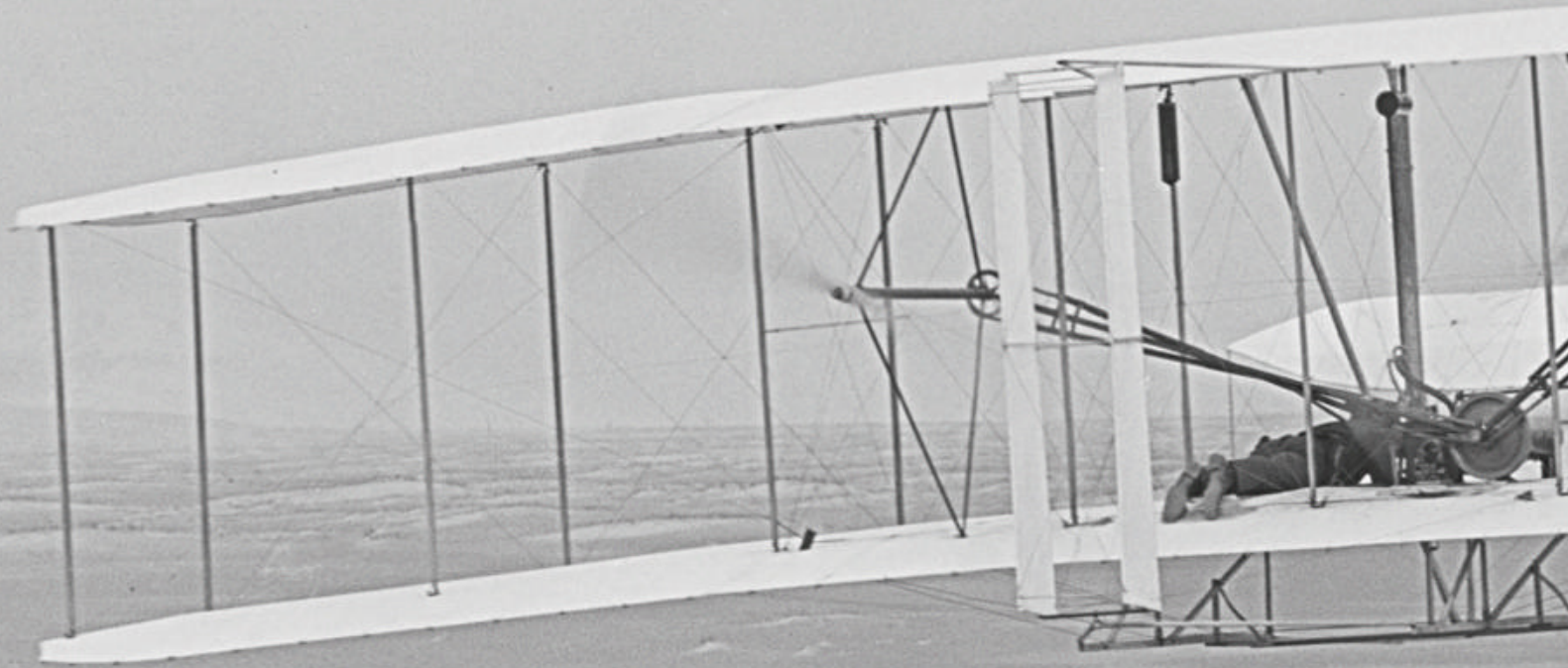
We must receive your reply by June 1, 2019, to consider it for publication.

MAY 2019

Highlights 27

How the Wright

Scorn, freezing nights, swarming mosquitoes . . .



History-making flight: The world's first airplane takes off for the first time, on December 17, 1903, near Kitty Hawk, North Carolina. Orville, the pilot, is lying facedown at the controls. Wilbur is at right.

In 1900, Wilbur and Orville Wright stood on a beach in North Carolina, twisting their hands, wrists, elbows, and arms this way and that, mimicking the seabirds that soared above them. Although the brothers' movements may have looked silly, studying bird movements enabled the Wrights to unlock the secrets of flight.

From watching buzzards and pigeons fly, Wilbur learned

to control the side-to-side rocking, or roll, of a glider by designing wings that could be twisted, or warped, in flight to adjust the wingtips. Other experimenters had tried and failed to control their gliders by having the operator shift

The Wright brothers built and flew the world's first airplane.

his weight. Wilbur was modest, but even he said his theory was "almost revolutionary." In 1903, the Wright brothers built and flew the world's first powered airplane capable of sustained flight. They patented their wing-warping invention in 1906.

Others Laughed

Before the Wrights' success, people in the nearby town of Kitty Hawk did not understand the brothers' work. "We couldn't

Brothers Took Off

Nothing could stop them. By Libby Wilson



help thinking they were just a pair of poor nuts,” John T. Daniels later admitted. “We laughed about ’em among ourselves for a while, but we soon quit laughing and just felt sorry for ’em. . . . Such nice boys wasting their time playing with kites and watching the gulls fly.”

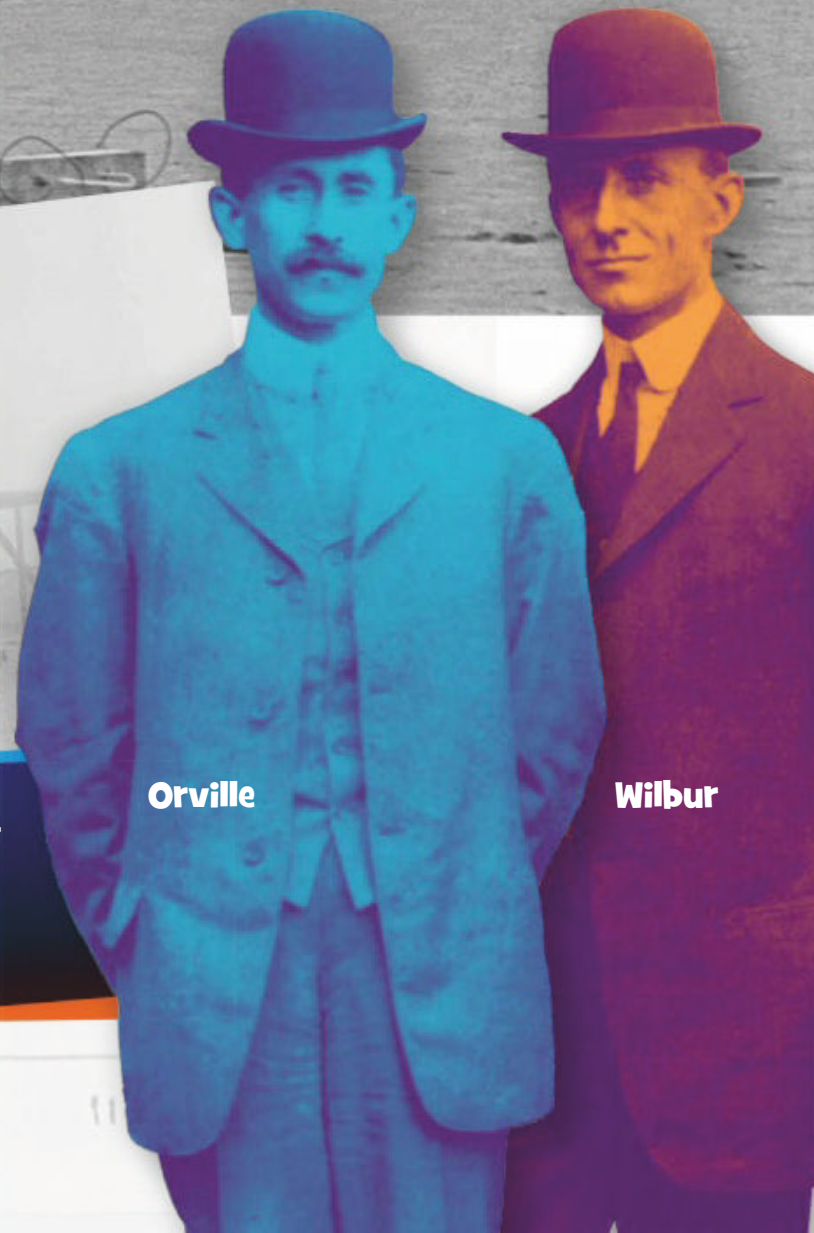
Mocking anyone who dreamed of flying was common during the Wrights’ time, even by scientific

(Continued on next page)

The Wrights work on a glider in 1901. They tested ideas on kites and gliders before they built their powered flyer.

Orville

Wilbur





Above: Orville tests a glider, helped by Wilbur, left, and Dan Tate. Right: The brothers' bicycle shop in Dayton, Ohio. Far right: Pages from a flyer patent.



(Continued from page 29)

leaders. Rear Admiral George Melville, the United States Navy's chief engineer, wrote that the dream was "wholly unwarranted, if not absurd."

Did the naysayers discourage the Wrights? Not one bit.

Not only did they have the courage to continue their pursuits; they were also willing to sacrifice their own comfort, at least temporarily. While the Wrights camped near Kitty Hawk, the weather became

so cold that the water in their washbasin froze. Orville wrote to their sister Katharine, "The wind blows in on my head, and I pull the blankets up over my head, when my feet freeze, and I reverse the process. I keep this up all night and in the morning am hardly able to tell 'where I'm at' in the bedclothes." Many nights, fierce storms swept along the shore, and Orville would either be up helping Wilbur hold the tent down or lying awake "expecting to see the tent get up and fly away every minute." And the

brothers often ran short of food. "Will is 'most starved," Orville reported.

A Swarm of Mosquitoes

In July 1901, Orville said, mosquitoes caused the "most miserable" time of his life. The insects "came in a mighty cloud, almost darkening the sun. . . . They chewed us clear through our underwear and socks. Lumps began swelling up all over my body like hen's eggs." The brothers wrapped

Make a Wright-Inspired Flyer

By Angie Neer

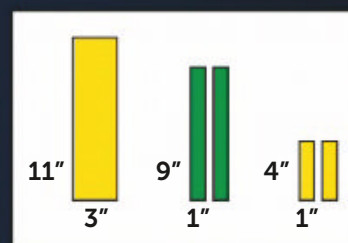
FRONT

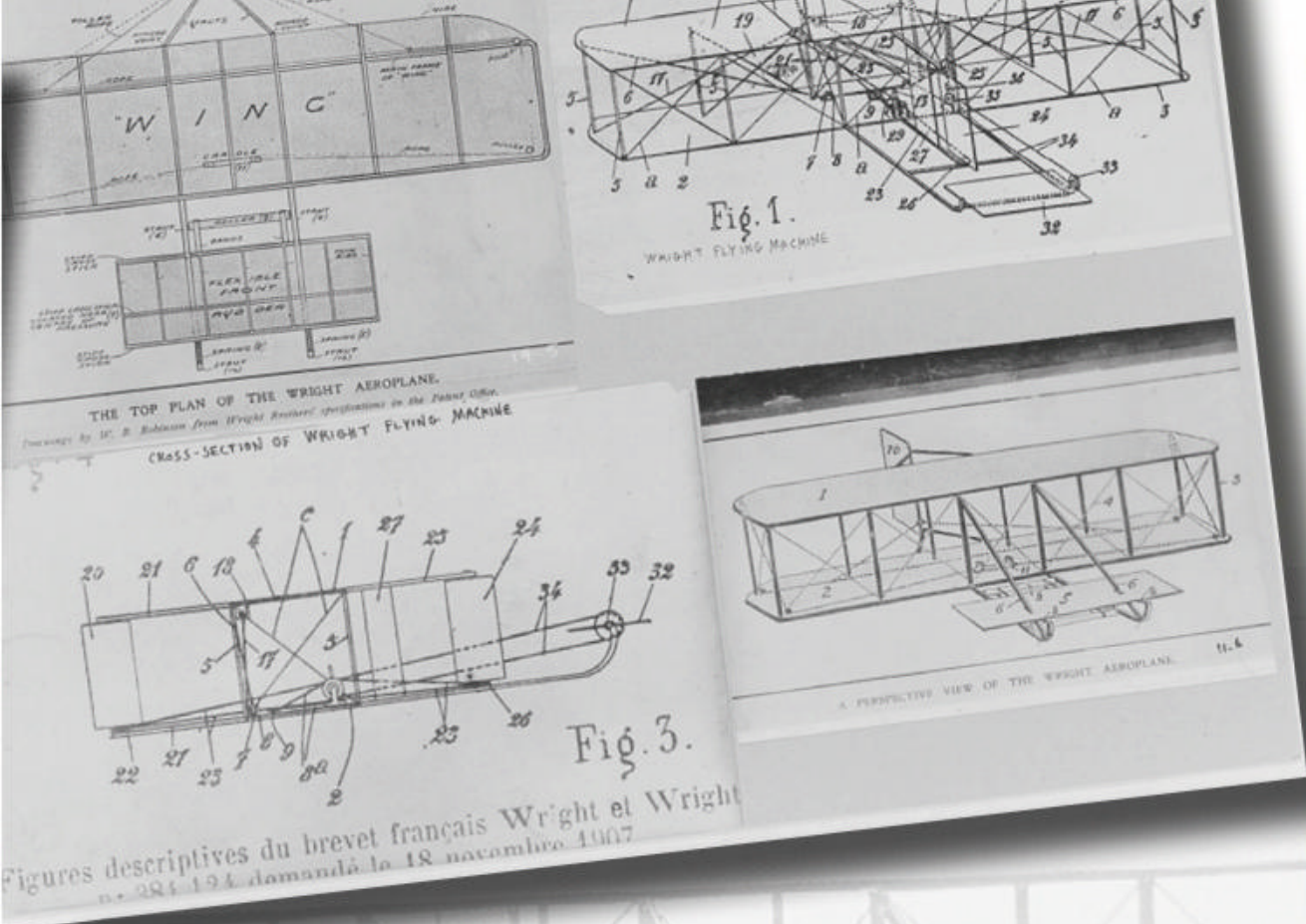
BACK

CRAFT STICK

WHAT TO DO

1. Cut out five rectangles from **poster board** in the sizes shown.
2. Glue the largest rectangle across the middle of a long rectangle. Glue a short rectangle across the front end, as shown. Let dry.
3. Glue the second long rectangle on top. Glue a **large craft stick** under the front end. Add two **large paper clips**. Let dry.
4. Make a ½-inch cut in the back end. Glue the second short rectangle into the slot, as shown. Let dry.





themselves in blankets to escape, but with the summer heat, "Our blankets then became unbearable. The perspiration would roll off of us in torrents. We would partly


Mosquitoes "came in a mighty cloud, almost darkening the sun."

uncover and the mosquitoes would swoop down upon us in vast multitudes. . . . Misery! Misery!"

Most people would have packed up and gone home. But the brothers' never-give-up attitude was perhaps the most important key to their success. For years, the Wright brothers persisted through lack of sleep, complicated calculations, mangled gliders, and broken ribs—working and failing, working and failing—until they finally succeeded.

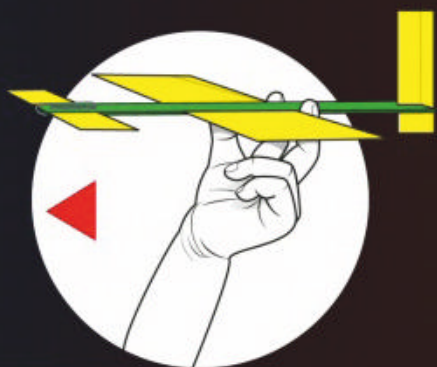
"What All of Us Could Do"

To achieve what they did, they were first consumed by an idea—"afflicted" was Wilbur's word—and then stuck with it.

Mr. Daniels of Kitty Hawk put it this way: "It wasn't luck that made them fly; it was hard work and hard common sense. . . . I'm a-wondering what all of us could do if we had faith in our ideas and put all our heart and mind and energy into them like those Wright boys did!" 

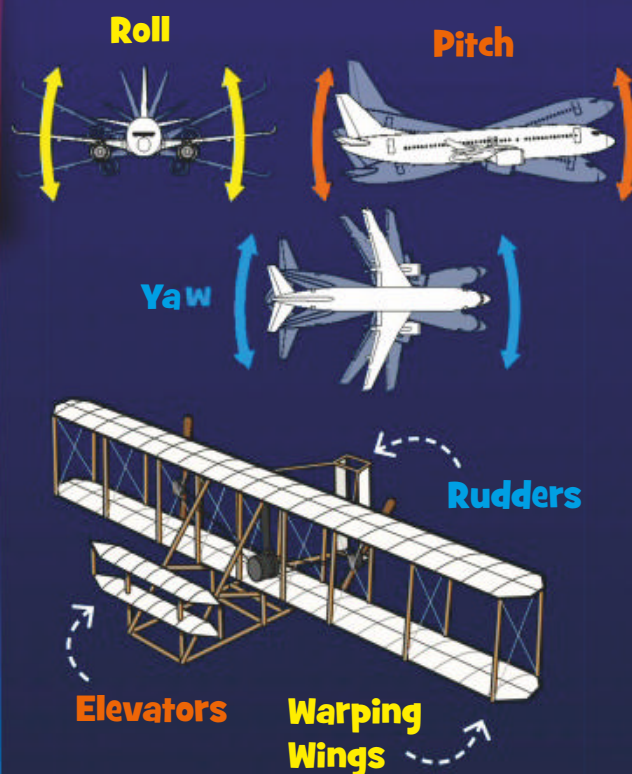
HOW TO LAUNCH

Rest your thumb on the craft stick, with your pointer and middle fingers on either side of the body, behind the wings. Throw it straight—and not too hard.



Still in Control

The Wright brothers discovered how to control an airplane's three main motions: roll, pitch, and yaw. Modern airplanes still use their system.



Ailerons move up and down to steady roll. (Ailerons replaced wing warping.)

Rudder turns side to side to adjust yaw.

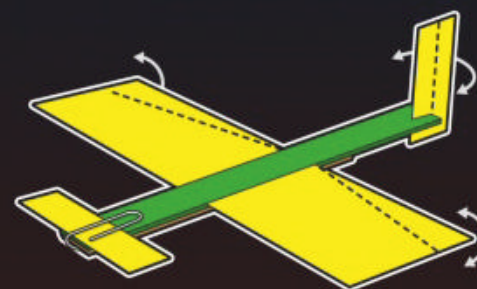


Wings provide lift.

Elevators turn up and down to change pitch.

Controlling Your Flyer

To change the way it flies, try bending at the dotted lines.



An illustration of a young boy with brown hair and a green sweater, looking intently at a golden egg resting in a nest of grey, fluffy cotton. The nest is placed on a wooden surface next to a fireplace with a fire burning. In the background, a window shows a landscape with green hills and a yellow sky. To the left of the window, several bunches of green herbs are hanging from a string. The text "His plan was working!" is written in yellow in the upper right corner.

His plan
was
working!

The Golden Gosling

By Teresa Bateman • Art by Kris Easler

Lon was chasing his runaway horse when a goose squawked under his feet. He tumbled into a thornbush and groaned. “Why do I have such bad luck?”

Things never seemed to go Lon’s way. If there was a bee about, he was stung. If there was a hole, he’d fall into it. And if his horse ran away, it would run straight through a thornbush. Still, even bad luck might turn good if he could catch that goose for dinner.

Lon’s stomach rumbled. He scanned the bushes, then blinked. Hidden under a nearby clump of ferns was a nest, and in that nest was an egg. Just an egg, but even one egg might make a small meal.

He picked it up, then dropped it in surprise. The egg was unusually heavy, and it gleamed

in the sunlight. He bent down to take a closer look.

The egg was made of gold!

Lon sighed. He’d nearly stepped on a goose that lays golden eggs, and all he had was this egg. Of course, one golden egg was better than nothing. But if he had captured the goose, he would have had golden egg after golden egg.

Things never seemed to go Lon’s way.

Then a thought exploded in his mind.

An egg in a nest would hatch at some point. Perhaps he could take it and get it to hatch, and the new goose would lay golden eggs just as its mother did.

Lon smiled. His luck seemed to be changing.

Once home, Lon placed the egg into a bed of fluffed cotton next to the hearth. He turned it every hour for several days.

One morning, he heard a faint *chk-chk-chk*. A tiny crack appeared in the egg. Then a larger one. Suddenly, a small golden beak poked its way through the shell.

Lon laughed. His plan was working! And all it had cost him was one golden egg.

Moments later, a ragged bundle of gold-tinted feathers flopped out of the cracked shell. It was an ugly little thing, but Lon didn’t care. All that mattered were the golden eggs it would soon lay.

The gosling demanded food.

Lon happily kept its beak filled. He named the bird Goldy and became fond of it, even though it was soon better fed than he was.

Lon talked to his goose and taught it to play checkers.

Time passed as Lon waited for the first golden egg.

Time passed as Lon waited for the first golden egg.

He waited and waited and waited.

Goldy had grown quite fat, but there were no eggs. Lon finally took the goose to a farmer to see if the farmer could diagnose the problem.

"Interesting goose you have there," the farmer remarked. "Unusual color."

Lon nodded. "I'm hoping she'll lay eggs soon."

The farmer took a closer look and chuckled. "You'll never get eggs from this goose. It's a gander—a boy goose!"

"I might have known," Lon muttered as he carried Goldy home. "My luck has never been anything but bad."

Goldy looked concerned.

"I might as well roast you for dinner," Lon said. "At least then I'll get a meal for all my work!"

Goldy looked alarmed. With a twist and a wiggle, he popped out of Lon's arm and escaped into the forest.

"Well, that figures," Lon said. His shoulders slumped as he made his way home.

In the weeks that followed, bad luck seemed to trail Lon more than ever. Besides, he missed Goldy.

There was no one to talk to.

There was no one pestering him for food.

And it was no fun playing checkers alone, even if he did win every game.

Then, one morning, Lon awoke to a strange honking outside.

Just beneath his window was a nest. In it was a golden egg.

Goldy proudly paraded on the lawn.

"I guess that farmer was wrong!" Lon cried out in delight.

Then another goose stepped out from behind a gooseberry bush.

"A girl goose!" Lon crowed. "Good work, Goldy. You figured out a way to give me golden eggs after all. My luck is changing at last!"

The new goose looked up at Lon, then marched to the nest and settled snugly over the egg.

"Oh, I see. You won't let me have the egg," Lon said with a deep sigh. "I suppose you'll want breakfast."

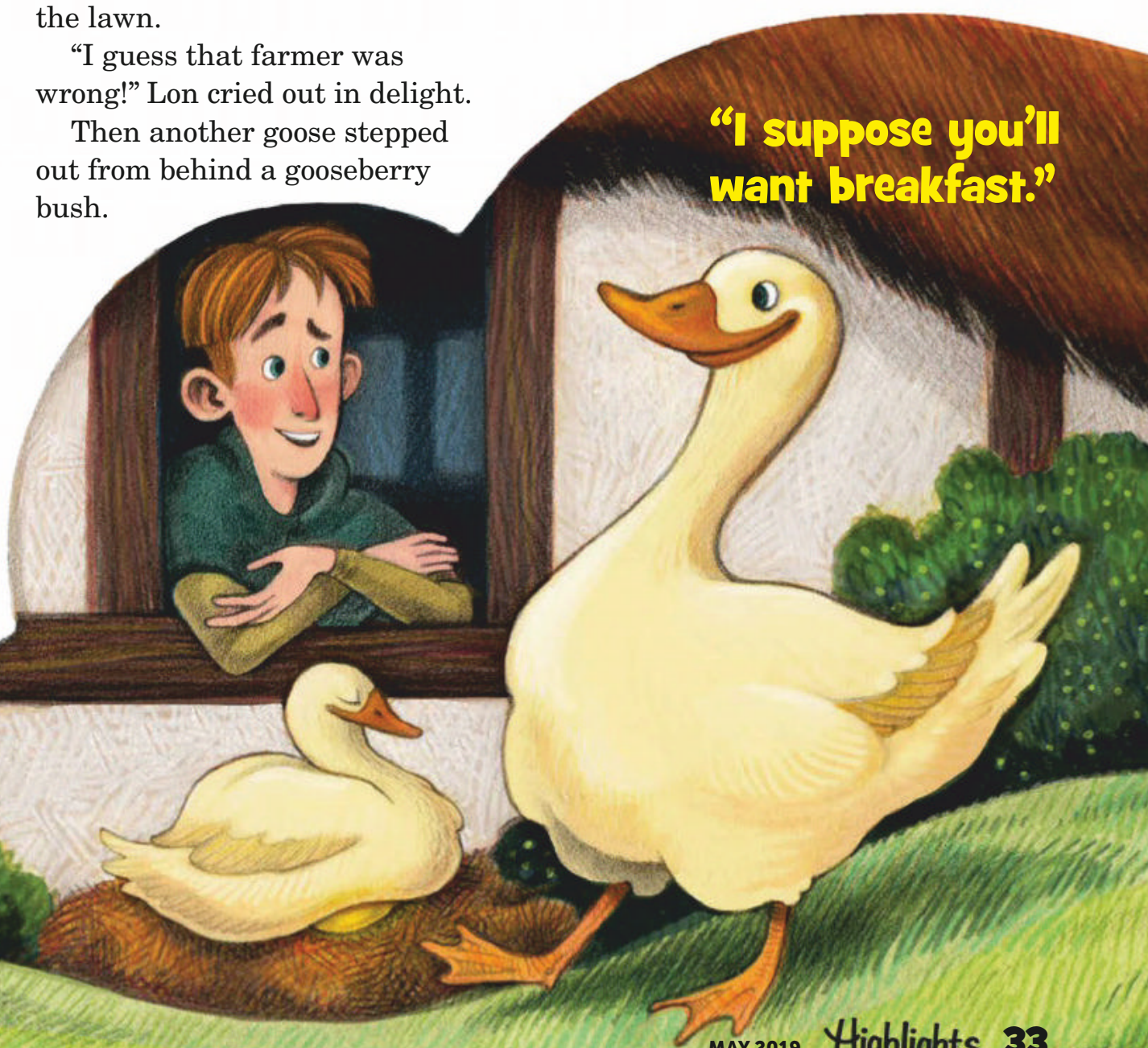
Both geese nodded.

Lon took some oatmeal out to his guests. "So you get food and a place to stay," he said. "What do I get?"

Goldy honked and pointed his beak toward the checkers set just inside the window.

Lon shook his head and laughed. "All right. I suppose I *would* enjoy a game of checkers." 4

"I suppose you'll want breakfast."



Your Own Pages



Frilled Lizard

Tyler Warren
Age 7 • Michigan

*Crack goes the bat
Zoom goes the ball
I love baseball!
Catch goes the mitt
Throw goes the hand
It's like a baseball band
Crack, zoom, catch, throw
Hit so far, get a home run
Baseball is so much fun*

Rosie McRackan
Age 8 • North Carolina



Kites in the Sky

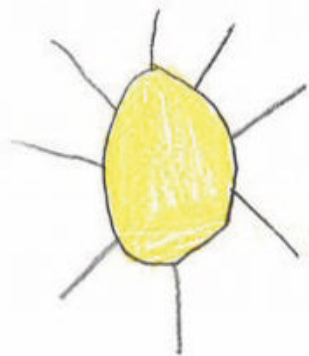
*Kites, kites in the air,
kites, kites everywhere.
I like to play with my pretty kite.
Please don't make kites fly out of sight.*

Anne Song
Age 8 • California

The Singing Turtle

*A turtle who lived in Beijing
had a voice like a creaky old swing.
Those who could hear
would cover their ears
whenever he started to sing.*

Aric Ashby
Age 11 • Ontario, Canada



Play Tree

Kaleb Lewis
Age 11 • Texas

**Prickly, spiky rose
underneath the thorns something
soft and curious**

Claire Adams
Age 10 • New Jersey

Stormy Days

**Stormy days,
cold and dark.
Windy breeze
blows the trees.
Thunder goes boom,
boom, boom,
Lightning will come,
I assume.**

Maya Schmidt
Age 7 • Illinois



Sunset Sea

LaKota Morales

New Mexico

Art

Art
makes my heart
feel all nice
and all warm.
It helps me get through
a boring rainstorm.
When I paint,
thoughts flow
from the tips
of my fingers.
And when I am done,
a good feeling
still lingers.

Avery Brooke

Age 10 • Massachusetts



Custom Semi

Timothy Jamieson

Age 13 • Arizona

On a night like tonight
There's only one thing to do.
Have a special outside dinner
Just. For. You.
While the trees shade you,
And you sit down to rest,
As the breeze blows softly,
It is the best.

Emery Talley-Grosz

Age 6 • Virginia

Owls

Owls can fly.
Owls eat mice.
Whenever I look out
the window at night,
I might, I just might,
see an owl tonight.

Caleb Gheen

Age 6 • Colorado



Cartwheel

Grace Hill

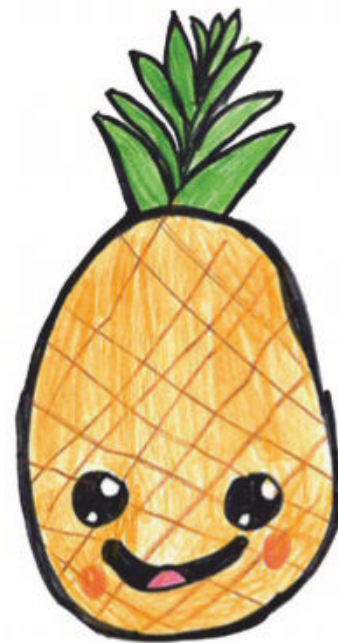
Age 11 • Utah

I Love to Eat!

I love to eat!
I like to eat every day.
I eat at snack time, breakfast,
lunch, and supper.
Food makes me happy, excited,
and energetic.
I wonder
what my next meal will be.
Some of my favorite foods are
yummy chicken pie,
crunchy fruity cereal,
crisp apples,
and
sweet, delicious grapefruit.

Ellie Jones

Age 10 • North Carolina



Ella Peterson

Age 9 • Wisconsin



Sophia Bencivenga

Age 10 • New Jersey

Share Your Creative Work

We'd love to see it!
Art must be on unlined paper.
Poems must have fewer than
75 words. All submissions
must be created by you.

Include your name, age,
and address. Mail to

Highlights

Your Own Pages
803 Church Street
Honesdale, PA 18431

We cannot
return your
work, so you
might want to
keep a copy.

Bubbling Bath Fizzies

A Mother's Day treat—for Mom's feet!

By Channing Kaiser

**Do not eat!
They're for
your feet.**

Wear eyeglasses or
goggles to protect your
eyes while mixing
ingredients.

1. In a large mixing bowl, stir together 1 cup of **baking soda**, $\frac{1}{2}$ cup of **citric acid** (found in the canning section of grocery stores), $\frac{1}{2}$ cup of **Epsom salts**, and $\frac{3}{4}$ cup of **corn starch**.
2. In a small mixing bowl, stir together 2 tablespoons of **olive oil** and 1 tablespoon of **water**.
3. Add the wet ingredients to the dry ingredients one teaspoon at a time, stirring quickly.
4. To make different colors, divide the mixture into separate bowls. Mix a few drops of **food coloring** into each. Optional: Add a few drops of **vanilla extract** for scent.
5. Spoon the mixture into an ice-cream scoop and press down hard to compact it. Gently release the bath fizzy and place it on a paper towel. Repeat. Let dry for 24 hours.
6. Wrap with **tissue paper**. Add a **cardstock** tag with these instructions:

Treat Your Toes

Fill a container big enough for both feet with warm water. Drop in a bath fizzy, then relax and let your feet enjoy the fizz!

The Science Behind the Suds

When placed in water, baking soda and citric acid react with each other. This chemical reaction produces carbon dioxide (CO_2) gas, which bubbles up out of the water.



Jim, Not Gym

By Bernadette Lambert

Art by Gladys Jose

“I am looking for Jim. I don’t mean the *gym* where my aunt goes to lift weights. Not the *waits* when my dad misses the bus and has to stand in the rain. Not the *reign* of a king, queen, princess, or prince. Not the *prints* my cat makes when he walks with wet feet across my checkerboard. Not the *bored* way my dog looks when I’m practicing a hymn. I mean *him*. Do you know Jim? I am looking for Jim!”

Hodgepodge

By Barbara J. Barata



By changing one letter in the word *zig*, you get *zag*. Put them together, and you get *zigzag*. Many words and phrases, such as *ticktock* and *Ping-Pong*, are created this way. Can you name the ones below?

1. A shoe for the beach.
2. A character who had a great fall.
3. A doorbell sound.
4. Magic words.
5. A dog’s bark.
6. A trinket.
7. A crying sound.
8. A type of music.

Answers on page 38.

Farm Funnies



"I'm writing a moo-sical."



"That one looks a lot like you."

Answers

page 2

Fun This Month

Bird Words
Birdcage.
Birdbath.
Birdseed.
Birdhouse.
Birdsong.

Mystery Photo—Sea star.



page 20

Tiny Town Teaser

Bonus! Seven pets are in the scene.



page 37

Hodgepodge

1. Flip-flop.
2. Humpty Dumpty.
3. Ding-dong.
4. Hocus-pocus.
5. Bow-wow.
6. Knickknack.
7. Boo-hoo.
8. Hip-hop.

page 43

Picture Puzzler

Because its PETALS WERE BROKEN.

RIDDLES

1

What do you call a fish with a badge?

Molly Plumhof, California

2

Which city is a tiny apple's favorite place to visit?

CoCo Francisco, Missouri

3

What is the only dog that never barks?

Levi Boyd, Ohio

4

What did the astronaut say about her trip into space?

Audrianna, Wyoming

5

How does a robot eat guacamole?

Corbin, North Carolina

6

Why can't you fool a snake?

Caroline Percival, Texas

7

Where do pigs like to nap?

Dashiell Miller-Rao, Ohio

8

What instrument does a cell phone play best?

Everest Wright, Indiana

9

Why did the cantaloupe jump into the sea?

Violet, Virginia

1. O-fish-al. 2. Minneapolis (Mini-apple-s). 3. A hot dog. 4. "It was out of this world!" 5. With computer chips. 6. You can't pull its leg. 7. Hammocks. 8. A cell-o. 9. It wanted to become a watermelon.

Covers: Carve Your Way! by Jennifer Harney; What's Wrong? by Dave Whamond
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BrainPlay

START

Take your brain on a hike!

How hard or easy would it be to never step where anyone else had stepped?

What would it be like if everyone wore the same clothes as everyone else?

What can you carry a lot of easily?



What might make each of the sounds above *outdoors*? What might make each one *indoors*?

Which hobbies have you had for a long time?

Which of your hobbies are new?

How well can you describe the faces of people you see every day?

If you had lots of time to practice, would you rather be in a **BAKING CONTEST**

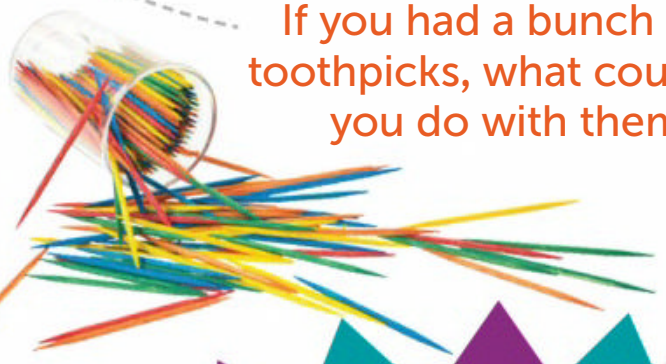


or a **JUGGLING CONTEST? WHY?**



What does it mean to say that there is a twist in a story?

If you had a bunch of toothpicks, what could you do with them?



What makes shade?

THE END

When have you said something that you regretted later?





Ask Arizona

This girl on my team is either super rude to me or just totally ignores me. I can't figure out what I did wrong.
—Baffled in Boston

When It's Not About You

By Lissa Rovetch • Art by Amanda Morley

Dear Baffled,

People are complicated, right? Just when I think I've figured out how to communicate, I discover I have so much more to learn. I realized this again recently, when I was taking a pottery class at the local art center.

We pounded and kneaded our clay to soften it up, and then Rick, our instructor, said, "Now that we've wedged the clay, we'll roll it into a long snake, like this." He made a skinny rope.

I started rolling the clay. But as soon as I found a rhythm, the table started shaking wildly. The boy next to me was still pounding his clay.

"Whoa!" I laughed.

He didn't say a word. He just kept slamming his clay over and over.

"I don't know if you heard," I said, "but we're supposed to be making a snake now."

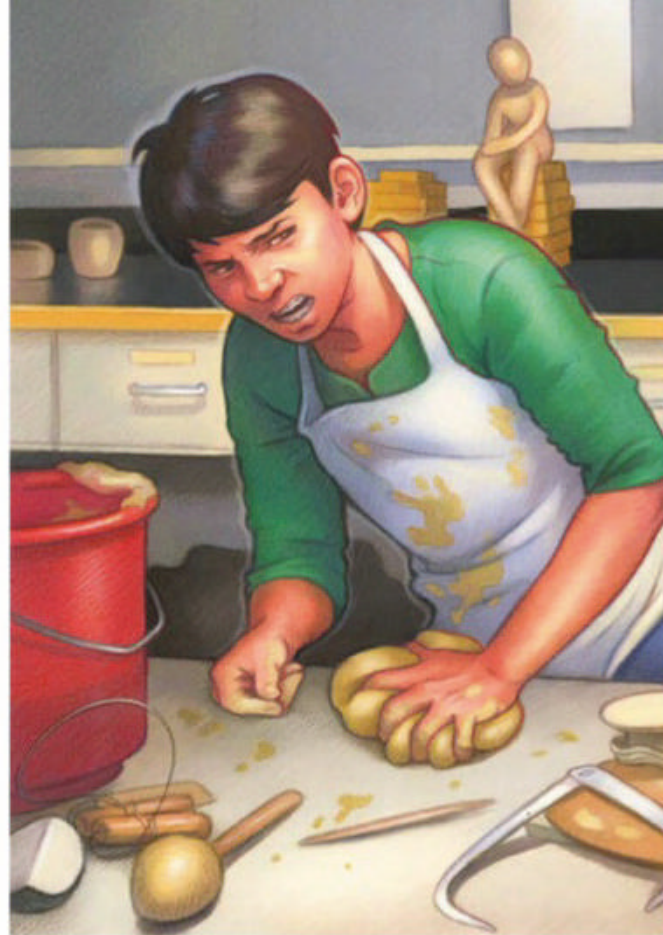
The boy ignored me.

"OK, gang," said Rick. "Now coil your snakes into bowls."

It wasn't easy to make anything resembling a bowl because the boy was still slamming his clay. I was worried he wouldn't have time to make his bowl, so I rolled out an extra snake. "Here," I said. "You can use this if you want to catch up."

"Do you always tell everyone what to do?" he snapped.

He was squeezing the ball of



clay so hard, it was oozing out between his fingers.

I was so confused. What did I do to make him angry at me?

The next class, I found a different seat.

"OK," said Rick. "Everyone grab your rolling pins for our slab project."

I was glad I wasn't near the kid I'd been sitting next to the week before. I could just imagine the noise he'd make with his rolling pin.

But he was surprisingly quiet, and I didn't hear him at all during class. When I carried my piece over to the drying shelf, I noticed he was making a cool box.

What did I do to make this boy angry at me?

He saw me looking at him and glared. "Are you planning to tell me how to do this too?"

"No! I was just thinking that your box looks incredible," I said.

"Gee, I'm glad you approve," he said, sounding sarcastic.



“Do you always tell everyone what to do?”

I didn't know how to respond. I felt my face get hot, and I almost thought I'd cry. Luckily, class was almost over.

At home later, I curled up with my cats. “What does that kid have against me?” I asked Cow and Charlie. “I was trying to be friendly, not bossy!”

Charlie rolled over and purred as if to say “Don't worry about it.”

“That's easy for you to say,” I told him. “Maybe I should quit

the pottery class.”

But wise old Cow blinked twice and gave a knowing meow.

“I guess you're right,” I said. “I should just give the boy some space and see how things go.”

When I arrived at the art center for the next class, that boy was sitting in the backseat of a car and a woman was standing outside talking to him. “Come on, Adam,” she said. “You can't stay in there forever. You'll be living at Grandma's for just a little while, until your dad and I figure everything out.”

Adam's voice came from inside the car. “But I want *you* to pick me up today.”

“I'm sorry, honey,” said the woman. “It's going to have to be Grandma.”

“Your divorce is changing everything!” said Adam.

The woman sighed. “Time to get out of the car, Adam.”

No wonder he didn't want me telling him what to do! Everyone was telling him what to do, and everything they said was hard to

hear. Later, during class, I saw Adam carefully painting his box. I was impressed. I'm not sure I would have been able to focus like that if my parents were in the middle of a divorce.

We don't always know what's going on in other people's lives.

So, dear Baffled, we don't always know what's going on in other people's lives or how it affects the way they act. Try not to take your teammate's behavior personally. Give her some space—and give yourself space too if the way she's acting is upsetting you. But remember to stay kind. There's a good chance her unfriendliness is not about you at all.

**Ciao for now,
Arizona**



“Time to get out of the car, Adam.”

Dear Highlights

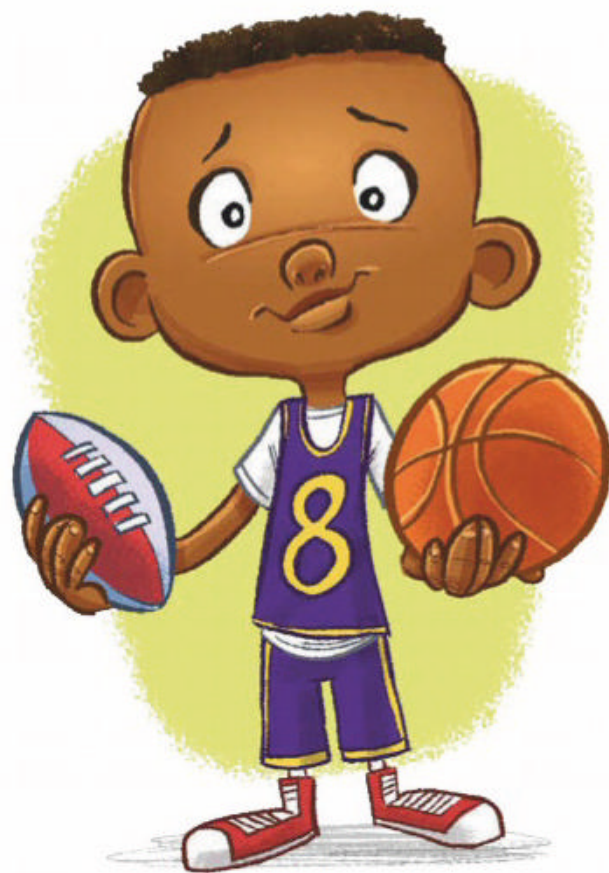
I have two guinea pigs. One tries to climb out of the box when I take them places.

Lucia, Pennsylvania



Although you didn't mention where you take your guinea pigs, it might be better to leave them in their cage whenever possible. They are probably happiest in the place they know best.

If leaving your guinea pigs at home isn't an option—for example, if you're taking them to the veterinarian or on a family trip—the safest way for them to travel is in a small animal carrier. These carriers are designed to keep small pets safe. If your family doesn't own a carrier, perhaps you can borrow one from a friend or relative.



I'm creating a summer athletic club but don't have enough members to fill the positions for all the sports.

Calvin, Maryland

Having an athletic club is a great idea!

Instead of starting with a lot of sports, maybe you could begin with just a couple so you'll have enough players. Also, it's likely that some of the kids will want to play more than one sport.

You can ask the kids in your club to invite their friends and siblings. As new members join, you may be able to add more sports.



Kids at school make fun of me when I have seaweed at lunch.

Dakota, Colorado

Sometimes when people see something unusual, they react by making fun of it. If their teasing seems good-natured, you could laugh and say "It's delicious. You don't know what you're missing!" If they're saying mean things, tell them firmly to stop and then ignore them.

If you want to and if your parents say it's OK, you might ask your teacher if you can bring in some seaweed so your classmates can taste it. They may discover that they like it. Even if they don't, you can continue to eat it. It's perfectly all right for you and your classmates to like different things.

Write to us!

Please include your name, age, and full address. Mail to

Dear Highlights

803 Church Street
Honesdale, PA 18431

Or e-mail us at Letters@Highlights.com.

Picture Puzzler

Picture Puzzle

This year's flower show includes a code puzzle for visitors to crack.
Can you solve it?



Answer on page 38.