

 NATIONAL  
GEOGRAPHIC

178  
PRIZES  
INSIDE



# KIDS

SPECIAL  
**SAVE  
THE EARTH**  
ISSUE

# 40 WAYS TO HELP OUR PLANET!



WHAT  
DO YOUR  
DREAMS  
MEAN?



HOW TO MAKE  
**PLAY  
CLAY!**

HISTORY'S  
GREATEST  
HITS

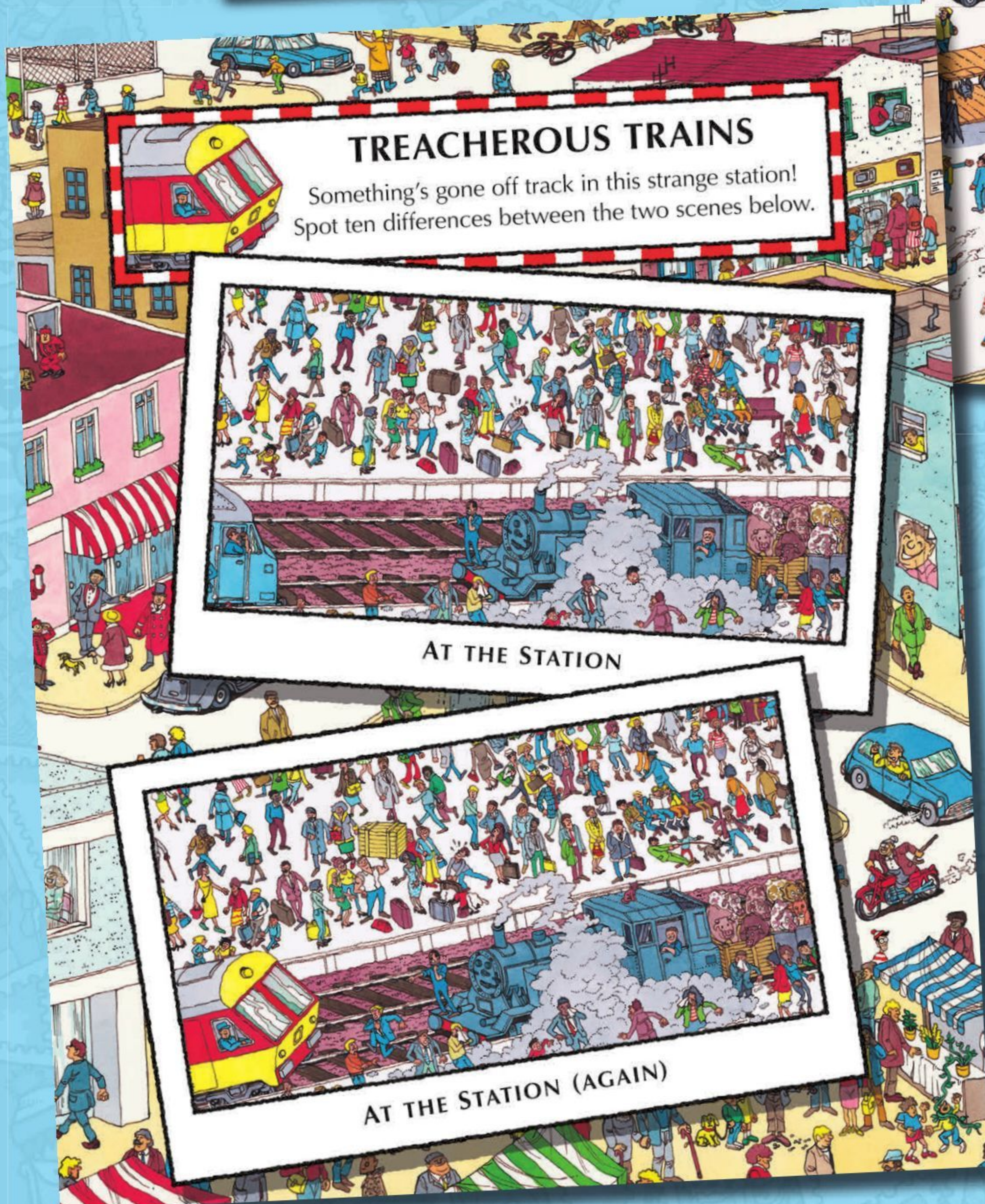
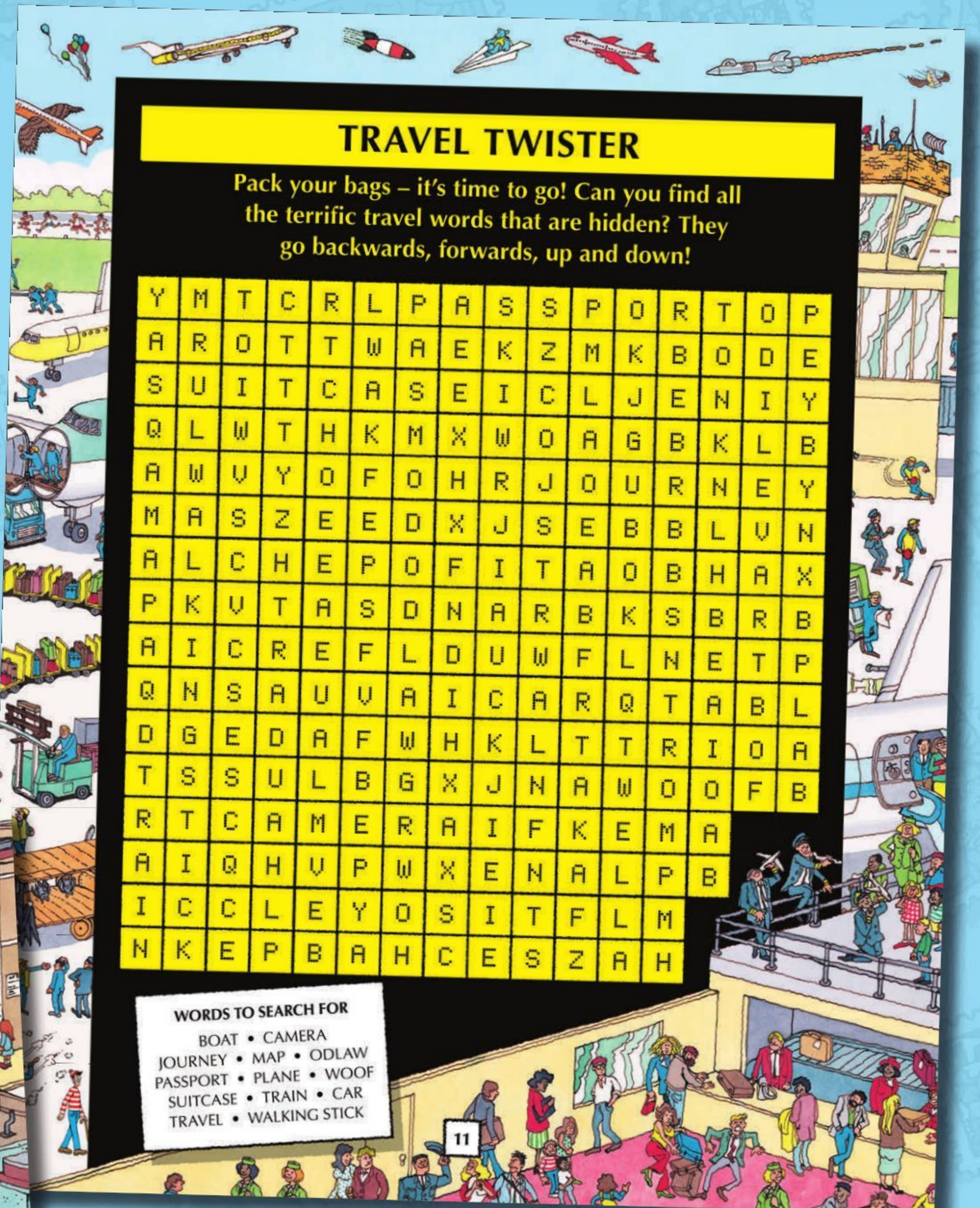
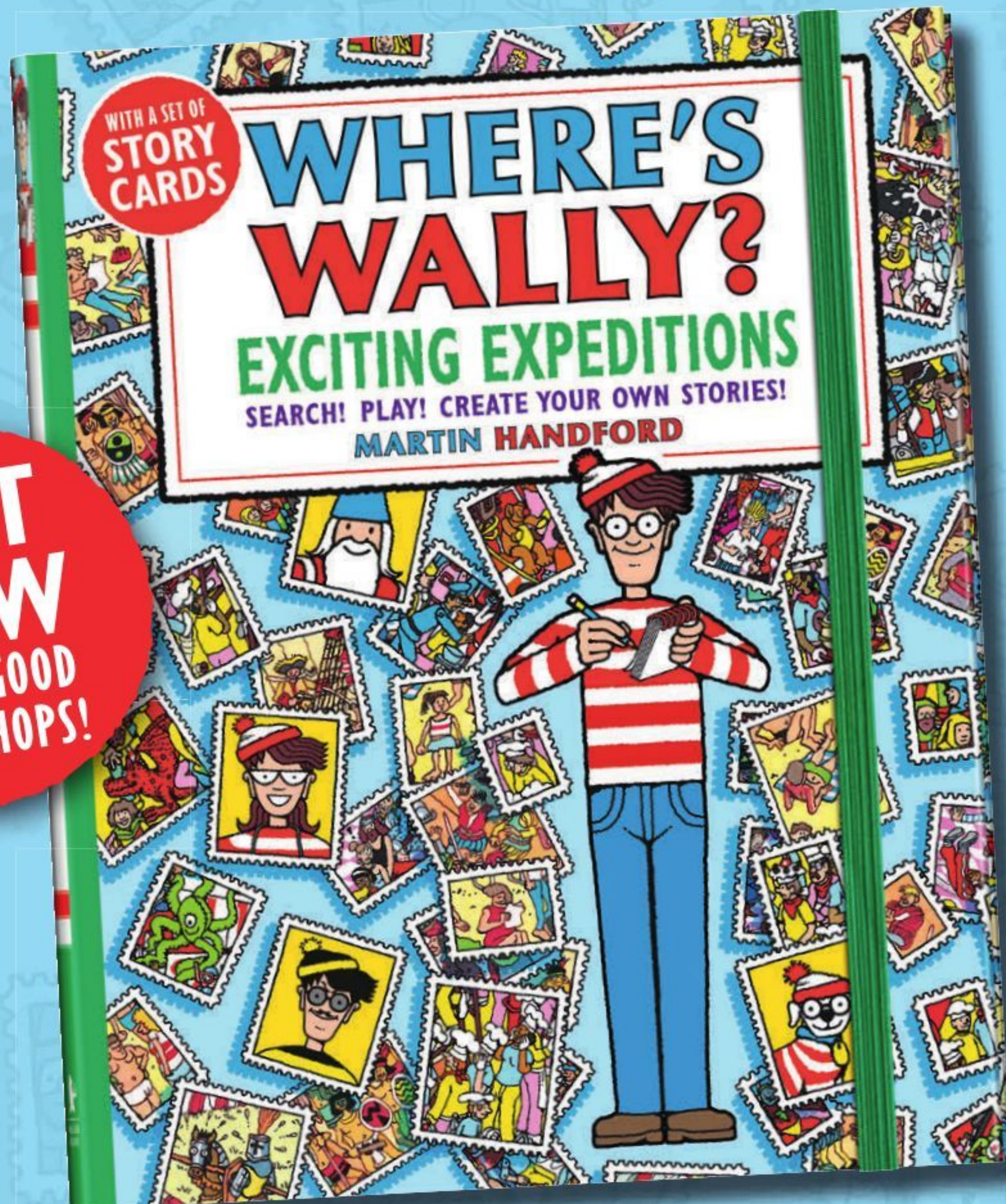
**BOUDICA**






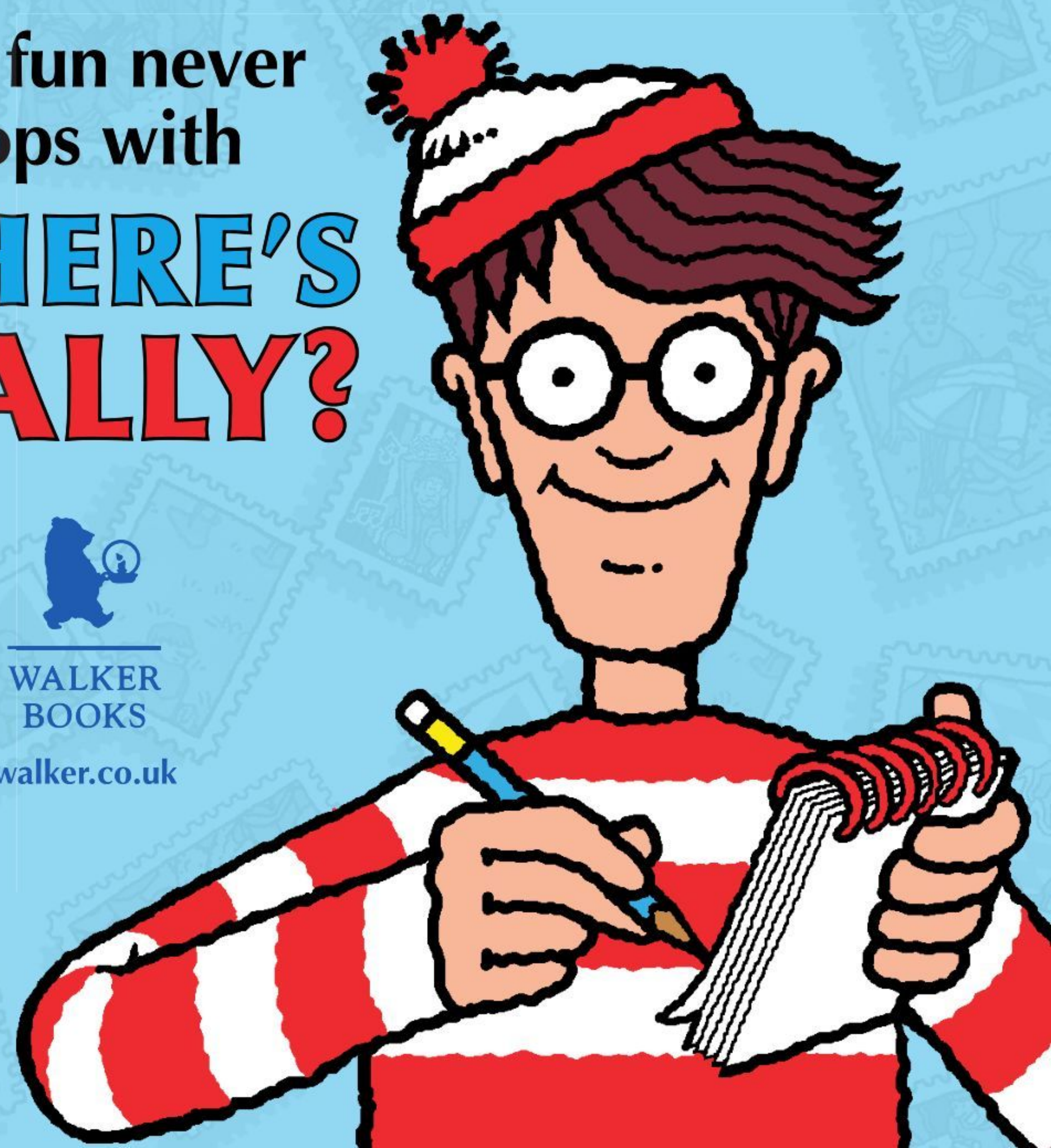
# Get ready for adventure with **WHERE'S WALLY?**

**SEARCH! PLAY! CREATE YOUR OWN STORIES!**



The fun never  
stops with  
**WHERE'S  
WALLY?**

  
**WALKER  
BOOKS**  
[walker.co.uk](http://walker.co.uk)





## Hey Kids,

Our changing climate has been in the news a lot lately, and you may have been wondering how YOU can help. That's why we've put together a whopping list of 40 simple things your family can do to save the world. Go for it, you total heroes!

Meanwhile, history buffs will love learning about warrior Boudica and her blue-painted army on page 26, and all you sleepy heads can find out what your weirdest dreams really mean over on page 36.

And of course we've got all the usual LOL3 comps, puzzles, world records and posters.

Enjoy!

Editor, Tim



## FREE this issue...



## 4 POSTERS!

## Write to NG KIDS

Email [kids@ngkids.co.uk](mailto:kids@ngkids.co.uk)

Post National Geographic Kids, Third Floor, 12-14 Berry Street, London EC1V 0AU

Website [natgeokids.com](http://natgeokids.com)

Facebook [facebook.com/natgeokids](https://facebook.com/natgeokids)

Twitter [twitter.com/natgeokidsuk](https://twitter.com/natgeokidsuk)

Pinterest [pinterest.co.uk/natgeokidsuk](https://pinterest.co.uk/natgeokidsuk)

Instagram [instagram.com/natgeokidsuk](https://instagram.com/natgeokidsuk)



For subscriptions go to [natgeokids.com](http://natgeokids.com)

To find your nearest stockist of NATIONAL GEOGRAPHIC KIDS magazine, please visit [seymour.magzene.com](http://seymour.magzene.com)

National Geographic Society and Creature Media Limited do not endorse any of the products in this magazine. NATIONAL GEOGRAPHIC KIDS is the world's biggest-selling monthly general-interest magazine for children, with a worldwide circulation of 1.7 million in more than 20 countries.

# What's inside...



13

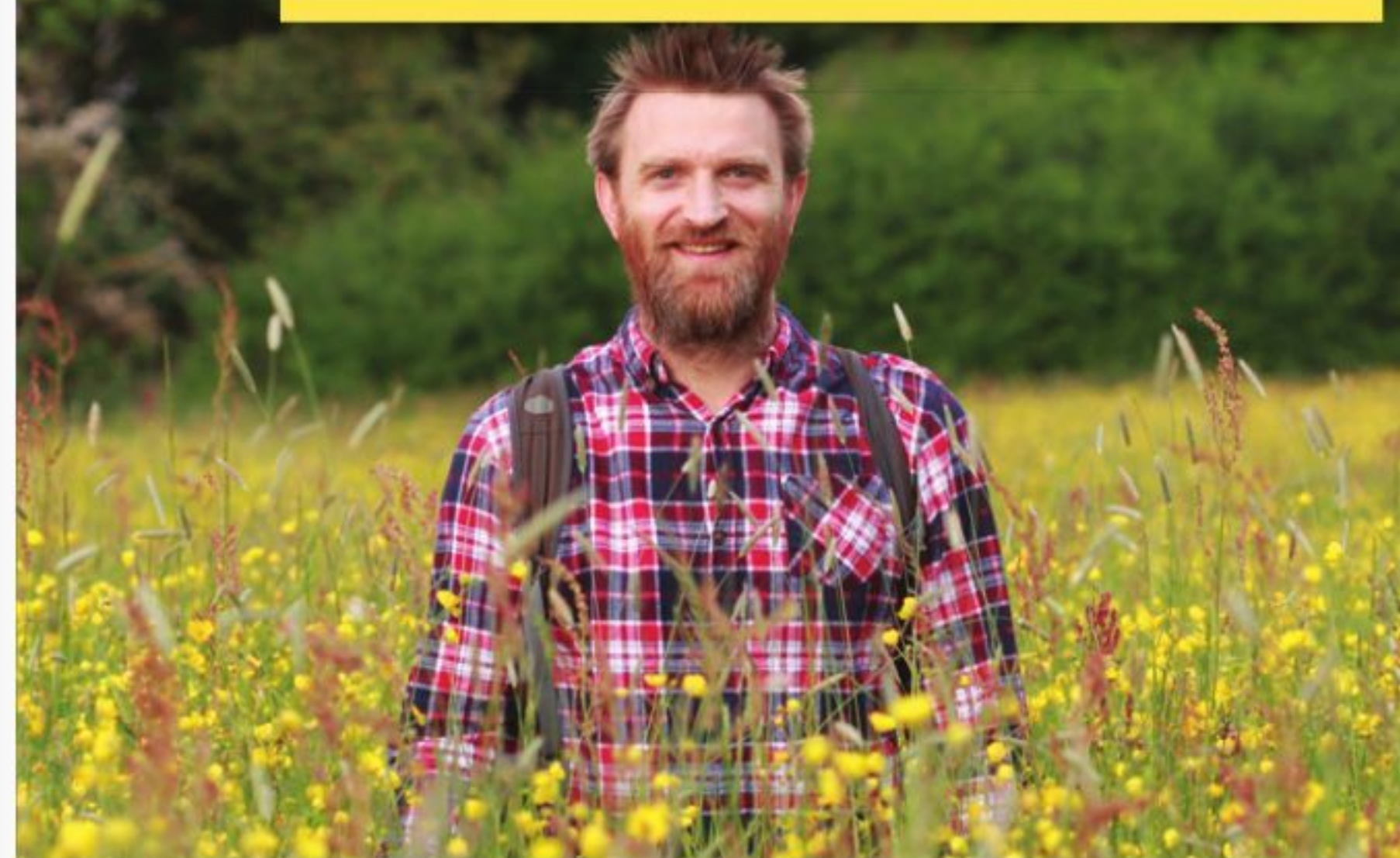
## HOW TO SAVE THE EARTH!

Forty fantastic ways you can help to protect the planet and its species!

22

## THE BIG INTERVIEW

Explorer Dan Raven-Ellison tells us about London's wild side!



26

## HISTORY'S GREATEST HITS

Learn how and why Boudica rose up against the Romans!



36

## DREAM ON

Drift off and discover what your dreams could mean!



40

## WELCOME TO THE UK!

Syrian refugees Marwa and Abdul share their story



## PLUS!

4

**Inside Scoop** All the latest news and events from across the globe...

6

**Wacky World!** There are some bonkers things going on out there!

8

**Big Picture** Spot the odd one out in this birdy scene

10

**What's UP?** This month's best books, movies, exhibitions and TV!

34

## World Wonders Comic

Max is off to Greece this month to explore the Acropolis in Athens

44

## Junior Explorers' Club

Readers tell us what they've been up to!

48

**Win It!** Six cool comps to enter! What could YOU win?!

51

**Fun Stuff!** Tons of brain-boggling puzzles for you to tackle!

54

**Make It!** What will you create with this fun play clay?!

55

## Competition entry form

You've got to be in it to win it, so fill the form in, quick!

56

## Puzzle Answers

Oi, no cheating!

58

**Weird But True** Fantastic facts that'll astound you and your friends!



# INSIDE SCOOP

The latest news from around the globe...

## Beavers to the rescue!



A pair of **Eurasian beavers** have been released into a **North Yorkshire forest**, to see if they can help prevent **flooding in the area**.

The furry **rodents** have been reintroduced to **Cropton Forest** after an absence of **300 years**. It's hoped that over the next **five years** these **habitat engineers** will maintain **artificial wooden dams**, managing the **flow of water**. Their presence should help protect **local businesses** and **homes** from flooding and increase **biodiversity** in the area. If all goes well, it's hoped that more beavers will soon be in other locations stopping floods. *Gnaw-some!*



Release the beavers!

## Climate emergency!



The UK has become the **first country** in the world to declare a **climate emergency** – a big step forward in the fight against **global warming**!

This declaration by the **UK Parliament** is largely down to the efforts of **Extinction Rebellion** – a group of **climate change protestors** who have been holding peaceful **demonstrations** around the UK with the hope of **spurring the government into action**.

According to the **United Nations**, we could have just **11 years** left to prevent a **climate change catastrophe**. This would not only cause **lasting damage** to the **natural world** but also create problems such as **food shortages** here in the UK.

**Members of Parliament** are now calling on the UK government to set a new target of reaching **net zero carbon emissions** before **2050**. But Extinction Rebellion believe that still doesn't go quite far enough.



Young protesters at Manchester Central Library

# 3

## FAST FACTS!

### UFOs

It's **World UFO Day** on **2 July**! But are these quirky sightings in the sky really visitors from outer space? Let's find out more...

**1** The letters **UFO** stand for **Unidentified Flying Object**. The term was first used in the **1950s** by the **US Air Force**. Over the years, 100s of people have reported mysterious objects or lights in our skies, many believing they're **alien spaceships**!

**2** Sci-fi films and TV shows like the **X-files** were extremely popular in the 1990s when many sightings were being reported. Back then, people **didn't have smartphones**, so video and photo evidence was of poor quality.

**3** Despite some blurry footage, there's no real evidence that UFOs are **extra-terrestrial**. Many 'sightings' have turned out to be **clouds, balloons, aeroplanes** or **hoaxes**. And these 'sightings' have more than halved since 2014. Do YOU believe aliens are out there?!



Artist's impression of a 'flying saucer' UFO!



# Cat amongst the squirrels



Pusha loves her unusual infants!



A **cat** has become 'mum' to a ridiculously cute litter of furry babies – **red squirrels**!

When the **four orphaned rodents** were given to **Bakhchisaray Miniature Park** in **Crimea, Eastern Europe**, to be looked after, staff there decided the **perfect foster mum** was **Pusha**, a grey cat.

At first the bushy-tailed babies and their 'mum' were a little wary of each other, but soon Pusha's **motherly instincts** took over and she raised the little rodents along with her **new kittens**, **feeding** and **cleaning** them. It may sound a bit nuts, but we think they're *purr*-fect for each other!

## Poodunnit?



Scientists in **Tennessee, USA** are using **DNA** to track down **naughty dog owners** who don't pick up their pets' poop!

Building owners in the state have been **swabbing** their residents' dogs for DNA and then registering it on a **database**.

Any doggy doo-doo that's found on their properties is then **scooped up** and sent to the lab for analysis. The poo picks up **skin cells** as it passes through the animals' **intestines**, so scientists are able to match those cells to DNA on their database, finding out whose hounds have been soiling the ground! Scooper sleuthing!



## Dragon Boat Festival

JUNE

7

For more than **2,000 years**, people in **China** have celebrated the **fifth day of the fifth lunar month** by racing **dragon-shaped boats** and scoffing pyramid-shaped **sticky rice dumplings** called **zongzi**!

The **Duanwu Festival** (as it's also known) is said to be held in honour of a **great poet** named **Qu Yuan**, who in **278 BC** drowned himself after being exiled by the Emperor. According to legend, the local villagers were **devastated**, and rushed their boats into the river to try to **recover his body**, beating drums to **drive evil spirits away**. Ever since then, boat races have been held throughout China.

The long wooden boats are powered by up to **50 rowers**, who keep in time to their **drummer's beat**!

**CRAZY  
EVENT**

# MAKE IT A DATE

## What's going on this month?



JUNE 17-23

### Refugee Week

Learn more on page 42



JUNE 21

### International Day of Yoga

Do the downward dog!



JULY 1-14

### Wimbledon

Who'll top this terrific tennis tournament?



JULY 4

### Independence Day

Party time in the USA!



JULY 6-28

### Tour de France

On yer bikes!



# WACKY WORLD!

Check out the planet's strangest pictures...

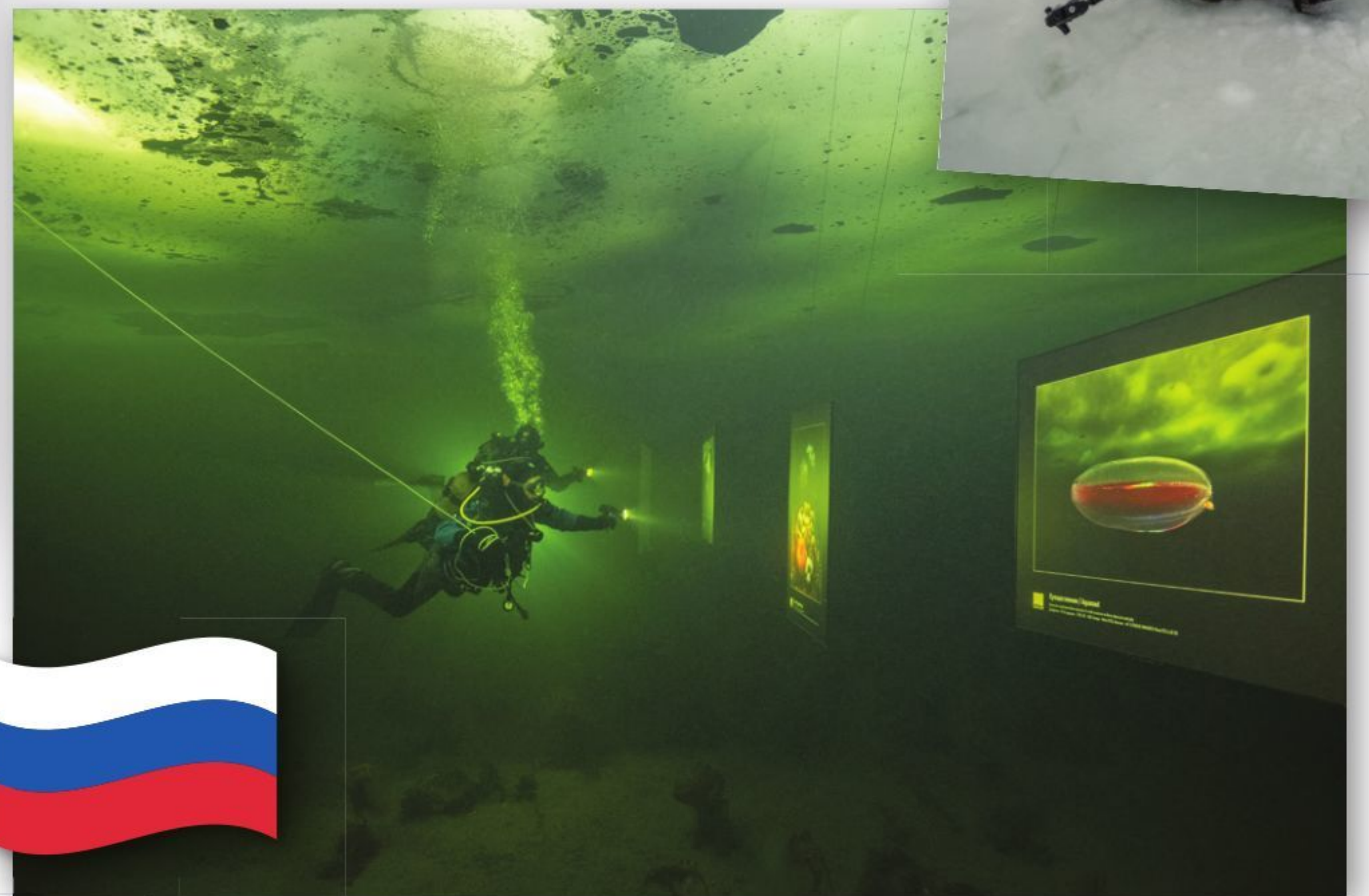


## Sea of saris

This strip of land on the banks of the **Barakar River**, in **Kumardubi, India**, is covered in colourful **saris**, items of traditional women's clothing. "More than **5,000 saris** are washed and dried here every day," says **Avishek Dasand**, who took the picture. What a bright sight!

## Freeze frame

An incredible **under-ice art gallery** has been set up in the **Arctic Circle, northern Russia**. Photographer **Viktor Lyagushkin's** pictures are weighted down and hung from ice in the **White Sea**, so divers can take trips down into the chilly water to view them. *Brrr-illiant idea!*



## Great grandma!

Meet **Betty Bromage**, grandmother extraordinaire! The **daredevil pensioner** celebrated her **90th birthday** in April by flying from an airfield in **Gloucestershire** strapped to the wings of a biplane! Betty, who now plans to hurtle down a **160-kmph zip-line** in **Snowdonia**, is raising money for the care home in **Cheltenham** where she lives. Would your nan be so brave?!



## FIERY GREETING!

Scientists **Aoife Raleigh** and **Maria Corcoran** starred in a crazy **circus science show** at the **Edinburgh Science Festival** recently. Looks like they were on fire!



## CINEMAZING!

A **virtual reality cinema** has opened in **Beijing, China**. Movie-goers sit in **spherical seats** and wear **headsets** to watch the films. Cool!



## MADE OF MONEY!

The crazy costume, spotted at a fashion show in **New York, USA**, looks like a million dollars. Well, erm, **\$1**, actually.







# GROW A FOREST FROM THIS MAGAZINE

At Yorkshire Tea we've planted millions of trees over the years  
- and we want to plant a million more by 2020.

Scan the Shazam code to see trees grow out of this page  
and discover why trees are proper important.



DOWNLOAD / OPEN SHAZAM



TAP CAMERA



SCAN THIS CODE





THE

# BIG PICTURE

NAT GEO KIDS'  
image of the month







## Stand out from the crowd



Ever felt a little out of place? Well, imagine being in this penguin's shoes! The lone adult **king penguin** is surrounded by hundreds of cute, fluffy and very noisy **chicks**! **South African** photographer **Chris Oosthuizen** took this remarkable picture at a **breeding colony** on **Marion Island** in the **Southern Indian Ocean**. He spent a year on the remote island, north of **Antarctica**, researching **seals** and **orcas**, and his stunning image was **overall winner** in the **British Ecological Society's** photography competition, **Capturing Ecology**. Well done, Chris!

● Visit [tinyurl.com/BESphoto2018](https://tinyurl.com/BESphoto2018) to see the other winning images.



# WHAT'S UP?

Films, events, TV and books to get excited about this month...

ENTER ALL COMPS ON PAGE 55!



## Toy Story 4

The talking toys return for a brand-new adventure – and this time they're hitting the road!

**Cowboy Woody** has always been a loyal toy, whose main aim is to take care of his human kid. So when a new homemade toy called **Forky**, wants to return to the trash, Woody tries to explain why **life as a plaything is great**.

But after an unexpected reunion with his long-lost pal **Bo Peep**, who has been living happily without an owner for years, Woody starts to rethink what being a toy really means...

● In cinemas 21 June



New toy Forky (far right) is freaking out! Can Woody (far left) help?!



Here's Henry!



## Amazon Adventure 3D

Ever heard of **Henry Walter Bates**? This intrepid explorer spent **11 years** exploring the **Amazon rainforest** in the **1850s**, identifying **8,000 species** that were new to science! Join his journey of discovery in this stunning **3D film**, which tells the **true story** of his adventures. You'll

spot some **mind-boggling creatures** which mimic **plants or animals** to help them survive – like this crazy spider (left)!

● Screening at **BFI IMAX in London**, and **Cineworld IMAX at the Glasgow Science Centre** until March 2020



## Thunderbirds Are Go!

The **International Rescue** team are back for a bunch of **life-saving adventures** around the world – and beyond! This all-new **series** sees them tackle the destructive **Chaos Crew**, respond to a **mysterious distress signal** and explore **deep space**! Plus, meet no-nonsense biologist **Helen Shelby** who has designed a replacement for the polluted **Great Barrier Reef**. Epic!

● Saturdays at 8:00am on **ITV & CITV** until 13 July

**WIN!** Two winners will scoop a **bundle of goodies**, including **three DVDs**, some **Thunderbirds Are Go** face masks, a **poster** and a **notebook**!

Q What's the last name of the brothers who run International Rescue?

a) Tracy b) Sharon c) Beverly

The team venture underwater on a coral-reef rescue!





KEY



Show



Movie



DVD



App



Book



TV

## Beasts of London

Loads of **animals** have called **London** home over the centuries, and this immersive new show at the **Museum of London** introduces you to several of them, complete with **celebrity voices**! Meet some **city beasts** who got a **bad deal**...

### RATS

A popular 'sport' in **1800s London** was to put a **dog** and up to **200 rats** in a pit, and then **bet** on how many rats the dog could kill. The poor rats were caught **outside London**, as they were **cleaner** and didn't smell as much as the city's sewer rodents.

### HORSES

Some **police officers** in London **still ride horses today**, but before the invention of cars, **horses** were the transport for **everyone**, from **rag-and-bone men** to **aristocrats**. They even pulled **fire trucks**. Being a **cart horse** was a hard life!

### PIGEONS

These grey birds have lived in the capital for more than **1,000 years**, and were once used for their **eggs** and **meat**! Many used to live in **Trafalgar Square**, but their **poo** made so much mess that in **2003**, **Harris hawks** were brought in to chase them away.

● **Beasts of London** is at the **Museum of London** until **5 January 2020**



## Your book reviews



### Bloom Nicola Skinner

One day, **Sorrel Fallowfield's patio breaks in two**, revealing a **mysterious pack of seeds**. The seeds start **spreading their magic** about her town, but not everyone is happy about it.

There were lots of great characters, but my favourite was Sorrel's best friend **Neena** because I liked her **spirit** and her **love for science**. Interesting details and **illustrations** made the story come to life. The best bit was when one of the character's heads erupted into lots of **beautiful flowers**!



Liliias, 8

### Fing David Walliams

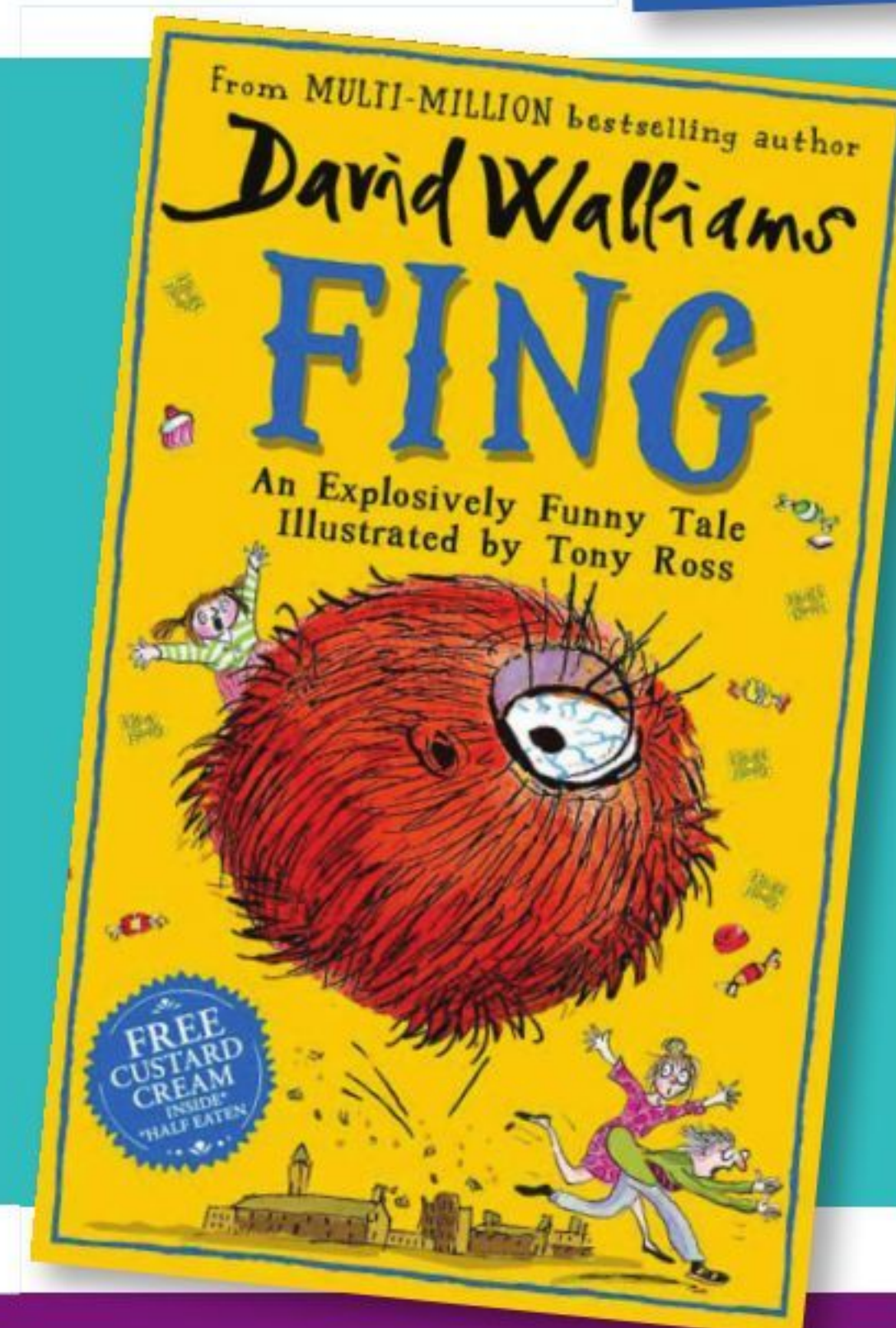
**Fing** is about a little girl who **likes to get her own way**. She is **evil** to her parents **Mr and Mrs Meek**.

One day she declares she wants a 'fing' and so the Meeks go on a quest to find one – whatever it is...

My favourite character was **Fing** because it was very **silly** and **funny**. The best bit was when **Fing bounced**. You will want to keep turning the pages of this funny book!



Charlie, 6



### Check Mates Stewart Foster

**Felix** is struggling at school, so his mum suggests he spends time with his **grandfather**, who tries to teach him to play **chess**.

I love the fact **Felix learns chess without even realising it**, by doing **household chores**! The grandad has a **crazy back story** which isn't revealed until the end of the book, so it kept me in **suspense** the whole time, and there are loads of **unexpected twists**. I found it touching, but I wished there had been **more emotion** in the first half of the book.

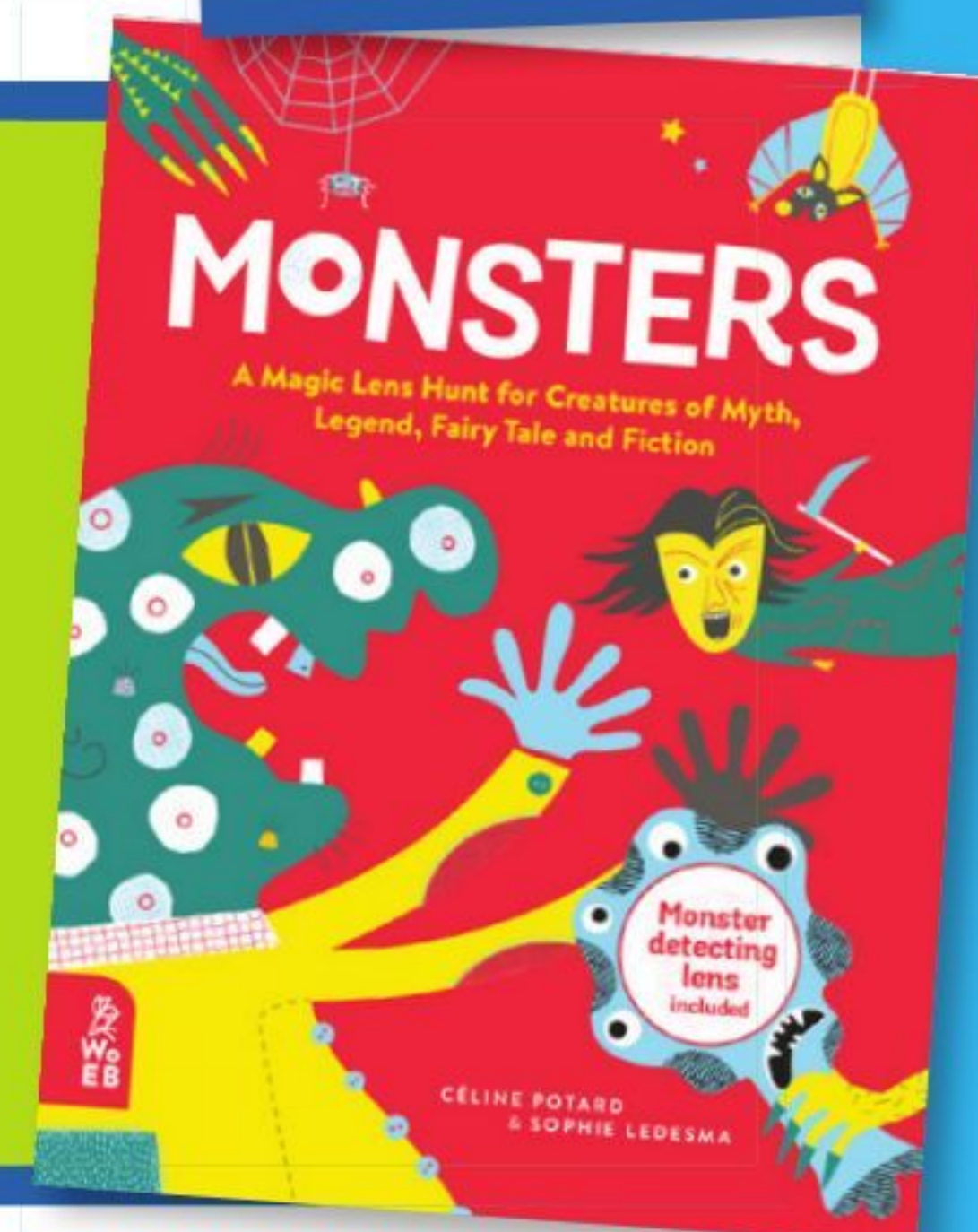


Jessica, 9

## FACT BOOK OF THE MONTH

### Monsters: A Magic Lens Hunt for Creatures of Myth, Legend, Fairy Tale and Fiction

Our 'fact' book this month is all about **made-up creatures**, but we thought it was cool enough for the top spot! Using a **magic monster lens**, you can search for **hidden beasts** among the quirkily illustrated pages, discovering where they **lived**, their **ghastly origins** and **foods**. Prepare to meet legends from **Greek myths** such as **Medusa the snake-haired Gorgon**, and modern-day characters like **Lord Voldemort** from **Harry Potter**. Eek!



According to **Greek mythology**, **Medusa's hair** was turned into **snakes** by the **Goddess Athena** as **punishment** for her **vanity**. Everyone she looked at was **turned to stone**. Yikes!

## WIN!

Five winners will bag **all four books** on this page! For your chance to win, answer this question...

Q What does a plant or tree do when it produces flowers?  
a) Blames b) Blimeys c) Blooms



# Do you know someone who loves dolphins?

From £4  
a month

## Adopt a dolphin today and you'll be helping to give the amazing dolphins of Scotland's Moray Firth a future

The survival of these intelligent and charismatic dolphins is threatened. This population is just under 200 individuals. Your support will help protect these individuals from threats including oil and gas exploration and production, chemical pollution and fishing. You will receive lots of stuff

including a personalised certificate with a picture of your dolphin, a set of fun stickers and a colourful WDC badge. We'll keep you up to date on their daily lives through a great quarterly magazine SPLASH!, a monthly e-newsletter and you'll receive an email birthday and Christmas card.



## You can adopt:



### Kesslet

Kesslet was born in 1994 and has fended for herself from a young age. Kesslet is a great hunter and is often seen teaching her calf Charlie all the tricks of being a wild, free dolphin.

or



### Mischief

Mischief is amazingly agile for such a big dolphin. He is very friendly and always seems to be in a party mood! He's also a powerful hunter who can outrun even the biggest salmon.

To find out more visit [adoptadolphin.com](http://adoptadolphin.com)





WELCOME TO THE

SPECIAL

# SAVE THE EARTH

ATTENTION ALL EARTH LOVERS!

We all know this planet is an **amazing place to live** – but it **needs our help**.

This special **Save the Earth** issue focuses on **four major environmental challenges** facing our planet – **climate change, pollution, habitat destruction** and **declining biodiversity**.

The next eight pages are packed with information about each topic – plus **tons of tips** on how you can pitch in and help. If every single Nat Geo Kids reader takes action, just think what we could accomplish!

So let's get going – there's a **planet to protect...**

Fly on to find out how **YOU** can be a planet-saving superhero!

Wind turbine, polar bear and pangolin © Getty Images UK; Earth © NASA GSFC. All other images © Shutterstock.



# SPECIAL SAVE THE EARTH ISSUE

## Climate Change

Find out what it is and how to make a difference!



Polar bears rely on sea ice for resting and hunting. But lately it's been shrinking, and soon the Arctic may be ice-free during summer.



We know you love watching videos on your phone. But modern activities – such as **plugging in devices, driving cars** and **heating homes** – often rely on energy sources such as **natural gas, oil** and **coal**, also known as **fossil fuels**. When burnt, these energy sources release a gas called **carbon dioxide (CO<sub>2</sub>)** into the **atmosphere**.

### RIISING TEMPERATURES

CO<sub>2</sub> and other so-called '**greenhouse gases**' **trap heat** that would otherwise **escape Earth's atmosphere**, causing the **planet's temperature to rise**. That's called **global warming**, which causes **climate change**. According to NASA, the Earth's average surface temperature has increased about **1°C** over the past 140 years, making **2018** one of the **hottest years ever recorded**. Most scientists expect the climate to warm another **0.3°C** to as much as **4.7°C** by **2100**.

### WHAT'S THE BIG DEAL ABOUT A LITTLE EXTRA HEAT?

Those temperature increases may seem small, but they will cause **glaciers** and **polar ice sheets** to **melt**, and rising **sea levels** could threaten **coastal areas**. **Coral** will also be damaged. Other changes to the Earth's climate include **harsher droughts, stronger hurricanes**, and shifting **wind** and **ocean patterns**. Fortunately, **YOU** can make a difference...

# 10 ways to save the Earth from CLIMATE CHANGE

1

### Used goods are good

**Reduce and reuse** as much as possible. Factories emit **carbon dioxide** when making new products. So instead of buying new stuff, **fix your appliances** and **mend your clothes**. Good thing **holey jeans** are in style!



Solar is the world's fastest growing energy source.

2

### Hot and cold

Feeling chilly? Wear a **warm jumper** instead of turning up the heating. And if you're too hot, **open your windows**, instead of blasting the **air conditioner**.



3

### Eat your greens

Livestock such as **cows** produce much of Earth's heat-trapping gas emissions. (Yep, from their **farts**!) Eating **less meat** and **dairy** and consuming **more plants** cuts down on the need for so much livestock.



1 © Jeff Zehnder / Shutterstock; 2 © Cookie Studio / Shutterstock; 3 © Nate Allred / Shutterstock; 4 © Alex Staroseltsev / Shutterstock; 5 © Katalinks / Shutterstock; 7 © Goir / Shutterstock; 8 © LZ Image / Shutterstock; 9 © Mike Flippo / Shutterstock; 10 © iofoto / Shutterstock;

Polar bear © Jeff Vanuga / Getty Images; Koala © Koala Julian W / Shutterstock; Salamander © Michael Redmer / Getty Images; Coral © Damsea / Shutterstock; Liwi © Michael Ord / Getty Images; Butterfly © Sari O'Neal / Shutterstock.



4

**Season your fruit**

Try to eat mostly **in-season** and **locally-grown** fruits and **vegetables**. This cuts down on the **energy** used to **grow** and **transport** food, which reduces the release of heat-trapping gases.



5

**Slay the vampire**

'Vampire' appliances suck energy even when turned off. Kill these monsters by **unplugging** phone and **laptop** chargers when not in use, and use **power strips** for lamps and TVs. (It'll cut your parents energy bills, too!)

Rotting rubbish in landfills is the third leading cause of human-created methane emissions in the USA.

6

**Close the door**

If you see a business with its **door wide open** in the **summer**, ask an adult to help you talk to the manager about closing it. An open door to an **air-conditioned** building can waste **2.2 tonnes of CO<sub>2</sub>** over one summer. That's as much as a car on an **8,000-km** road trip!

7

**Spread the word**

Write a **letter** to the **editor** of your local **newspaper** about climate change. The more people read about the issue, the better!



8

**Calculate your impact**

Use an **online carbon footprint calculator** to see how much **CO<sub>2</sub>** your actions release. If you know how you're impacting the planet, you can **take steps** for change.



9

**Air dried**

Hang up your freshly washed clothes to dry. You'll be saving energy by **not using** the **tumble dryer**.



10

**Walk it out**

**Cycle or travel on foot** as much as you can. Biking or walking just **1.6km a day** for a year could save **150kg of CO<sub>2</sub>** – that's the same as planting **four trees** and letting them grow for **ten years**!



## FIGHT CLIMATE CHANGE SAVE ANIMALS!

**KOALA****WHERE THEY LIVE:**

Eastern Australia

**WHY THEY NEED HELP:**

Heat waves and droughts cause animals to **change their natural behaviour**. Koalas usually get **water** from their **leafy diet**. But a warmer climate means **drier leaves**, which forces koalas to come down from **eucalyptus trees** to **search for water**. And that can expose them to **predators**.

**RED-CHEEKED SALAMANDER****WHERE THEY LIVE:**

Mountains of North Carolina and Tennessee, USA

**WHY THEY NEED HELP:**

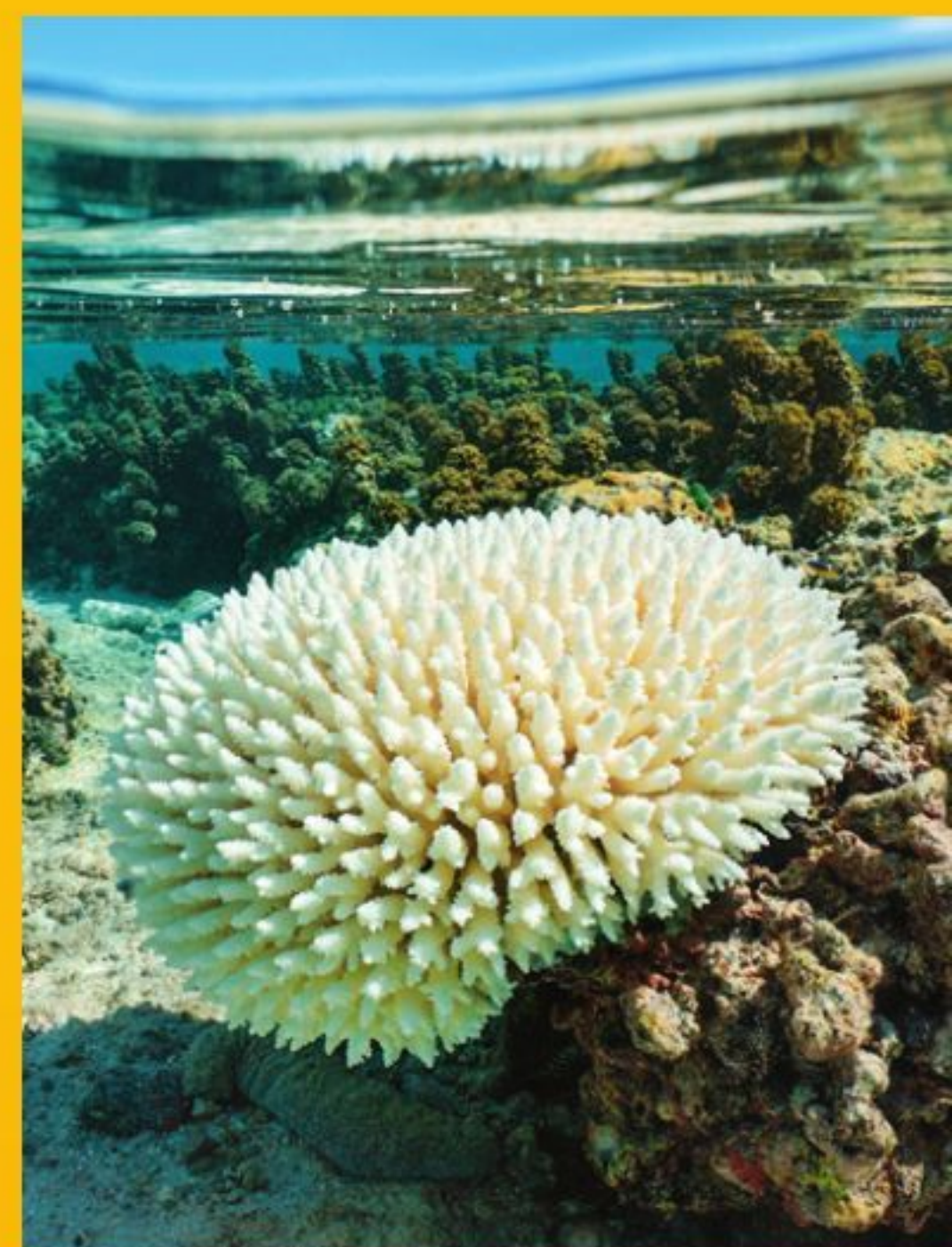
These **salamanders** only live at the top of the **Great Smoky Mountains**, where the air is **cool** and **humid**. As the climate changes, the salamanders' habitat may become too **warm** and **dry** for them.

**CORAL****WHERE THEY LIVE:**

Tropical oceans

**WHY THEY NEED HELP:**

When **ocean temperatures rise**, **coral** release the algae that live inside them. Because coral eat the carbohydrates that algae produce, the **coral loses its main food source**. This turns the coral completely white (called **bleaching**) and they may die.

**IIWI****WHERE THEY LIVE:**

Some of the Hawaiian Islands

**WHY THEY NEED HELP:**

Just one bite from a **mosquito** carrying malaria can kill an **iiwi**. Usually, these birds are safely out of the range of mozzies in their **cool, mountainous habitat**. But climate change will make the island peaks warmer, bringing more bugs.

**MONARCH BUTTERFLY****WHERE THEY LIVE:**

The Americas, Australia, Indonesia, and parts of Europe

**WHY THEY NEED HELP:**

**Monarch butterflies** use **temperature** to figure out when to **migrate**, **reproduce** and **hibernate**. Any changes in climate could impact their life cycles.

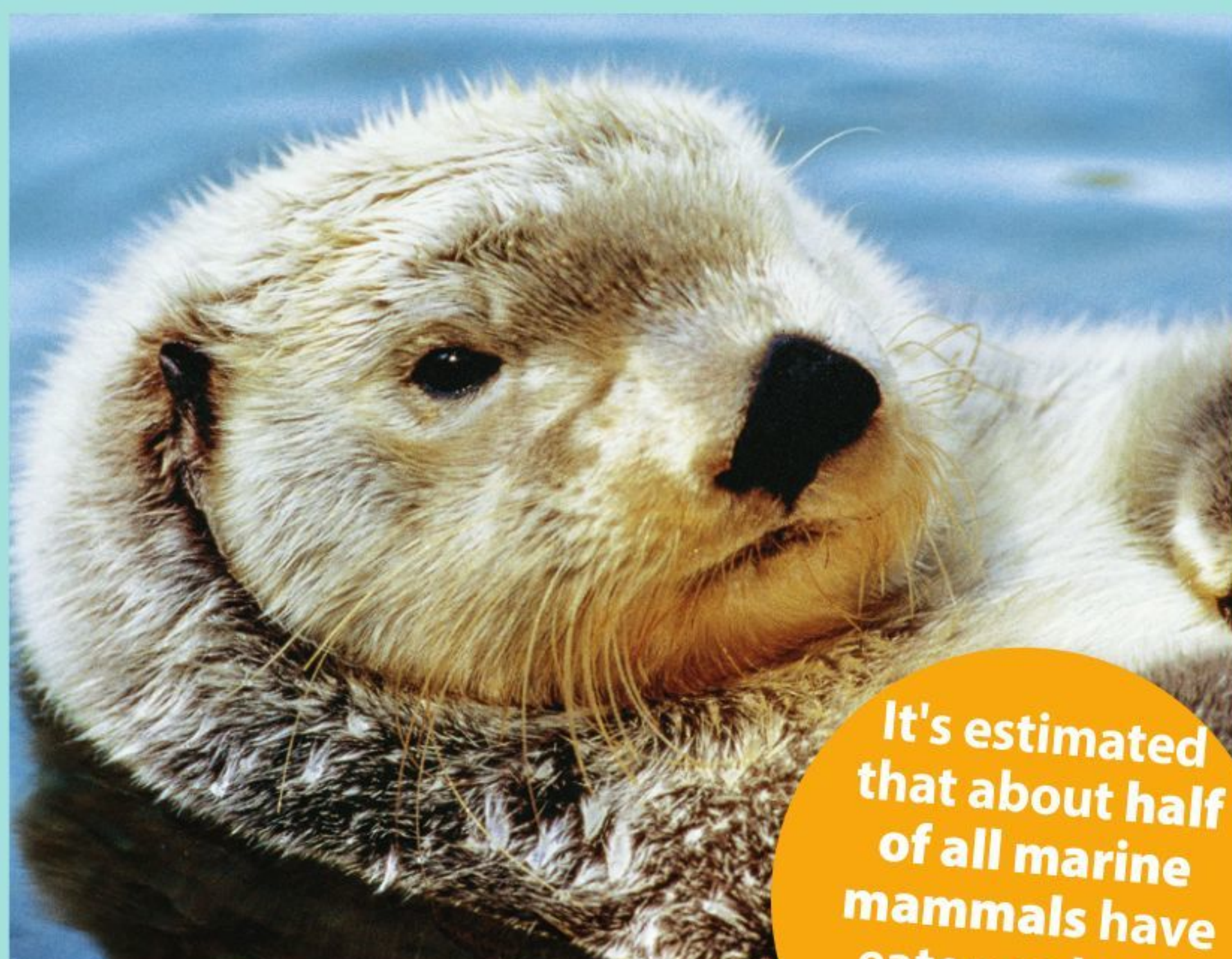




# SPECIAL SAVE THE EARTH ISSUE

## Pollution

How human waste is mucking up the planet!



It's estimated that about half of all marine mammals have eaten or been trapped by plastic..



You can probably **clean your room** in a couple of hours. But sadly you can't just sweep **Earth's mess** under the bed. It's easy to blame factories for pollution, but much of the mess comes from **everyday human activities** like **car exhausts** and **excess rubbish**. So we all need to pitch in and help **clean up the planet!**

### THE PLASTIC PROBLEM

**Plastic drinks bottles, yoghurt pots and straws** are used just **once**, but they can remain in the environment for **years**. This throwaway plastic is different from paper or food waste because it **never fully decomposes**. Instead, it often ends up in water, where it releases **toxic chemicals** and can be **mistaken for food** by animals. Scientists estimate that **8.8 million tonnes** of plastic enter the ocean every year.

### CLEANING UP OUR ACT

Plastic trash isn't the Earth's only pollution issue. **Oil** accidentally **spilling into the sea**, farming products like **fertilisers** and **pesticides seeping into the soil**, and even excess **noise** and **light** can pollute the environment. The sounds made by ships **mess with whale calls**, and bright lights can **confuse animals** such as **birds** and **newly-hatched sea turtles**.

Here's how to cut down on your own **personal waste** and make a difference...

# 10 ways to save the Earth from POLLUTION



1

#### Bin for the win

Always throw rubbish in the **bin**. Waste left outside might **harm wildlife** and end up in the **ocean**. If you can't find a bin, **take the trash home with you!**

2

#### Scrap junk mail

Is your house full of **mail** from places like **banks** and **utility companies**? Ask your parents to sign up for **online alerts** instead, saving on both **paper** and **ink**.

3

#### Say no to single-use

Drink from a **refillable water bottle**, place your **sandwich** in a **reusable container**, and use a **bar of soap** instead of shower gel from a plastic bottle.



4

#### Bust the balloons

Balloons eventually **fall back down to Earth...** and can end up in the **ocean**, **entangling animals** or being **mistaken for food**. Skip the balloons at your next party, and ask friends to do the same.

5

#### Trash trooper

Take part in a **community cleanup**. There are **litter-picking events** all around the UK and Ireland, so you can have fun and help clean our **streets, parks and beaches**. Head to [keepbritaintidy.org](http://keepbritaintidy.org) or [litteraction.org.uk](http://litteraction.org.uk) and get involved!



Around the world, people throw away roughly **four million tonnes** of rubbish every day – that's enough to fill **ten Empire State Buildings**.





One study found that 90% of seabirds eat plastic rubbish.

6

### Fish responsibly

If you go fishing, **don't leave nets or lines** in the water. Animals can become entangled in them.

7

### Recycle right

In **2017-18**, people in the UK **recycled** about **43%** of their waste – up from just **11%** in **2000**! But we still need to do more, so **recycle** what you can at home, such as **plastic and glass bottles, cans, newspapers, magazines** and other **paper**.

8

### Stuffed with stuff

Items shipped to your home often come **wrapped in plastic packaging**, and toys bought in shops are covered in it. Think about what can be bought **secondhand**, what can be **shared**, and what **doesn't need to be purchased at all**.

9

### Do-good goodies

Don't fill your **birthday goody bags** with **plastic yo-yos** and other throwaway trinkets for your friends. Instead, give them **homemade treats** – why not try the **play clay** on page 54?!

About 95% of food that could be composted (naturally broken down) ends up in landfills.



10

### Straw sense

Experts estimate that we use **8.5 billion plastic straws** in the **UK** each year, and they're one of the **top ten trash items found during ocean cleanups**. If you must use a straw, find a **reusable metal straw** or a **paper version**.

## FIGHT POLLUTION SAVE ANIMALS!

### AFRICAN PENGUIN

#### WHERE THEY LIVE:

Coast of southern Africa

#### WHY THEY NEED HELP:

**Oil** leaked accidentally into the ocean can **burn penguins' skin**, which makes swimming difficult. The oil can also **poison** them.



### EASTERN SPOTTED SKUNK

#### WHERE THEY LIVE:

Central and southeastern USA

#### WHY THEY NEED HELP:

**Skunks** can get their **heads trapped** in rubbish such as **yoghurt containers**.



### LAYSAN ALBATROSS

#### WHERE THEY LIVE:

Islands of the Pacific Ocean

#### WHY THEY NEED HELP:

These birds – like many sea animals – **mistake plastic for food**.



### RUSTY PATCHED BUMBLEBEE

#### WHERE THEY LIVE:

Eastern and upper midwestern USA

#### WHY THEY NEED HELP:

**Bees** absorb **toxins** from **pesticides** through their **exoskeletons**. Toxins can also be in the **nectar** and **pollen** that the bees eat.



### IRRAWADDY DOLPHIN

#### WHERE THEY LIVE:

Coastal and fresh waters in southeastern Asia

#### WHY THEY NEED HELP:

These endangered **dolphins** can drown when they become **entangled in fishing nets**.



1 © Myimages-micha / Shutterstock; 3 © Nokuro / Shutterstock; 4 © Stephen Bonk / Shutterstock; 5 © Ariel Skelley / Getty Images; 6 © Shawn Jackson / Dreamstime; 10 © Kaniitha Boon / Shutterstock;

Penguin © Sergey Uryadnikov / Shutterstock; Skunk © Thomas Lazar / Nature Picture Library; Albatross © Jared Hobbs / Getty Images; Bumblebee © Clay Bolt / Minden Pictures; Irrawaddy dolphin © Roland Seitre / Minden Pictures.



# WHAT IS AVAXHOME?



# AVAXHOME-

the biggest Internet portal,  
providing you various content:  
brand new books, trending movies,  
fresh magazines, hot games,  
recent software, latest music releases.

Unlimited satisfaction one low price

Cheap constant access to piping hot media

Protect your downloadings from Big brother

Safer, than torrent-trackers

18 years of seamless operation and our users' satisfaction

All languages

Brand new content

One site



# AVXLIVE ICU

AvaxHome - Your End Place

We have everything for all of your needs. Just open <https://avxlive.icu>



# SPECIAL SAVE THE EARTH ISSUE

## Habitat Destruction

**Animals' homes are being threatened by humans!**



Jaguars' territory has shrunk by more than 50% in the past 100 years.



Just like people, **animals need homes**. But when too many **forests are cleared** to **plant crops**, **build roads** and create **buildings**, and too many **seabeds are destroyed** to **gather fish**, creatures struggle to survive. This is called **habitat destruction**.

### LIVING ON THE EDGE

According to the **International Union for Conservation of Nature (IUCN)**, habitat loss is the main threat to about **85% of all endangered plant and animal species**. When **rainforests**, **grasslands**, **underwater habitats** and **wetlands** are destroyed, that means **less space** for animals to **feed**, **breed** and **raise their young**.

### SHARING WITH WILDLIFE

Finding a **balance** between what **humans** and **animals need** will help prevent habitat destruction. Some scientists think that if we put aside **half of Earth's land and water for nature**, we could save up to **90% of all species**. In the meantime, your **everyday actions** can build a better planet...

The WWF estimates that about 50% of the world's wetlands have disappeared since 1900.

# 10

## ways to save the Earth from HABITAT DESTRUCTION

### 1

#### Visit parks

Your attendance matters! National parks across the UK rely on **visitors' money** to top up **funding from the government**. This money can help support **conservation work**.

Only about 15% of Earth's land and 3% of Earth's oceans have been protected.

### 2

#### Money makes a difference

Host a **bake sale**, hold a **car boot sale** or sell **homemade jewellery** to **raise funds** for your favourite **wildlife charity**.

### 3

#### Pick your paper

People cut down about **15 billion trees every year**, some of it to make **paper**. Save your sheets by **using both sides**, buying **recycled paper**, and asking your teacher to sometimes switch from printed homework to **online assignments**.

### 4

#### Tech turnaround

**Mobile phones** and **computers** contain a **mineral** mined from **African habitats** where **gorillas** and **chimpanzees** live. The minerals can be reused, so always **recycle your tech**. This will also stop **toxic chemicals** from your phone **polluting soil** and **water** near **landfills**. Bonus! Charities such as **Oxfam** run phone recycling schemes – check out [tinyurl.com/oxfamphones](http://tinyurl.com/oxfamphones)

Tropical rainforests cover only about 7% of Earth's land, but they're home to around 80% of all species.





5

### Everything in its place

It's fun to look for frogs and slugs under logs – but always put the logs back. Rocks, leaves and tree trunks are homes for lots of tiny animals, so it's important not to destroy them.

Small animals like frogs, bats and hummingbirds are more at risk of extinction due to habitat destruction than larger animals.

6

### Flush clean

Only flush **your own waste** and **toilet paper** down the loo – **no medicine, wet wipes, cotton balls, paint or pet poo**. This trash could eventually travel into the **water system** and affect the animals that live there.

7

### Farewell to fertiliser

Plant fertiliser can dump **extra nutrients** and **chemicals** into the **water system**, **polluting** the environment. If your parents insist on using fertilisers, encourage them to only use **eco-friendly** ones, or try **compost, coffee grinds** or **manure**.

8

### Flower power

Ask your parents to plant **local trees, flowers, and shrubs** to provide habitats for **native bees, birds** and other animals.



The trees cut down each year would cover a land area about half the size of England.



9

### Watch your water

**Conserve** water by taking **five-minute showers**, turning **off the tap** when you **brush your teeth** and bugging your parents to **fix leaky pipes**.

10

### Choosey chocolate

**Palm oil** is often used in products like **chocolate, soap, ice cream, biscuits** and **shampoo**. But some **rainforests** are being **destroyed** in order to **grow the trees that produce palm oil**. Try to avoid buying products that use it, or look for a label that confirms the ingredient was grown in a **sustainable, rainforest-friendly** way.

## FIGHT HABITAT DESTRUCTION SAVE ANIMALS!

### LEHMANN'S POISON FROG

#### WHERE THEY LIVE:

Colombia,  
South America

#### WHY THEY NEED HELP:

People cut down the frog's **forest habitat** for **logging** and **agriculture**.



### BORNEAN ORANGUTAN

#### WHERE THEY LIVE:

Borneo, an island in  
Southeast Asia

#### WHY THEY NEED HELP:

Over **half** of this **orangutan's** habitat has **disappeared** in the last **20 years**, in part to build **palm oil plantations**.



### LINED SEAHORSE

#### WHERE THEY LIVE:

Off the east coast of  
the Americas

#### WHY THEY NEED HELP:

People fishing for **shrimp** often **drag nets** along the **ocean floor**. That can destroy the **seagrass beds** and **mangrove forests** where **seahorses** and other animals live.



### CERULEAN WARBLER

#### WHERE THEY LIVE:

North and South America

#### WHY THEY NEED HELP:

The **cerulean warbler's** **forest home** is used for **planting crops, mining coal** and **building homes** for people. As a result, the species has decreased by about **70%** in the last **40 years**.



### AMERICAN BISON

#### WHERE THEY LIVE:

Isolated spots in Canada,  
the USA and Mexico

#### WHY THEY NEED HELP:

**Bison** were **nearly hunted to extinction** in the **mid-1800s**. Since then these mammals have made an impressive comeback, but they still live on **less than 1%** of their original range because their **grassland habitat** is used for **livestock, agriculture** and **building homes**.







# Declining Biodiversity

What it is and why it's important!



A healthy planet is full of millions of different species of plants and wildlife that all play important roles in their habitats. That's called **biodiversity**. But removing – or adding – just one species can affect the entire ecosystem, often with bad results.

## HERE'S AN EXAMPLE...

**Green sea turtles** love to chomp on **sea grass** – but they can't hang out in one spot for too long because **tiger sharks** patrol the area, **hunting** for sea turtles. Without tiger sharks, sea turtles would eat **all** the sea grass, **destroying that habitat** for all the **other animals** that depend on it. If one species – turtle, shark or sea grass – disappears, **other plants and animals** that are connected to that species could go **extinct**, too.

## KEYSTONE SPECIES

An environment works best with a **wide variety of species**. Some animals such as sharks are especially important to protect. Scientists call these animals **keystone species** because they're the **key to keeping whole ecosystems healthy**. Keep reading for ways to **protect biodiversity** in your garden and beyond...

Douglas Klug / Getty Images.

# 10 ways to save the Earth from DECLINING BIODIVERSITY



1

### Shop smart

Avoid **souvenirs** or other items made from **animal parts** such as **scales, teeth, feathers, tortoise shells, seashells, coral** and *especially* **ivory**. Animals might have been **harmed** or **disturbed** to make them.



3

### Cat attack

UK pet cats kill over **275 million** animals each year, of which **27 million** are **birds**. Give your feline a **bell** or **colourful collar** that can alert birds of danger.

2

### Find the right fish

**Bluefin tuna** and **Atlantic halibut** are large fish that **reproduce and grow very slowly** – so try to avoid eating them unless you know they've been **fished sustainably**. Use the **Good Fish Guide** ([mcsuk.org/goodfishguide](http://mcsuk.org/goodfishguide)) to select a fish that can be removed from the ocean **without harming the ecosystem**.

4

### Skip the selfie

**Riding elephants, holding monkeys and snapping pics with lion cubs** might seem fun, but these animals may have been **snatched from the wild** and may not be being properly cared for. Avoid these activities on holiday unless you know the group is **trustworthy** and **not exploiting animals**. Ask your folks not to 'like' similar photos on social media.

More than **650 species of beetles** were found in a **single tree** in Peru's rainforest.

5

### Careful aquarium

Think that **Dory-looking blue tang** would make a **good pet**? Think again. These fish are **difficult to breed** in captivity, so blue tangs you see in pet shops may have been **taken from the wild**. That could upset fish habitat. If you have a tank, make sure your fish were **not taken from the wild**.





6

**Feed with caution**

Feeding animals can make them **less fearful** of and **more dependent** on **humans**, which affects the critters' ability to survive. **Bird feeders** are OK – just give the fliers **plenty of space!** But **don't feed ducks bread** – it's not good for them. Instead, try **oats, corn and peas.**



The most diverse group of organisms on Earth is bacteria.

7

**Lights off**

Migrating birds can become **confused** by **bright nighttime lights**, flying in circles until they're **exhausted**. Turn off **unnecessary lights** at night in the **spring** and **autumn**, when birds are **migrating**. You can also talk to your parents about turning off the lights at their **high-rise offices**.



9

**No place for pets**

Never release a pet into the wild – it could become an **invasive species!** **Cats, dogs, snakes, fish, ferrets** and even **hedgehogs** prey on or compete with local wildlife. If you can't care for your pet, **find it a new home.**

10

**Stand up for 'scary' animals**

Some people are **scared** of animals like **wolves, sharks**, and **bats** – and try to harm them. But these **keystone** animals are super important because they **keep their habitats healthy**. So tell everyone how amazing they are!

**FIGHT DECLINING BIODIVERSITY  
SAVE ANIMALS!****RING-TAILED LEMUR****WHERE THEY LIVE:**

Madagascar

**WHY THEY NEED HELP:**

**Wild lemurs** live nowhere else except on this **island** off the coast of **Africa**. They keep their forest home healthy by **eating fruit** and, um, **pooping the seeds** back on to the ground to grow. But because of **habitat destruction** and **poaching**, only about **2,000 ring-tailed lemurs** remain in the wild.

**FIJI BANDED IGUANA****WHERE THEY LIVE:**

Fiji and Tonga, islands in the South Pacific

**WHY THEY NEED HELP:**

**Non-native rats and cats** hunt the **iguanas**, while **domestic goats and pigs** run free to munch and trample the **plants** these reptiles need to survive.

**DHOLE****WHERE THEY LIVE:**

Southeast Asia

**WHY THEY NEED HELP:**

Humans have overhunted the **dholes' prey**, such as **deer** and **wild pigs**, making it hard for these **wild dogs** to thrive.

**SNOWY OWL****WHERE THEY LIVE:**

Near the North Pole

**WHY THEY NEED HELP:**

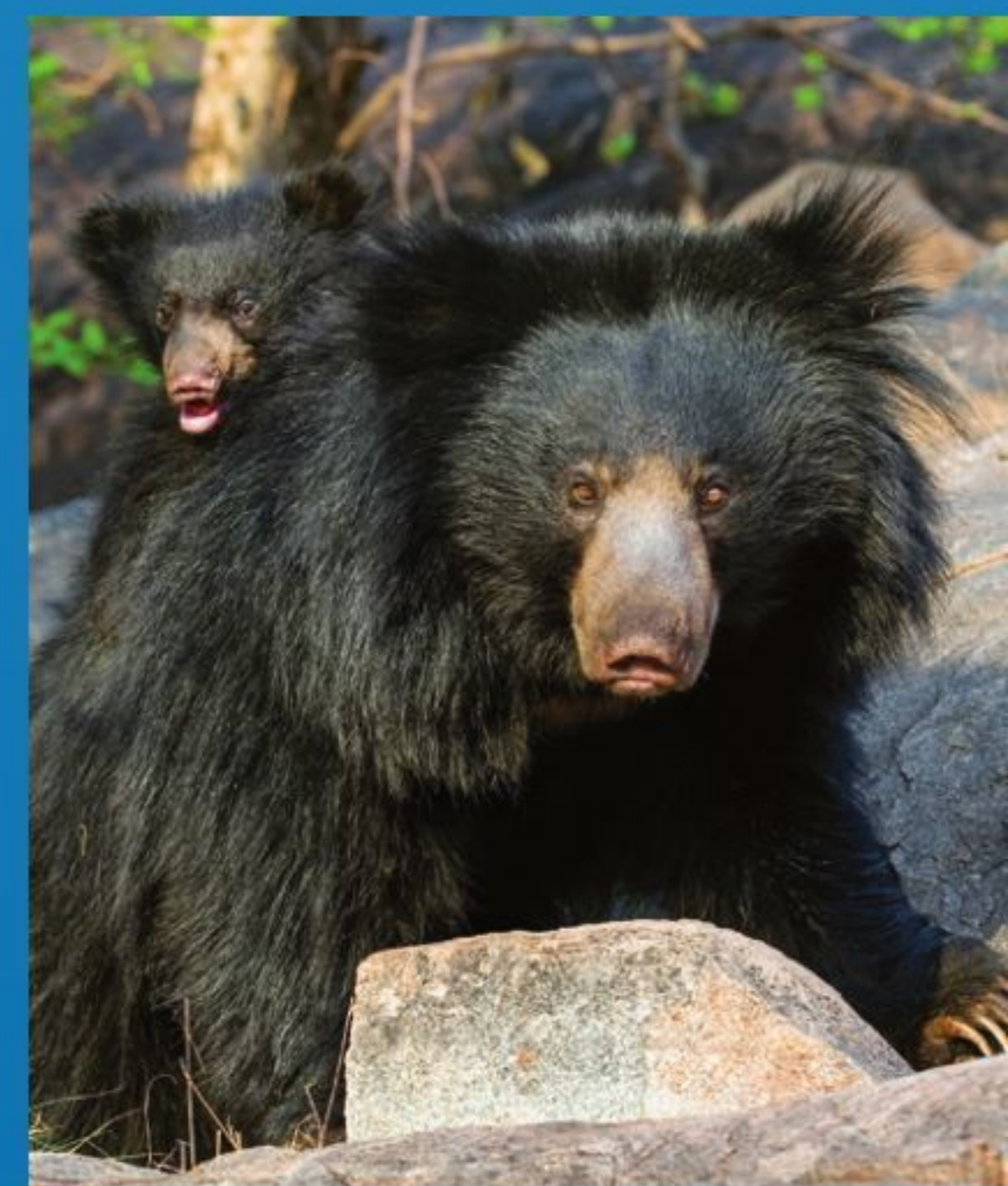
**Snowy owls** can survive in warmer habitats, but they can't live without the **lemmings** they prey on. **Melting Arctic snow** can **flood lemming burrows**, wiping out the owls' favourite food.

**SLOTH BEAR****WHERE THEY LIVE:**

India, Nepal and Sri Lanka

**WHY THEY NEED HELP:**

**Sloth bears** are often affected by people **cutting down trees** in their forests, as well as **poachers**. A decline in sloth bears affects the entire habitat.



1 © Roy Pedersen / Shutterstock; 3 © SJAllen-Photography / Getty Images; 4 © Arun Roisri / Dreamstime; 5 © Iluta Goen / Shutterstock; 6 © RogerW02 / Dreamstime; 9 © Zorandim / Dreamstime; 10 © Straublund Photography / Getty Images.

Lemur © yakub88 / Shutterstock; Iguana © Ondrej Chvatal / Shutterstock; Dhole © Sandesh Kadur / Nature Picture Library; Snowy Owl © Jim Cumming / Shutterstock; Sloth bear © Axel Gomille / Nature Picture Library.



# THE BIG INTERVIEW

In July, London will become the first ever National Park City – and it's all thanks to Explorer Dan Raven-Ellison. He tells us more...



**Name:** Daniel Raven-Ellison  
**Job:** Explorer and guerrilla geographer. (Guerrilla geography is all about exploring in creative ways).  
**Challenges:** Dan once walked the height of Mount Everest by only climbing staircases in London buildings. It took him ten days!

"Last week I saw a seal and a kingfisher on the bank of the River Thames!"

We need lots more trees in cities – I think London being a National Park City will help make that happen!

## HOW TO GET INVOLVED!

Four simple ways to make your urban patch wilder...

### 1 GET OUT AND EXPLORE!

Just enjoying yourself outdoors will help. Discover your local area **on foot** and find places to play. You might start thinking about exploring further and by other means. **Bike, kayak, paddle board?**

### 2 MAKE WHERE YOU LIVE GREENER AND WILDER

Plant **wildflower seeds**, grow **small plants** to give to your **friends**, or let **ivy grow up walls**. If you've got **paving slabs** in your garden, one of the best things you can do is **remove one** and let **plants grow in the space** you've created. **Insects and animals will soon follow**. You could cover an area in **flower pots** and have a similar effect.

### 3 CREATE HABITATS FOR WILDLIFE

Like people, wild animals need **food** and **shelter**. Think about putting out **food for birds** in the **winter**, making a **bug hotel for insects**, creating a **pond for frogs** and putting up **bird, bat and bee boxes**.

### 4 MAKE HEDGEHOG HOLES!

If you've got a garden, see if you can make a **hole** or two that **hedgehogs** can use to help them **travel** into neighbouring spaces.

For loads more brilliant ideas, visit **NationalParkCity.London**

London National Park City aims to make the city greener, healthier and wilder, so that people can enjoy London's great outdoors more. The Mayor of London has committed to protecting and increasing green spaces and is providing funding to help with planting.



Dan thinks foxes are fantastic



**Congratulations, Dan! London is going to be the first ever National Park City. But we're a little bit confused. How can a city be a national park?**

**Urban nature** is just as important as nature anywhere else! Around the world there are national parks in **deserts**, **rainforests**, **moorland** and every kind of habitat you can imagine apart from one... **urban landscapes**. Until now!

**What kinds of wildlife can be found in London?**

Researchers\* have counted nearly **15,000 species of wildlife in London!** You can see **seals** and **sea horses** in the **River Thames**, **scorpions** on **Southbank**, **peregrine falcons** on **tower blocks** and **foxes** nearly anywhere.

**Wow, that's wild! Most Londoners have had an encounter with a fox. What do you think about them?**

**I love foxes.** I think they're wonderful and my heart skips a beat every time I see one in London. They're often really **confident** so you can share a moment together.

**What would you say to people who consider foxes to be pests?**

The same people probably dislike rats even more... and **foxes eat lots of rats** and help to keep their population under control! Foxes do very occasionally kill domestic cats, but it's worth remembering that **cats kill millions of songbirds**. So, you could say that what goes around comes around. For the record, I like foxes, rats, cats *and* songbirds!

**What are some of the most wonderfully wild things YOU have seen in the City?**

I once watched a **pelican eating a pigeon** in **St James's Park**, outside **Buckingham Palace!** I remember the pigeon's head

**"I once watched a pelican eating a pigeon outside Buckingham Palace!"**

- looking out of a gap in the pelican's giant beak just before it was swallowed for good. I'm not sure if that counts as wonderful for the pigeon? Maybe for the pelican.
- **Gross! But kind of cool. To research why green spaces are important for people as well as animals, you walked 1,600km across the UK wearing a funny device on your head. What was that about?**
- That device (right) **monitored my brain** to study how I was feeling and record my levels of **excitement, stress, interest** and **relaxation** as I explored different kinds of places.

**What did you find out?**

The project taught me **how important trees** are. I was most **excited** and most **relaxed** when I was in **woodlands**. Having more trees in cities would **improve people's health**, create **habitats**

- **for wildlife**, help to **reduce pollution, absorb carbon dioxide from the atmosphere** and reduce the likelihood of **flooding**.
- **Sounds good to us! What are some simple ways our readers can encourage wildlife?**
- We have a challenge for people to **'do nothing for wildlife'**. We don't mean don't care about it, but sometimes just **leaving**

**"I'd love to see otters thriving in London one day."**



**London is full of amazing green spaces**

**Dan walked around the UK wearing this funny headgear!**



- **things alone** will have **big positive impacts**. Let **ivy grow up walls creating habitat and food for insects**. Give **slugs** a chance and let them **eat plants in your garden**. Leave **weeds** alone and treat them for what they often are – **wildflowers!**
- **So weeds can be a good thing?!**

Yes! Many people spend a lot of time **removing weeds** because they think they're **messy**. The thing is, a weed is just a plant that was unlucky enough to **grow in a place** where a person **didn't want it**. As soon as someone **wants a weed...** it's **no longer a weed!** **Dandelions** are great examples. They are beautiful

flowers that **thrive in cities** and provide **food** for lots of insects. It would be great if more people learned to **love 'weeds'** and stopped killing them.

**What do you want to see happen when London becomes a National Park City?**

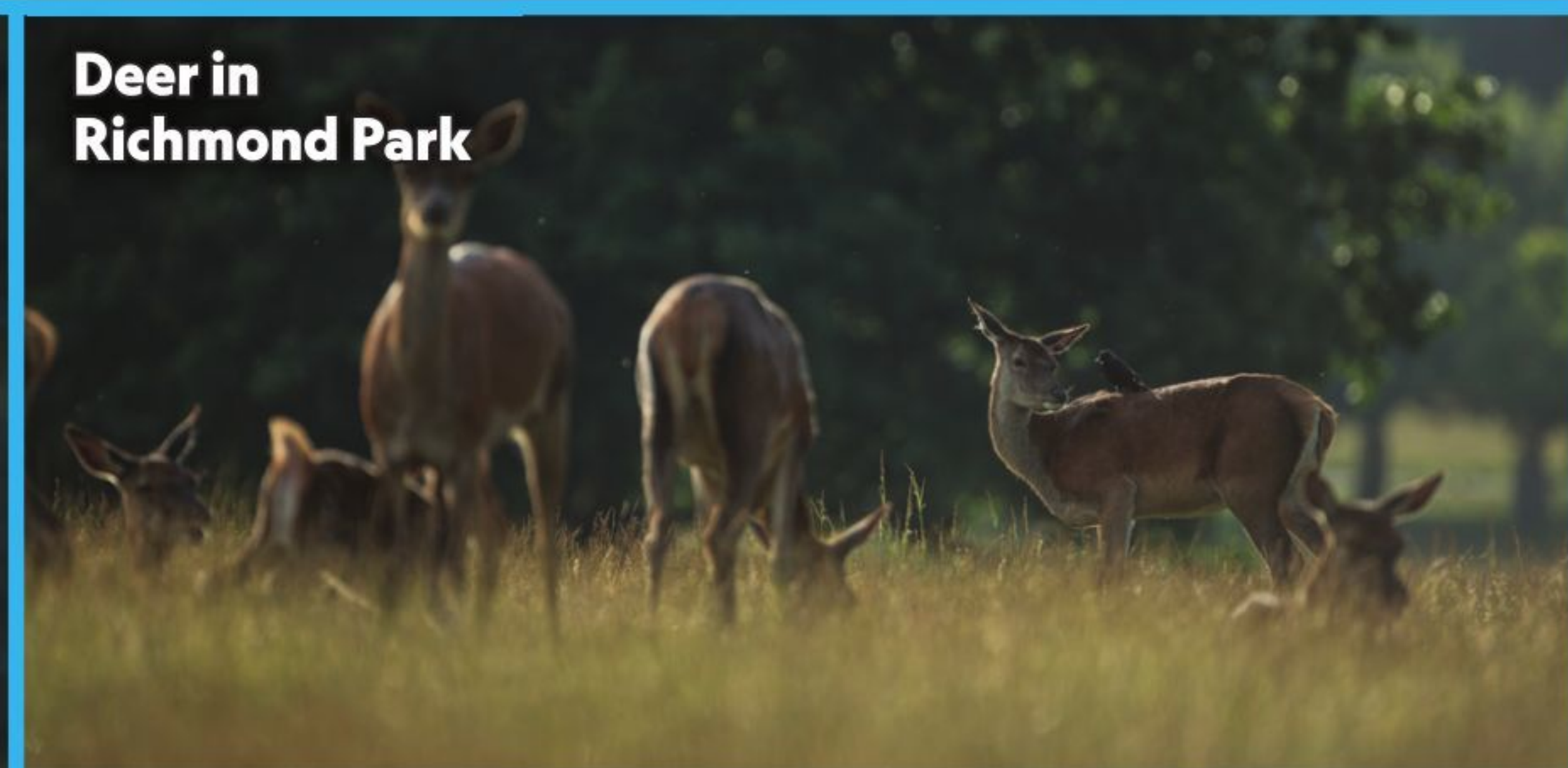
Call me greedy, but I want **more wildlife, clean air, rope swings, trees, streets that are safe** enough to play on, **wild swimming** and lots of other things that will make **life better** in the city for people *and* wildlife! But we need to **work together** with millions of people to make it a success!

**Let's do it! Now, what's next?**

There's a campaign for **Glasgow** to become a **National Park City** as well, and I'm excited to see if any other cities decide to become National Park Cities, too. **Let's hope so! Thanks Dan!**

\* at Greenspace Information for Greater London.

Find out more and get involved with the **London National Park City** at **NationalParkCity.London** and by using the hashtag **#NationalParkCity**.



**Deer in Richmond Park**



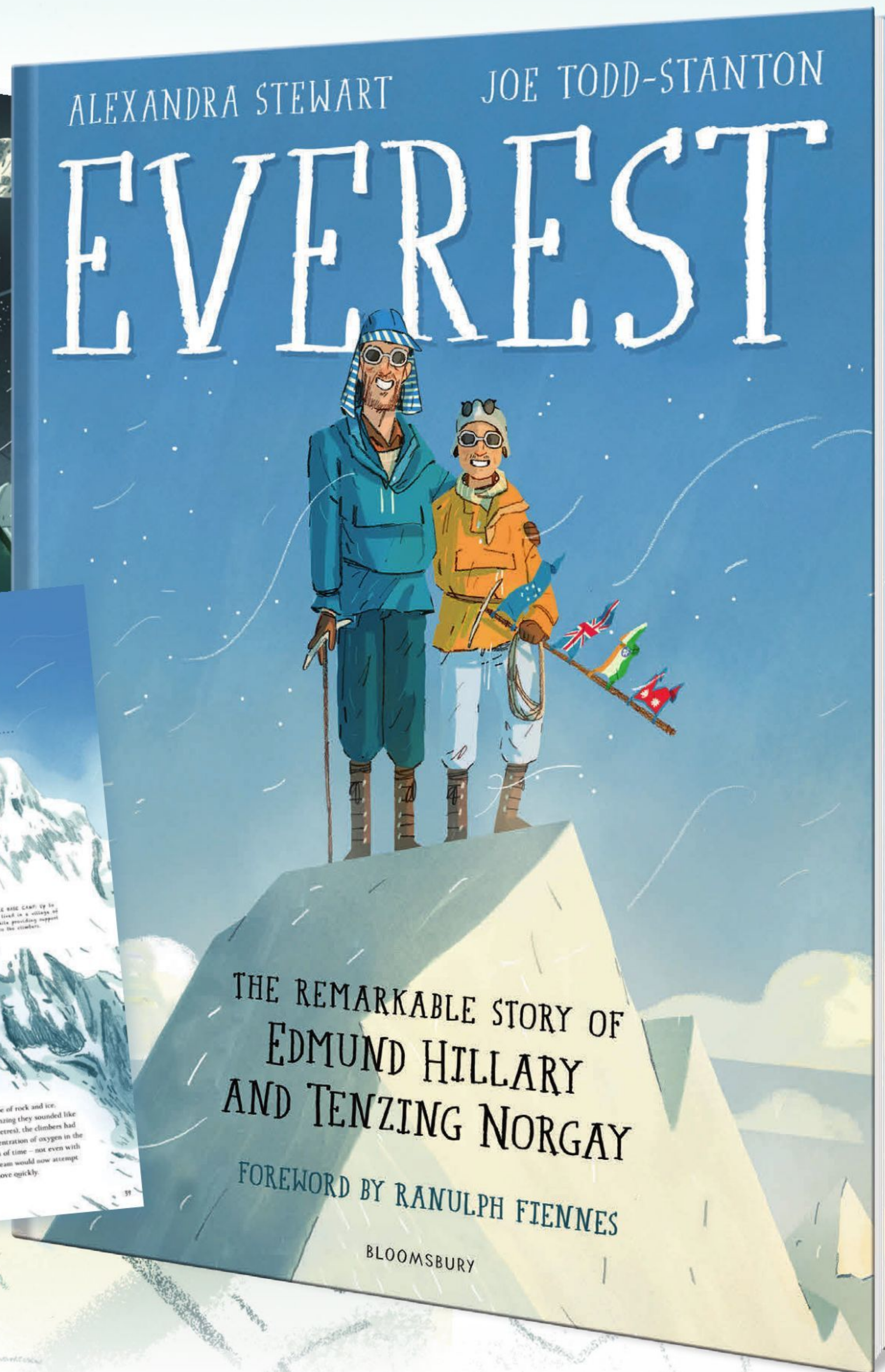
**Beekeeping in the city!**



ADVERTISEMENT

# ON THE MORNING OF 29TH MAY 1953, EDMUND HILLARY AND TENZING NORGAY STOOD ON TOP OF THE WORLD

*This is their story*



*'You don't have to be a hero to make your mark on the world'*

–Sir Ranulph Fiennes, in his foreword to EVEREST

BLOOMSBURY





# Rumblestar

OUT  
30  
May!

Ready for adventure? Then get stuck into *Rumblestar*, the first book in the exciting new *The Unmapped Chronicles* series from Abi Elphinstone...

Eleven-year-old **Casper Tock** hates risks, is allergic to adventures and shudders at the thought of unpredictable events. So he has a nasty shock when he accidentally stumbles into **Rumblestar**, an **Unmapped Kingdom** full of magical beasts.

All Casper wants to do is find his way home, but Rumblestar is in trouble. An evil **harpy** called **Morg** is sending her followers, the **Midnights**, into the kingdom to wreak havoc so she can steal the **Unmapped Magic**

for herself. And Casper discovers that the future of his own world is bound up with that of the Unmapped Kingdoms.

So together with **Utterly Thankless**, a girl who hates rules and is allergic to behaving, and her miniature dragon, **Arlo**, Casper sets off on an adventure full of cloud giants, storm ogres and drizzle hags. Can the trio save the Unmapped Kingdom – and Casper's own world – from the clutches of **Morg**?! Good luck, gang!



Artwork © Carrie May

Don't miss Abi's other awesome books, including *Sky Song*, the *Dreamcatcher* trilogy and *Everdark*!

## Abi's adventures!

We asked author Abi about the real-life escapades that inspired her stories...

**Hi Abi! Why did you decide to write your new series, *The Unmapped Chronicles*?**

I thought back to all the incredible skies I'd seen on my adventures – pink sunrises, orange sunsets, rain that summoned rainbows – and I started wondering: what if all the grown-ups have got it wrong about our skies? What if it *isn't* science behind the weather but magic?

**Cool idea! Are the magical locations in *Rumblestar* based on real places you've visited?**

Yes! **The Smoking Chimneys** (a collection of magical volcanoes) are based on a night-hike I did around the active volcanoes on **Stromboli**, an island off the coast of **Sicily**. **Shiverbark forest** (where snowflakes the size of dinner plates fall) was inspired by my cross-country skiing (see above, with my baby attached to me in a sledge!) through **Norway**.

**Wow! What was the most exciting adventure you had while writing *Rumblestar*?**

**Kayaking** through the **Norwegian fjords** (see pics, right). When you travel by kayak you see the world in a completely different way – you're aware of all that is under you as well as around and above you. My time kayaking



through winding passageways of rock and over jungled weeds formed the basis of **Casper** and **Utterly**'s quest in an enchanted canoe down a river known as **The Witch's Fingers**.

**What's next in *The Unmapped Chronicles* series?**

I'm planning the next book right now! It's called **Jungledrop** – a kingdom full of magical lagoons, secret temples, enchanted trees and glow-in-the-dark rainforests. Or at least it used to be before **Morg** and her **Midnights** found a way in... I'm hoping to climb one of the tallest trees in **Scotland** this summer as research for the enchanted trees in *Jungledrop* (including the **Prettyplease** – a tree that, very conveniently, grows pocket money)!

**Wish we had one of them! Thanks for the chat!**



Abi with junior in a snowy baby buggy!



Kayaking through Norway's fabulous fjords...



Available in all good bookshops. Find out more at [abielphinstone.com](http://abielphinstone.com)



# HISTORY'S GREATEST HITS

Historians don't always know the exact dates of events from ancient times. That's why you'll see a 'ca' next to the years listed below. It stands for 'circa,' meaning 'around.'

ALL ABOUT

## QUEEN BOUDICA

Meet the fearsome Celtic Queen who united Britain's tribes against the mighty Romans...

ca AD 30

**Boudica** was born in about AD 30 in **Norfolk** (although it wasn't called that then). She had striking **red hair** and her name meant '**victory**'. Boudica's people – the **Iceni** – were one of the many **Celtic tribes** that lived (and *squabbled*) in Britain at the time.

By around AD 43, the **Roman Empire** was at the peak of its powers and the Romans had their sights set on Britain (or '**Britannia**' as they called it). It wasn't long before they'd **conquered** all of **southern England** using their advanced **armour** and **weaponry**.



ca AD 48

When Boudica grew up, she **married** **Prasutagus**, the **king of the Iceni tribe**, and they had **two daughters** together. To stay on good terms with the invading Romans, **Prasutagus** agreed to **pay Roman taxes** and **obey their laws**.

RISE UP,  
UNITE AND  
LET'S BEAT  
THESE  
ROMANS!



ca AD 59

King Prasutagus became **gravely ill**, and from his death bed **agreed to split his wealth** between his **daughters** and the **Roman Emperor Nero** – he hoped this would ensure **peace** for the Iceni. But the **Roman governor** of Britain, **Suetonius**, had other plans, and ordered his soldiers to **brutally attack Boudica and her daughters**, and take *all* their property.

DON'T  
HURT MY  
GIRLS!



ca AD 60

**Furious** at the Romans' **terrible actions** and the way they were treating **all** Britons, Boudica persuaded neighbouring (and **rival**) tribes, such as the **Trinovantes** from **Essex**, to **unite** and **rise up against the Romans**. Boudica formed a **huge army** and under her leadership they conquered the Roman capital city **Camulodunum (Colchester)**, **Londinium (London)** and **Verulamium (St Albans)**. Her Iceni warriors **painted their skin blue** for **battle**, striking **fear** into the hearts of the Roman soldiers.

ca AD 61



After hearing about Boudica's **stunning victories**, Suetonius sent his best troops to fight her. With their **superior training** and **weapons**, the Romans **beat Boudica's army** in a bloody battle. Legend has it that **she poisoned herself** to avoid being captured. Boudica's memory lives on as a **brave British woman**, who briefly brought the Romans to their knees.





20–21 July  
The Whitworth &  
Whitworth Park,  
Manchester  
Family event  
FREE

(INCLUDING  
HUMANZ)

VIII

Manchester  
International  
Festival  
2019 4–21 July  
[mif.co.uk](http://mif.co.uk)

Commissioned and produced by Manchester International Festival with support from the Whitworth, The University of Manchester.

Illustration: Rob Bailey

bruntwood



Supported using public funding by  
ARTS COUNCIL  
ENGLAND



The  
Guardian

Manchester  
EveningNews



# Discover the world's bestselling INFOPEDIA

Only  
£12.99

You'll never be bored again with our new *Infopedia 2020*! It's packed with tons of fun facts, crafts and activities, plus fascinating features about animals, science, nature, technology and more. This new edition has interviews from REAL-LIFE explorers in each chapter, and you can read about what was going on in the world when the first National Geographic Kids Infopedia came out 10 years ago!



AVAILABLE FROM ALL GOOD BOOKSTORES  
and online at [www.natgeokidsbooks.co.uk](http://www.natgeokidsbooks.co.uk)



















# Who will uncover the secret of the *MALAMANDER*?

"Full of **unforgettable** characters and brimming with maritime **mystery**."  
Catherine Doyle



"A brilliantly plotted mystery swirling with **secrets** and **myths**."  
Jennifer Bell

**WIN**

a signed copy of  
*Malamander* and a  
SEA LIFE annual  
family pass!

Visit [www.eerie-on-sea.com/win](http://www.eerie-on-sea.com/win)

to enter\*

## Who will *dare*?

Waterstones **Children's**

**Book** OF THE *Month*

Illustrations © 2019 George Ermos

\*Terms & Conditions apply. Competition closes 01/07/2019.



WALKER  
BOOKS



# THE ACROPOLIS!

This month, NG KiDS' time-travelling mouse, Max, zooms back in history to investigate the Acropolis of Athens!

**WORLD WONDERS!**

Standing watch over the Greek capital city of Athens, the rocky plateau known as the Acropolis has played host to monuments for thousands of years!

The most famous monument was the Parthenon, a stunning temple built to honour the Greek Goddess Athena in 438BC.

The word 'acropolis' means 'high city' in Greek, and there are many of these high cities dotted all over Greece and elsewhere. But the one in Athens is an incredible plateau sitting at the centre of Greek history!

Athena Promachos - a huge statue of Athena, standing nine metres tall - stood here for 1,000 years, until it was moved to Constantinople in AD465.

Temples and other buildings have stood on the Acropolis for 6,000 years. The ravages of war and earthquakes meant newer, greater monuments would be built on top of the old ones.

All the major temples and structures we see today were built thanks to Greek leader, Pericles. Known as 'The First Citizen Of Athens', Pericles was famous for encouraging arts and literature. A man after my own heart!

It's 150 metres above sea level. There's no nipping out for a quick swim in the Aegean Sea when you're up here!

Oi! Do you mind?

Raah!

The perimeter wall was built in the Bronze Age. At 10 metres high and up to six metres thick, the wall was called 'Cyclopean' because it was so well built - it was believed only a giant one-eyed cyclops could make it (or break it)!

The famous Parthenon is a beautiful temple built in 438BC. It is considered to be the creative pinnacle of Ancient Greece, thanks to its exquisite architecture and decorations.

The columns holding up the Parthenon roof are called Doric. They are thick and sturdy like men's legs. Unlike Corinthian columns, which are slender, supposedly like women's legs!

Oh no! I've got Corinthian legs!

Before you enter the Acropolis, you have to pass through the magnificent Propylaea Gates. Make sure you're clean and not a slave, otherwise you won't get in!

Hop it!

Eek!

Wow!

During the 1600s, the Turks, who ruled Greece at the time, used the Parthenon as a place to store ammunition. Unfortunately it all blew up during a bombardment...

**BOOM!**

Dops!

And that's why it stands in ruin today. What a shame!

In 1806, Lord Elgin of England asked the ruling Ottomans if he could study many of the remains of the Parthenon and they said yes. He took this to mean he could take them back to England!

Thank you. Bye!

They're now kept in the British Museum

Wait! That's not what we meant!

Excitingly, the Greek government is currently restoring its magnificent monuments to their former glory!

So the Acropolis will be inspiring new generations for thousands of years to come!



HarperCollinsChildren'sBooks  
presents

# STARFELL

## Willow Moss and the Lost Day

Get lost in a world of magic and mystery with  
Dominique Valente's spellbinding new series...

**W**illow Moss, the youngest and least powerful sister in a family of witches, has a magical ability for finding lost things – like keys, socks or wooden teeth. Useful, but not exactly exciting...

But then the most powerful witch in the world of Starfell

turns up at Willow's door and asks for *her* help. A whole day has gone missing. Tuesday, to be precise. And without it, the whole universe could unravel!

Willow holds the fate of Starfell in her hands. Can she save the day – by finding the lost one?!

### MEET THE GANG

#### Willow Moss

Willow's magical power seems pretty unremarkable. But when Starfell's most famous witch knocks on her door and asks for her help, Willow's power is suddenly the most important thing in the world!

#### Oswin

Oswin is Willow's pet kobold – a monster that strongly resembles a grumpy orange cat. Unlike a cat, though, Oswin can talk, and he uses this ability to spend most of the time grumbling.

#### Moreg Vaine

Moreg is the mightiest (and most feared) witch in Starfell. She takes Willow on an adventure to find last Tuesday after it mysteriously vanishes. But Moreg has some secrets that might catch up with them.

#### Granny Flossy

Willow's grandmother, Granny Flossy, was once the best potion-maker in Starfell, but she went slightly off the rails after a potion explosion that turned her hair green.

OUT  
NOW!

# STARFELL

Willow Moss and  
the Lost Day

DOMINIQUE VALENTE  
The magic is waiting...

Cover design © HarperCollins Publishers Ltd 2019  
Illustrations © Sarah Warburton 2019

### TRICKY TUESDAY

Oh no! An entire day of the week has vanished in the world of Starfell! Fortunately, **TUESDAY** has appeared seven times in this wordsearch. Can you find them all?

Answer  
on page  
56

T	F	A	T	H	G	U	Q	E	Y
A	O	T	U	E	S	D	A	Y	G
E	B	U	E	E	T	A	V	P	C
T	U	E	S	D	A	Y	I	Y	T
M	N	S	D	Y	O	W	A	E	U
J	F	D	A	R	A	D	H	I	E
W	K	A	Y	T	S	Y	P	X	S
G	E	Y	W	E	A	G	B	V	D
S	D	A	U	W	N	G	D	J	A
U	R	T	T	U	E	S	D	A	Y

WIN!

### Super Starfell goodies!

We've got a chance for you to win a Magical Witch's Kit, containing a starlight projector, magic wand and your very own adoptable dragon. Abracadabra!

To enter, visit <http://po.st/StarfellComp>



# What Your Dreams

## Might Say About You

**Your brain could be telling you something...**



How many times have you told someone, "I had the **weirdest dream** last night"? Probably a lot. You can have up to **six dreams** a night so some of them are bound to be a bit **bonkers!**

Dreams are created by the **part of your brain** that stores **memories, emotions** and **thoughts**. At night your brain blends what's stored in your **mind** with what you've been **thinking about** lately. The result can be **wild** but **realistic** dreams.

"Dreams help us **get in touch** with our **deeper feelings**," says psychologist **Alan Siegel**. "They can even help us **figure out** problems."

Here are **nine common types** of dreams that could tell you **a lot about yourself** – and what might be happening in your life...



**THE THEME** Being chased

**SAMPLE DREAM** Maybe it's a hairy, **scary monster** or a huge, **shapeless blob** – or both! Whatever it is, you just can't seem to **get away!**

**WHAT IT MEANS** The scary thing that's **chasing you** around could be a **symbol** of a **real-life problem** that you don't want to deal with. This dream might be **telling you** it's time to **stop running** from the issue and start **dealing** with it.

**Zzzzz!**



People spend about **six years** of their lives dreaming!





**THE THEME** Forgetting your clothes!

**SAMPLE DREAM** As you **run** onto the **football** field, you realise that instead of a **sports kit**, you're wearing your **underwear**! Or worse – you're **completely naked**!

**WHAT IT MEANS** Your brain might be helping you **recover** from a **real-life embarrassing moment**. If no one's making a big deal about your undies in the **dream**, chances are your mates are always there for you. If they're laughing, it could be time for some **new friends**!



Your **brain waves** are more active when you're **dreaming** than when you're **awake**.



**THE THEME** Being **unable to move**

**SAMPLE DREAM** An **angry elephant** is charging at you, but your feet seem to be **glued** to the **ground**. You try to **scream**, but you have **no voice**!

**WHAT IT MEANS** You're probably feeling '**stuck**' about something. Maybe your parents just **grounded you** or you want to try something **new**? Think about how you can tackle this **sticky situation** and get it sorted!

A dream usually lasts between **10 and 40 minutes**.



**THE THEME** Falling

**SAMPLE DREAM** You're climbing **Mount Everest** when you **lose** your grip. You fall and fall – and fall... until you **gently land** in a bed of **daisies**!

**WHAT IT MEANS** You could have **too much** going on at the moment. Maybe it's time to slow down and **take a break**? The soft landing is a **sign** that you'll **soon** get through this tough time and feel **less stressed**!

**THE THEME** Losing something

**SAMPLE DREAM** Uh-oh! Your **Ariana Grande** concert tickets are **nowhere** to be found. You've torn **your room** apart but can't find them **anywhere**!

**WHAT IT MEANS** You might be looking for **reassurance**. Perhaps you want to try out a **new sport** or **hobby**, but you're **not sure** if you can do it. Search **deep inside** yourself for the **confidence**. It's there – you just have to find it!

Illustrations by Blake Thornton.



**THE THEME** Hanging out with a **celeb**

**SAMPLE DREAM** You totally hit it off with **Taylor Swift**. She even asks you to **play guitar** on her next single!

**WHAT IT MEANS** Celebrities in dreams usually represent **good feelings** you have about yourself. Perhaps you just got **top marks** in a test or landed the **lead role** in your school play. Things are **going well** – good for you!



Girls dream about girls and boys equally, but boys have more dreams about other boys.



**THE THEME** Flying

**SAMPLE DREAM** You're **walking** down the street when you suddenly **start to fly**!

**WHAT IT MEANS** Maybe you're flying high in **real life** as well. Perhaps your **friends** see you as a **leader**, or your **parents** have given you more **freedom**!

**THE THEME** Being **lost**

**SAMPLE DREAM** You're **heading home** from school, but your usual route becomes a **maze** of twists and turns, and you **don't know** where you are!

**WHAT IT MEANS** You could be feeling a little **lost** in life. Are you facing a **tough decision**? Maybe you're worried about making the wrong choice? Confide in someone you **trust** – with their help things will soon be sorted!



**THE THEME** Being **unprepared** or late

**SAMPLE DREAM** Your teacher hands out a **surprise test**, and you don't know *any* of the **answers**. Or worse – you get to class just as the **test is over**!

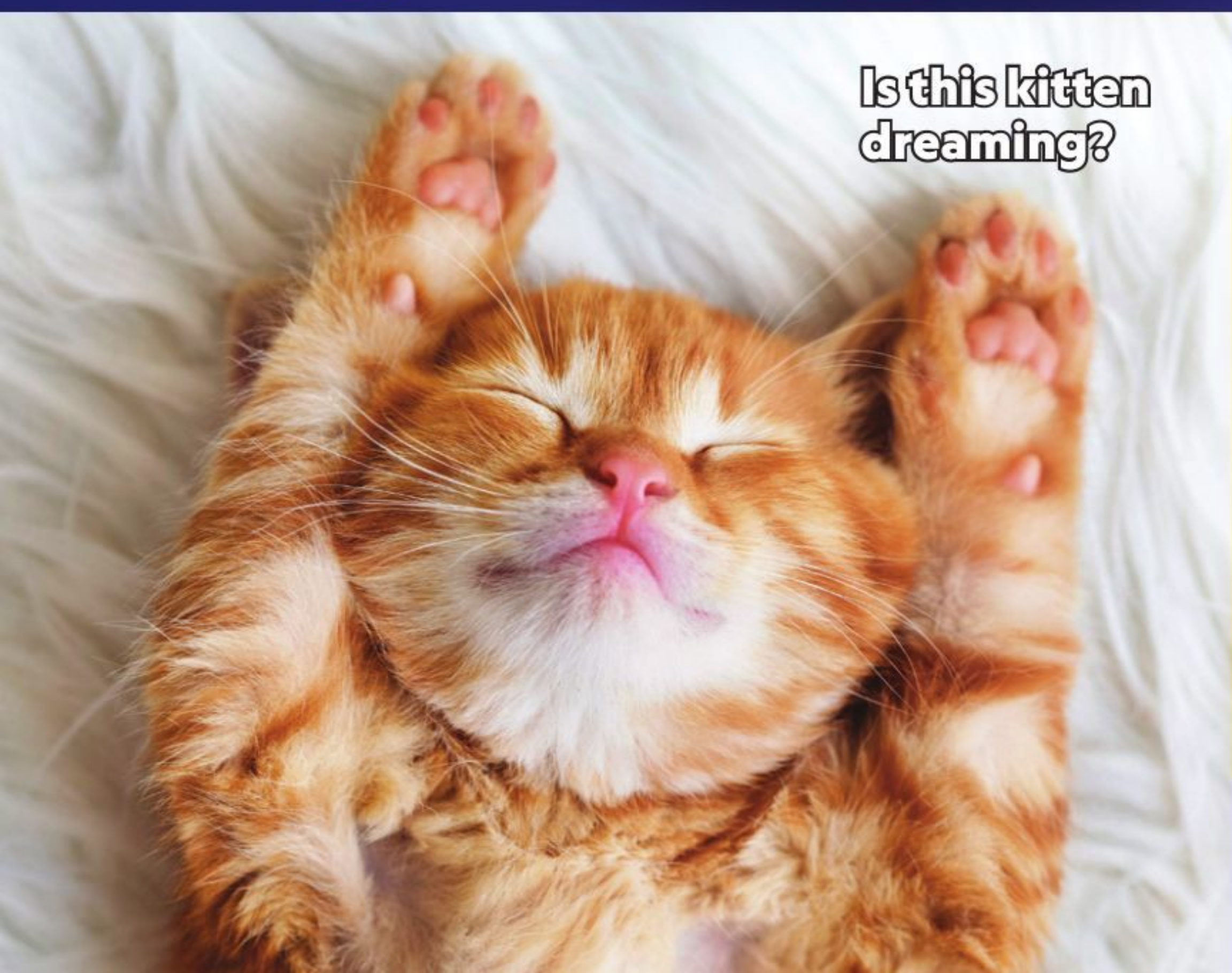
**WHAT IT MEANS** You could be worrying about an **event** or **project**. If you're **prepared** for whatever's coming up, this is just a sign you're feeling a bit **nervous**. But if you're not ready, take this dream as a hint and **get to work**!

Zzzzz!

The longer we sleep, the stranger our dreams become!



Is this kitten dreaming?



## Do animals dream?

A sleeping puppy's **nose wiggles**, its paws twitch, and it softly woofs – the pup must be **dreaming**, right?

Scientists aren't so sure. "Whether animals dream is one of the **greatest mysteries** in biology," sleep expert **Marcos Frank** says.

To find out, researchers compared the **brain waves** of **animals** that were asleep and awake. In one test, birds called **zebra finches** seemed to have the **same brain activity** when they were asleep as when they were **singing**.



# Snoozing stars!

We made up some silly dreams these sleepy animals might be having...

ARGH, MY TEETH  
ARE FALLING OUT!  
HOW WILL I EAT  
ALL THIS  
BAMBOO?!

I'M ROLLING  
AWAY TO JOIN  
THE CIRCUS

MMM...  
BAMBOO  
SMOOTHIES!

WHEEE! I'M  
FLYING!

UH OH! WHERE  
HAVE ALL MY  
STRIPES GONE?!

SALMON,  
SALMON,  
SALMON,  
SALMON,  
SALMON!

Could  
this zebra  
finch be  
dreaming  
about  
singing?

In another study, the brain patterns of **snoozing lab rats** suggested they were running through the **maze** they'd been in earlier that day – almost as if they were **practising** in their sleep. "This strongly suggests that they're **dreaming** about what they

did while they were **awake**," says Marcos.

However, it's hard to say if animals have **weird** and **wonderful** dreams like we do. Usually, humans **understand** they've been dreaming when they **wake up** and remember who they are – rather than

thinking their dreams are real. But Marcos says **most animals** might not have that kind of **awareness** about themselves.

So for now this dreamy debate remains unanswered. Do you think **your pet dreams about YOU?**

Kitten © Alena Ozerova / Shutterstock; Finch © J Knaupe / iStockphoto / Getty Images; Seal © Andrew Astbury / Shutterstock; Red panda © Martin Vrilik / Shutterstock; Giant panda © Lee Yiu Tung / Shutterstock; Leopard © Villiers Steyn / Shutterstock; Tiger © Shutterstock; Bear © Adam Van Spronsen / Shutterstock



# WELCOME

For hundreds of years, people escaping war and persecution have been welcomed by British communities. We chat to **Marwa**, 9, and her dad, **Abdul**, refugees from **Syria** who have found a **new home** here in **Britain**...



There are over **5.7 million Syrian refugees** worldwide. That's because a **terrible war** has been going on there for over **eight years**. More than **500,000 Syrians** are **dead** or **missing**, and over **half** of all Syrian people have had to **leave their homes**. Many different groups and countries are involved in the fighting, which **shows no sign of stopping**.



Refugee Week is from **17-23 June**

This year's theme is **'You, me or those who came before!'** It's all about the **history of refugees** and the people who have welcomed them.

Around **half** of the world's **22.5 million refugees** are **kids**.

Marhaba! That means 'hello' in Arabic!



Back in Syria, I was a lawyer!

ABDUL

MARWA

Hi Marwa and Abdul. Where in Syria are you from and why did you have to leave?

**Abdul:** We're from the city of **Homs**, which is the **third biggest city** in **Syria**. We had to leave because the **violence got worse** and it was an **unsafe place to live**. **Do you remember much about that time, Marwa?**

**Marwa:** I don't really have many memories of Syria, because I was **two years old** when the war began. It spread really quickly and

there were a **lot of bombs dropping by our house**. It was **risky** for us so we had to leave. But my **brothers** tell me stories about what it was like **before the war**. I like looking at the **photos** for **good memories**.

**Where did you go after leaving Syria?**

**Abdul:** We made it to **Jordan** and were there for around **two and a half years**, until we got the opportunity to come to the UK with the **resettlement scheme**.

**Marwa:** We weren't living a good life in

Jordan. We **didn't have any friends** and we **were not treated properly**.

**Did you know much about the UK before coming here?**

**Marwa:** I didn't know anything! But we were all really **excited** to come, because people said it was a **good** and **safe** place.

**What do you like about being in the UK?**

**Marwa:** I like that it's **clean** here, and the **weather is good in the summer**, so we get to play out a lot. The **trees and nature** are nice, too. But sometimes the **winter** is a bit too long!

**How did people make you feel welcome?**

**Marwa:** When I first started school, **many people were kind to me**. The children **showed me around the class** and **played with me**. They **never left me alone to feel sad**. They all **welcomed me** beautifully and we were all very happy because of this.

**Was it difficult to learn English?**

**Marwa:** Not really, because I just started **copying the people in my class** speaking English. I think it took about two months.

**Abdul:** My children definitely **picked up English quicker than me!** It's more difficult to learn the older you get.

**Name:** Marwa

**Age:** 9

**Country of origin:** Syria

**Now lives:** Coventry, UK

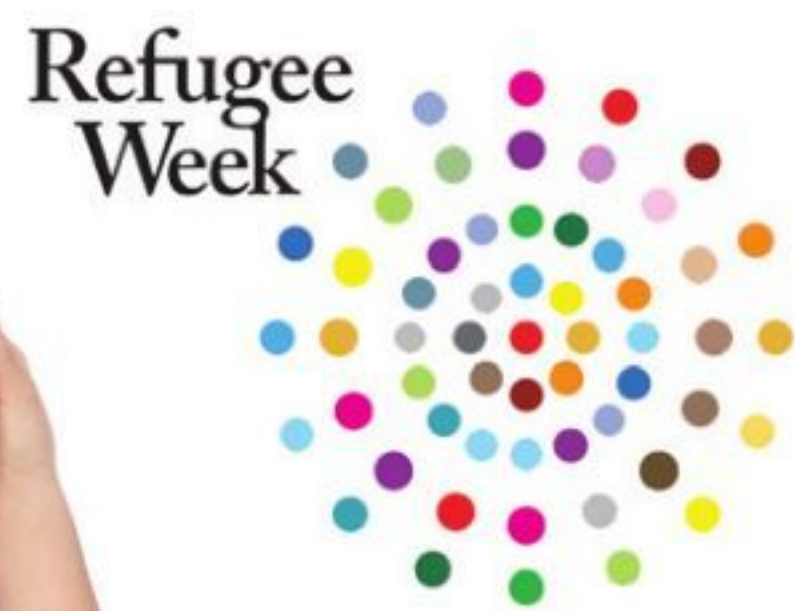
**Fave hobbies:** Taekwondo and swimming

**Best subject:** Maths

**Fave pop star:** Ariana Grande



# TO THE UK!

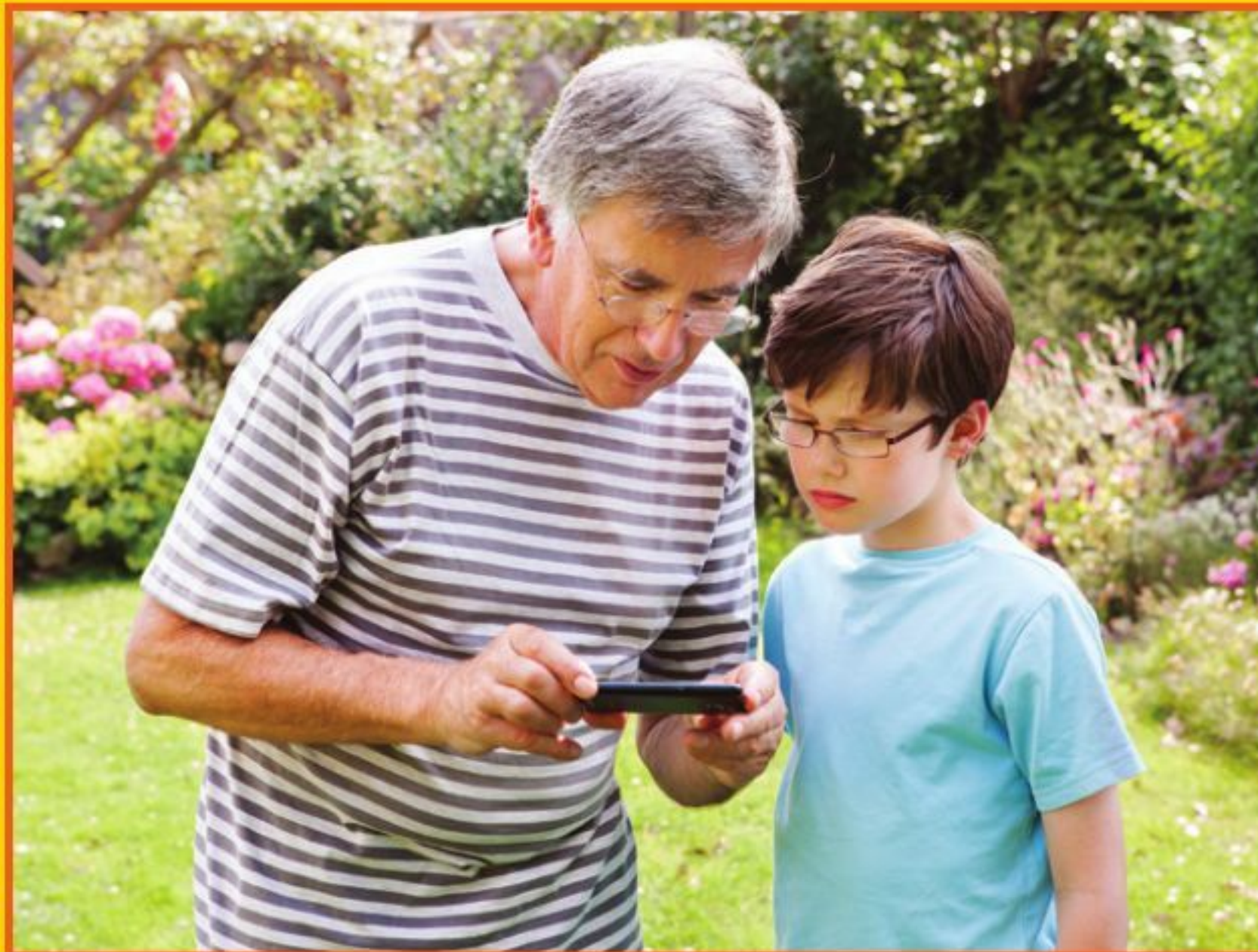


Pop star **Rita Ora** was a refugee from **Kosovo**. She came to live in **Britain** when she was **one year old**.

## GET INVOLVED! Try one of these simple acts to discover more about refugees...

### 1. Find out who you really are

Is there a story of **migration** in your **family** or **community** that you didn't know about? Do you know your **parents' history**? Have you ever seen a **family tree**? Do a little **digging** and see what you find.



#### To help in your search, you might:

- Talk to your **grandparents** or **older relatives**
- Look up the **meaning** of your **name** or **surname**
- Do a **DNA test**!

### 2. Go on a fact-finding mission

There's lots of **misinformation** out there about **refugees**. And the truth can be quite shocking. So **find** and **share** a **fact about refugees** throughout **history**. Here are four to get you started...

We have **Jewish refugees** to thank for the **fish in fish and chips**!

The **inventor of the Mini** was a **Greek refugee**!

**Most** refugees are looked after by **poor countries**, not **rich ones** like **Britain**.

**One in every four** refugees worldwide is **Syrian**.

If you **uncover a fact** that **surprises** you, **tell a friend**, or share it on social media using the hashtags **#SimpleActs** and **#Generations**.

Find more simple acts at [refugeeweek.org.uk/simple-acts](https://refugeeweek.org.uk/simple-acts)

#### What language do you speak at home?

**Marwa:** We all speak **English** and **Arabic** but my **baby brother** speaks more English.

**Abdul:** He pronounces English words really well, whereas I have a **slight accent**. Sometimes Marwa speaks in **half English** and **half Arabic**!

**Marwa:** Yeah, and sometimes I get **confused** and say the opposite of what I mean to say. It's funny and **makes us all laugh**!

#### Were there any things you found strange when you first moved here?

**Abdul:** The accent! For example, the word water is pronounced by some people as "**wartah**". Another one is "**thinkin**" instead of "thinking!"

#### Are there any Syrian traditions you still have at home?

**Abdul:** We still eat a lot of the same dishes, like **Kabseh** (mixed rice with chicken) and **Mutabbal** (similar to humus), and celebrate the same holidays, like **Eid**. But we do enjoy picking up **new traditions** from **British culture**.

**Marwa:** I really like **Christmas**!

#### Are there any other UK traditions you enjoy?

**Marwa:** When we first came, we didn't know what **Halloween** was! But last year we all

dressed up and I was a **skeleton**. It was great and we got to go out trick or treating. And **fish fingers** is my **favourite food** now. I love that, or **fish and chips**.

**Abdul:** Yeah, we've even started making fish and chips at home now!

#### What hobbies or activities have you done since you've been in the UK?

**Marwa:** My main hobby is **Taekwondo**. I've been very lucky because I've managed to **win quite a few trophies**! Our coach always tell us to be **kind** and to **not show it off**. It's only to be used in serious cases, like if you're in danger and need to **protect yourself**.

**Abdul:** We found out about it during **Refugee Week** last year. There was a Taekwondo demonstration at an event in Coventry, and my children were interested. Marwa took it very seriously, and only **two months after starting**, she won **bronze** in the **national championships**!

**Wow, that's amazing! What is your biggest achievement do you think?**

**Marwa:** In my last Taekwondo competition, I won the **silver medal**! The next competition is an international one. If you win gold in

that competition, our coach said it's basically like winning a **world championship**!

#### Wow! What are your hopes for the future?

**Marwa:** I'd like to be a **midwife** or **gynaecologist** (type of doctor). I've had a bit of practice looking after my younger brother.

**Abdul:** Myself and my wife's dream is for our **children to become successful, achieve their goals** and become **good members of society**. Maybe one day, I can become a **lawyer** here, like I was in Syria.

#### What's the best thing that's happened since coming to the UK?

**Marwa:** There are **no bombs** here and it's **safe**, so that's the best thing. In Syria, you couldn't even play out or leave the house. If you did, you might be **shot** or hit by a **bomb**. I also like how **kind** people are here.

**Thanks for chatting to us – and good luck with the Taekwondo!**



Head to [refugeeweek.org.uk](https://refugeeweek.org.uk) to find an event near you!





The Institution of  
Engineering and Technology

# IET Engine

# Junior Photographer of the Year

Love taking photos? Excited about how the world around you works? Enter this awesome competition to win some cash prizes and be crowned IET's Junior Photographer of the Year!



## YOUR CHALLENGE!

The IET has set up this **global photography competition** to change the **outdated image of engineering**. They want you to take pictures that capture the **dynamic and creative face of engineering and technology** today!



## CATEGORIES!

You can enter up to **five** photos in each of the following categories...

### DESIGN & PRODUCTION

Design, development and manufacture of things people need. Your pics could be of **mechanics, materials** or people **making things**.



### DIGITAL

Take pictures of **coding, robotics, electronic tools** or **smart devices** (computers or smart phones!)



### ENERGY & ENVIRONMENT



**Engineering** within our environment, such as **wind turbines** or **solar panels**!

### STRUCTURE

This category is all about **architecture!** Think **bridges, buildings** or **cityscapes**.



### TRANSPORT

Shoot photos of all types of **transportation** for this category. Ready, steady, snap!



## THE PRIZES!

Each **Junior category winner** will scoop **£250!** The **overall Junior winner** will also win an additional **£250!** Plus, a selection of the winning images will be made into a **photographic exhibition** in central London and feature in **Amateur Photographer** magazine. Wow!

### Bonus prize

The judges will also be looking for the best photo taken on a **smartphone** across all of the categories. This will win **£150!**



Gadget Show host  
Georgie Barrat is  
one of the judges!

ENGINEERING  
ISN'T JUST HARD  
HATS AND DIRTY  
OVERALLS!  
I CAN'T WAIT TO  
SEE EVERYONE'S  
IMAGES!





# Engineering & Technology



'Solar energy. The future' by  
Sudip Maiti, winner  
of the Best Smartphone  
Photo category 2018

## INSPIRATION!

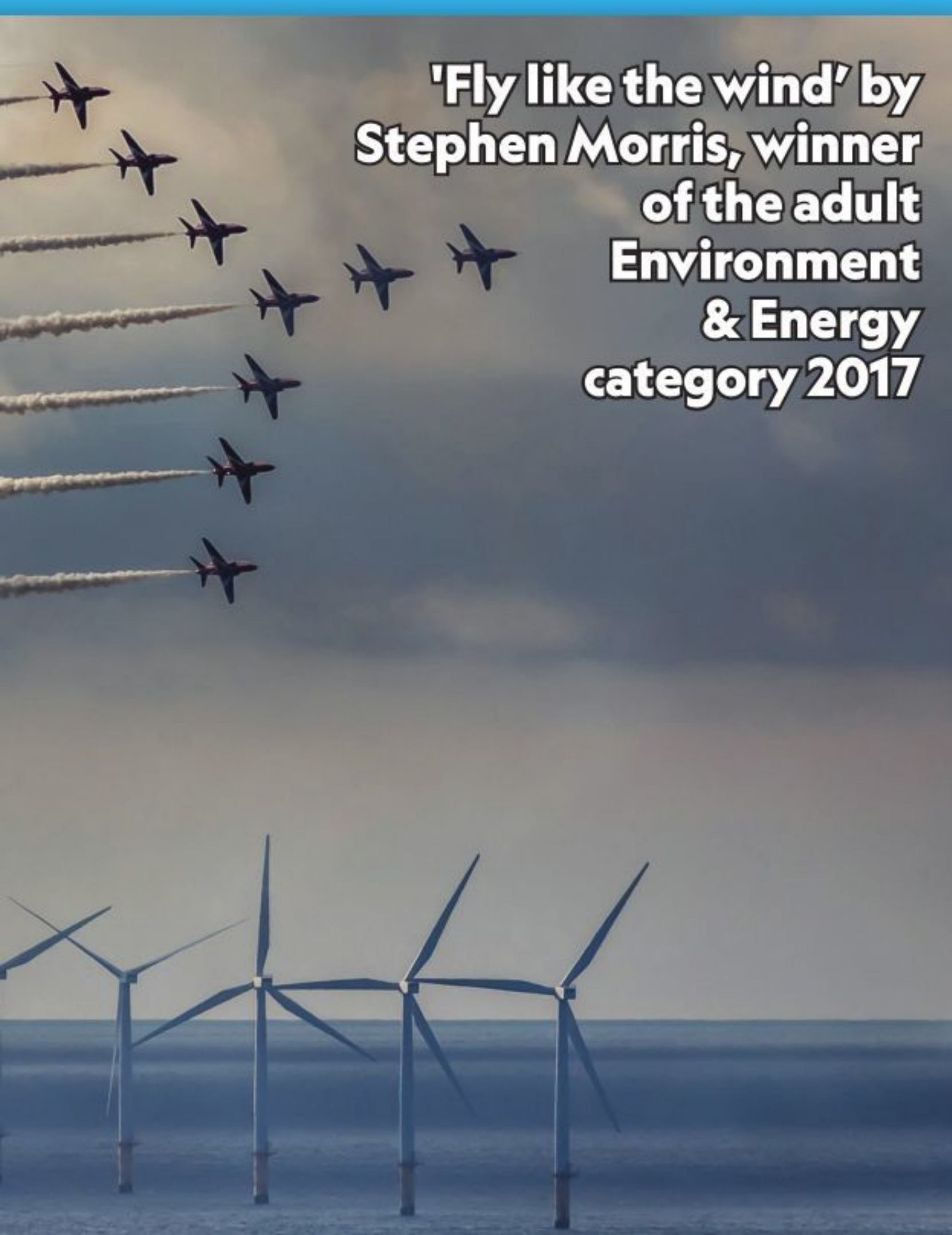
Engineering is part of our everyday lives, from smartphones, heating and lighting to medicines and clothes! But it also covers cool futuristic technology, such as space exploration, 3D printing, self-driving cars and renewable energy! Cool, right?

Check out some of the previous winners...

This shot, taken by  
Santiago Villamediana Sanchez,  
won the adult Robotics category 2017



'Reflections on a space craft' by  
Kathryn Graham, winner of the adult  
Design & Production category 2018



'Fly like the wind' by  
Stephen Morris, winner  
of the adult  
Environment  
& Energy  
category 2017



'A bright new  
frontier' by Callum  
Woodford, winner  
of the adult Digital  
category 2018

## HOW TO ENTER

Head to [theIET.org/photographer-of-the-year](http://theIET.org/photographer-of-the-year) to find out more and submit your entry.

Closing  
date  
**Friday  
30 August**



# JUNIOR EXPLORERS' CLUB

## WILDLIFE WATCH



For my birthday, my brother Christopher and I had the amazing chance to be **zookeepers** for a day at **Dartmoor Zoological Park** in **Devon**. We got to feed lots of the animals, including a **raccoon**, a **chameleon**, **otters**, **deer**, **tortoises** and **snakes**. We also fed **live crickets** to the **meerkats**, but we had to **catch the crickets** first! We had a great experience and learnt lots of interesting things about the **environment** and how to look after it. My favourite part of the day was **cleaning out the animal poo!**  
**Emily, 10**

● What a wild (and smelly?!) day out, Emily!



Emily got to hold real reptiles!

## WILD PLACEMATS!



Samuel (top) and Chris with their pukka placemats!

Hello!  
 My grandparents bought me a **subscription to NG KiDS** for my **birthday**. I can't wait to see what's inside each month! My brother **Chris** and I love reading all the facts about our world and the things that live in it.

We use the **animal posters** to make **placemats** using our **laminating machine**. They are so much more interesting than normal placemats and we get to add to them as each new magazine comes out. My favourite is the **veiled chameleon!**  
**Samuel, 8**

● Awesome idea, Samuel. We love it!

## ART ZONE!

**Q** Why do giraffes have long necks?  
**A** Because their feet stink!

Lily, 6

Hi NG KiDS,  
 Here's a fun picture I made of me in the **jungle**. I hope you like it!  
**Leo, 7**

● Wow! We think it's fierce, Leo!

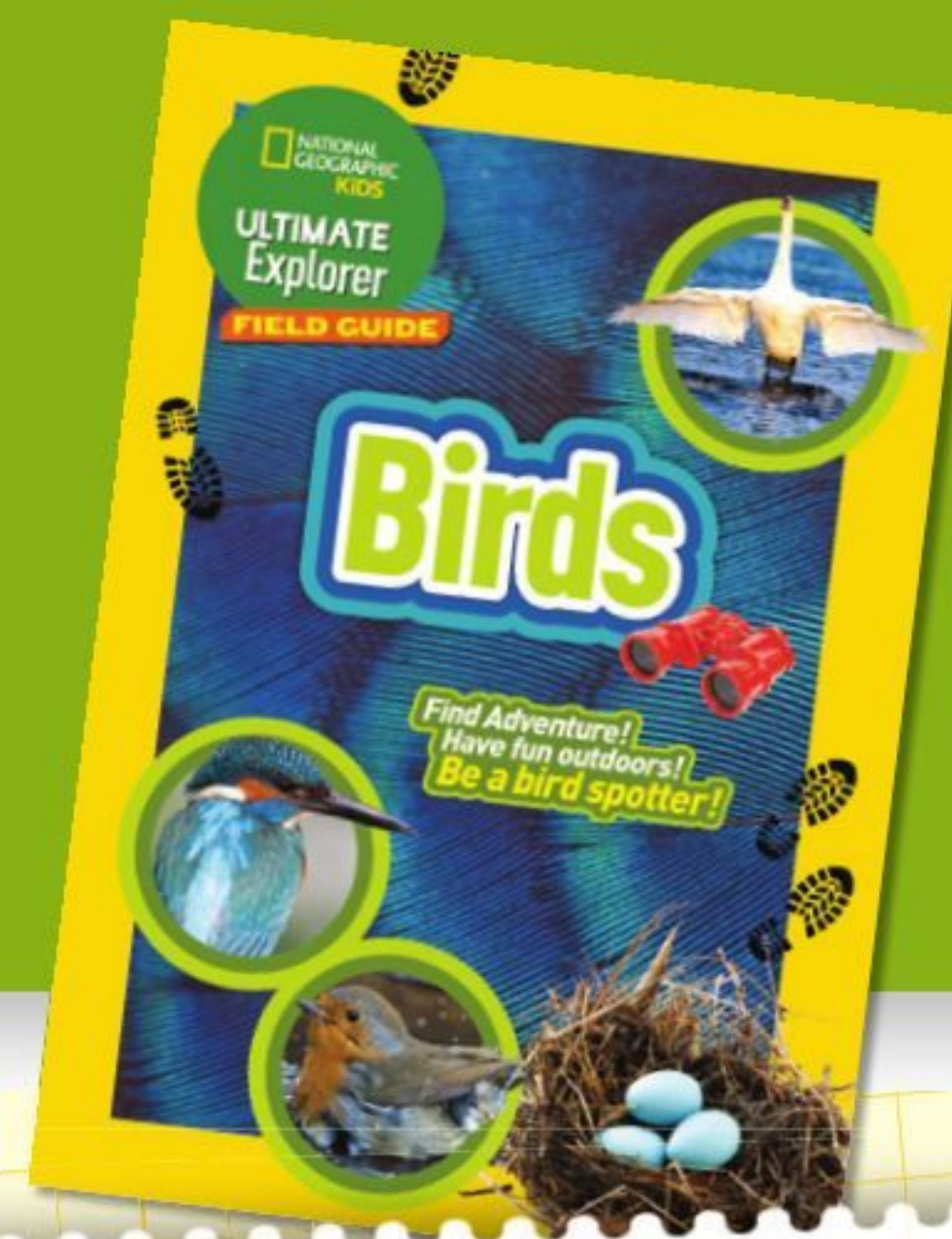




We want to hear from YOU! Send in your artwork, jokes, craft pics and pet photos; tell us about your wildlife sightings, hobbies and interests, and share your opinions! Email [kids@ngkids.co.uk](mailto:kids@ngkids.co.uk) or write to the address on page 3. A selection will be printed on this page. Every reader on these pages will receive a copy of **Ultimate Explorer Birds** from NG KiDS Books!

Available at [harpercollins.co.uk](http://harpercollins.co.uk)

We're sorry, but we won't be able to return your art or photos.



Hi Duke!

COVER STAR!

Duke the cockapoo, sent in by Abbie, 10.

## POSTCARD FROM... France



Hi NG KiDS!  
During the Easter holidays me and my family went to France. We visited a chapel and my mum rang the bell three times! Me and my brother also went exploring by a stream and saw some cool bugs called water boatmen! Luca, 6, and Abel, 4

Sounds like you two had a fab holiday, Luca!

## POETRY CORNER



### Climate Change

Once the snow leopard could wonder freely  
Once the elephants ruled the world  
Once rhinos could keep their horns  
Once orangutans could keep their homes...

But then humans came along, fighting, killing, polluting, chopping, warming, melting the world. Snow leopards dead, elephants endangered, rhinos with no horns, orangutans with no homes. Arguing, heartless, cruel, mean, Their fur, their tusks, their horns, their homes – Not yours.

Daisy, 10

What an amazingly powerful poem, Daisy – and an important message, too!

## SUPER SISTERS



Dear NG KiDS,  
My sister **Sophie** and I have been learning about **endangered animals in the UK** – and we've decided to take action!

To help the **small tortoiseshell butterfly**, I'm planting **wildflower seeds** in our garden so that they have **safe feeding and fluttering spaces**.

Sophie is helping **hedgehogs** by making **homes** for them **under the fence with twigs, leaves and cardboard**.

Check out the pictures we've drawn to show the work we've been doing!

**Zoya, 7, and Sophie, 5**

It's fantastic to hear you and Sophie are protecting our wildlife, Zoya!



ADVERTISEMENT

# KEW'S CHILDREN'S GARDEN NOW OPEN!

Royal Botanic Gardens  
**Kew**

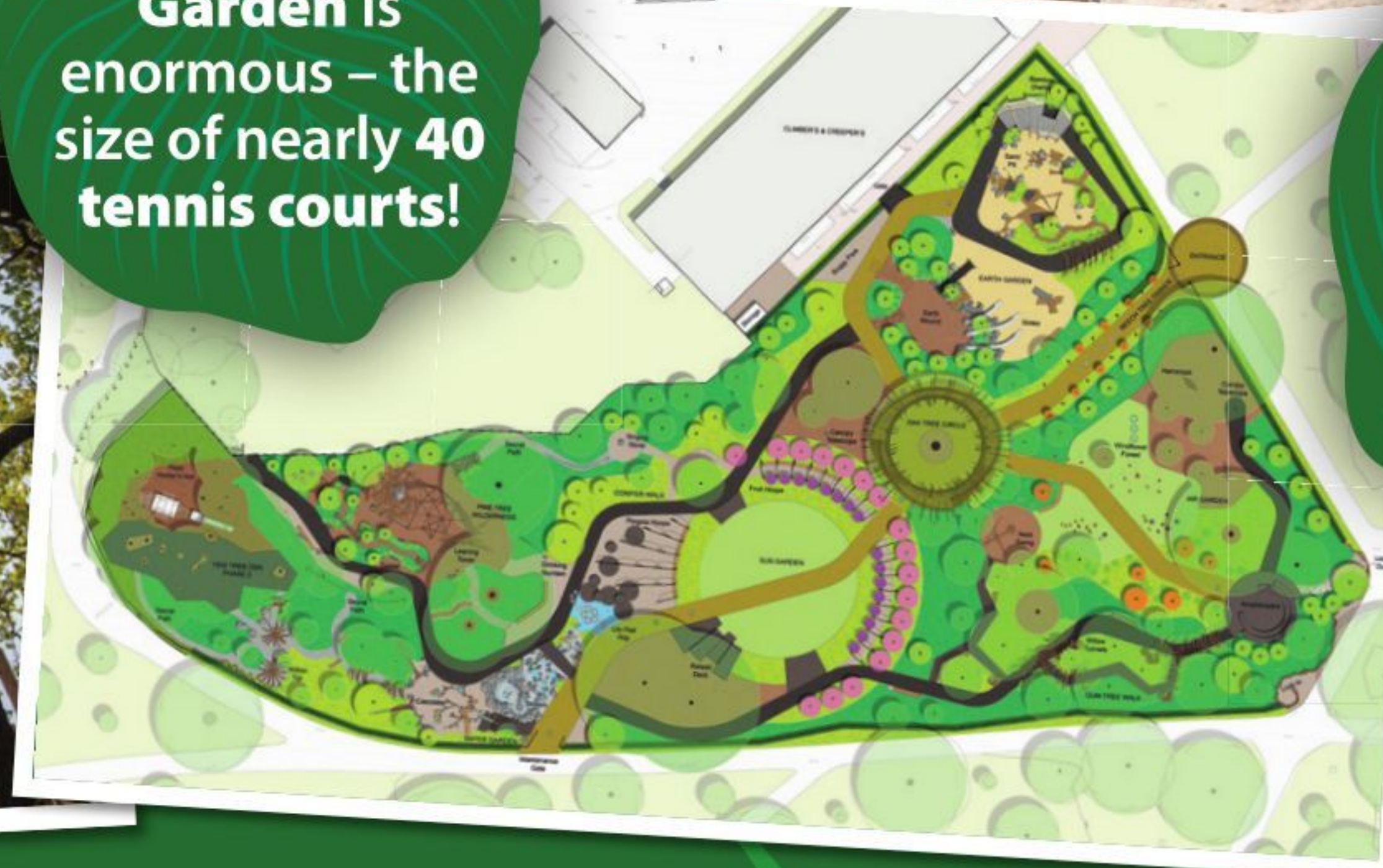
There's a giant magical new garden to explore at Kew – designed especially for kids!



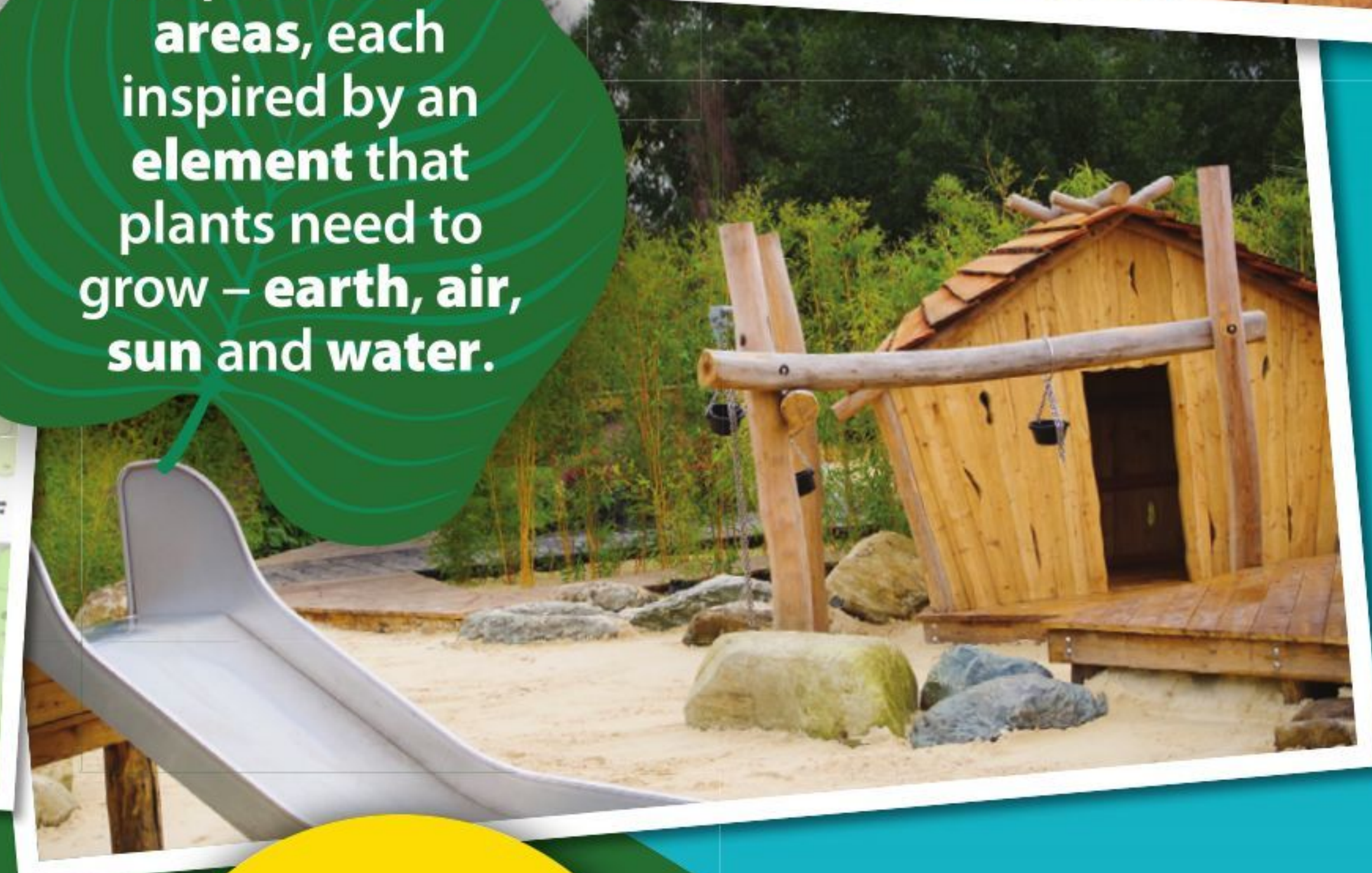
Splash about in the **pool**, have a go on the **water pumps** and clamber around on the **massive log scramble**!



The **Children's Garden** is enormous – the size of nearly **40 tennis courts**!



Explore **four areas**, each inspired by an element that plants need to grow – **earth, air, sun and water**.



Take an **aerial walk** round a **200-year old oak tree**, and explore the **huge sand pit** and **slides**!



## POETRY COMP WINNER REVEALED!

Back in February, we asked you lot to write a poem inspired by a garden – and we had hundreds of amazing entries. But Grace's was our wonderful winner!

### The Tree

She stands guard over the garden,  
Hands poised touching the sky,  
She's watched the flowers grow  
from a seed,  
She has also seen them die.

She wears a dress of green ivy,  
With twigs stuck in her hair,  
A bird nest on her shoulders,  
But she doesn't care.

For she watches over the garden,  
And she is the key,  
To healthy and successful wildlife  
Even though she is only a tree.

Grace Timms, 10



**Congratulations, Grace! You've bagged a family day out at Kew, a brilliant book bundle, and a year's family membership to Kew. Plus, your poem will be displayed at Kew Gardens!**

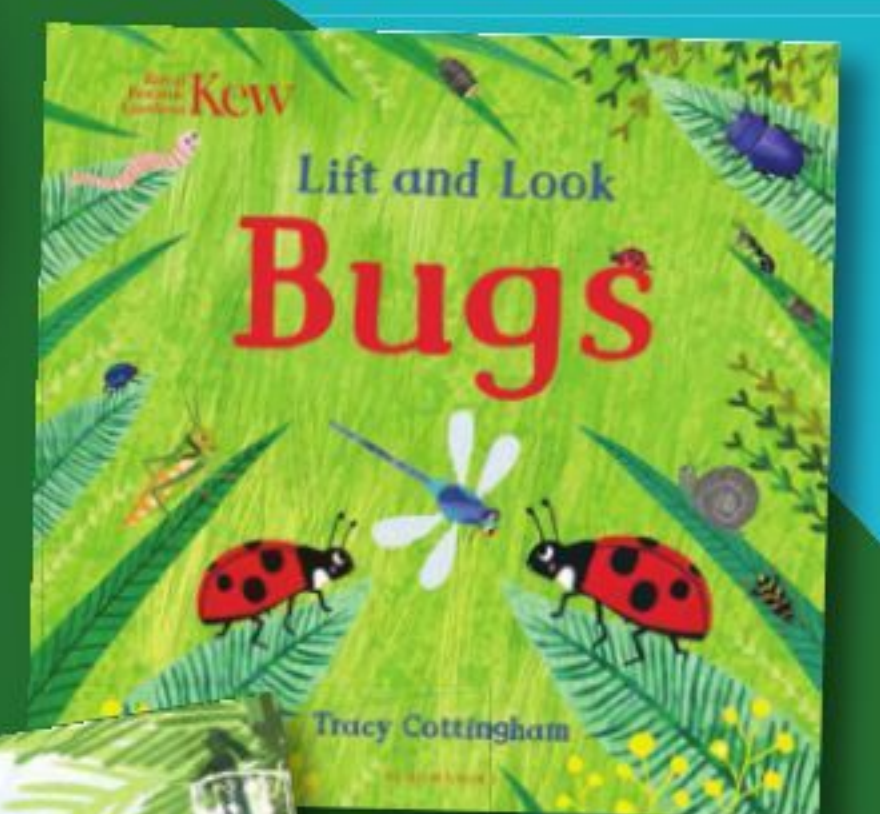
### THE JUDGE!

Young People's Laureate for London, poet **Momtaza Mehri**, LOVED reading your entries. Here's what she said about them...

*Winner Grace has made brilliant use of **extended metaphor**, and shows a knowledge of **poetic techniques**. Using the central figure of the **tree** as the **backbone of the poem** is really nice. It takes you on an **emotional journey**. Well done!*

*All your poems had a wide selection of different forms and **techniques**, and an inventive use of **imagery**.*

**Book your tickets now and save at [kew.org](http://kew.org)**



**Five runners-up** also scooped a **book bundle**, **Kew family membership** and will have their poems displayed at Kew. Read their winning words at [natgeokids.com/uk/kewcomp/](http://natgeokids.com/uk/kewcomp/)

Momtaza Mehri © Lee Townsend for Spread the Word. All other images © RBG Kew.





# BRICKOSAURS!

Only until  
1 SEPTEMBER

A **WORLD EXCLUSIVE**  
PREHISTORIC event with

**LEGO® bricks**

50 stunning, life-like  
**LEGO®** brick dinosaurs  
to discover.

Brick pit play area,  
FREE spotter's guide  
& lots more...



## Marwell Zoo

Save time & book online  
[marwell.org.uk](http://marwell.org.uk)

SO21 1JH. Owned & operated by Marwell  
Wildlife registered charity number 275433.

Our 140-acre wildlife  
park in Hampshire is  
home to hundreds of  
animals, from endangered Amur tigers,  
snow leopards and hippos to giraffes, white  
rhinos and penguins. Plus, with our new  
Tropical House, you're in for a wild time!

TROPICAL  
house



# IN IT TO

# WIN IT!

Enter on page 55 or online at [natgeokids.com](http://natgeokids.com)

WIN!

## HOT WHEELS RACE CRATE AND BARREL BOX

Start your engines and get ready for a breathless thrill ride! The **Hot Wheels Race Crate** lets you build **three extreme challenges** – Gravity Drop, Drag Race and Mega Jump. Put your skills to the test as you zoom around

over **2.4m of track**, tackling tricky obstacles like the **two-lane loop** and the **double slam launchers**.

The **Hot Wheels Barrel Box** includes **stacking barrels** that let you create even more **epic stunts**. Connect them to the **Hot Wheels Race Crate** for endless stunting possibilities. Vroom vroom!

Six speed freaks will win **both sets**.

● Race over to [amazon.co.uk](http://amazon.co.uk)



Q Which of these parts do all cars have?

- a) Cheering wheel
- b) Smearing wheel
- c) Steering wheel

WIN!

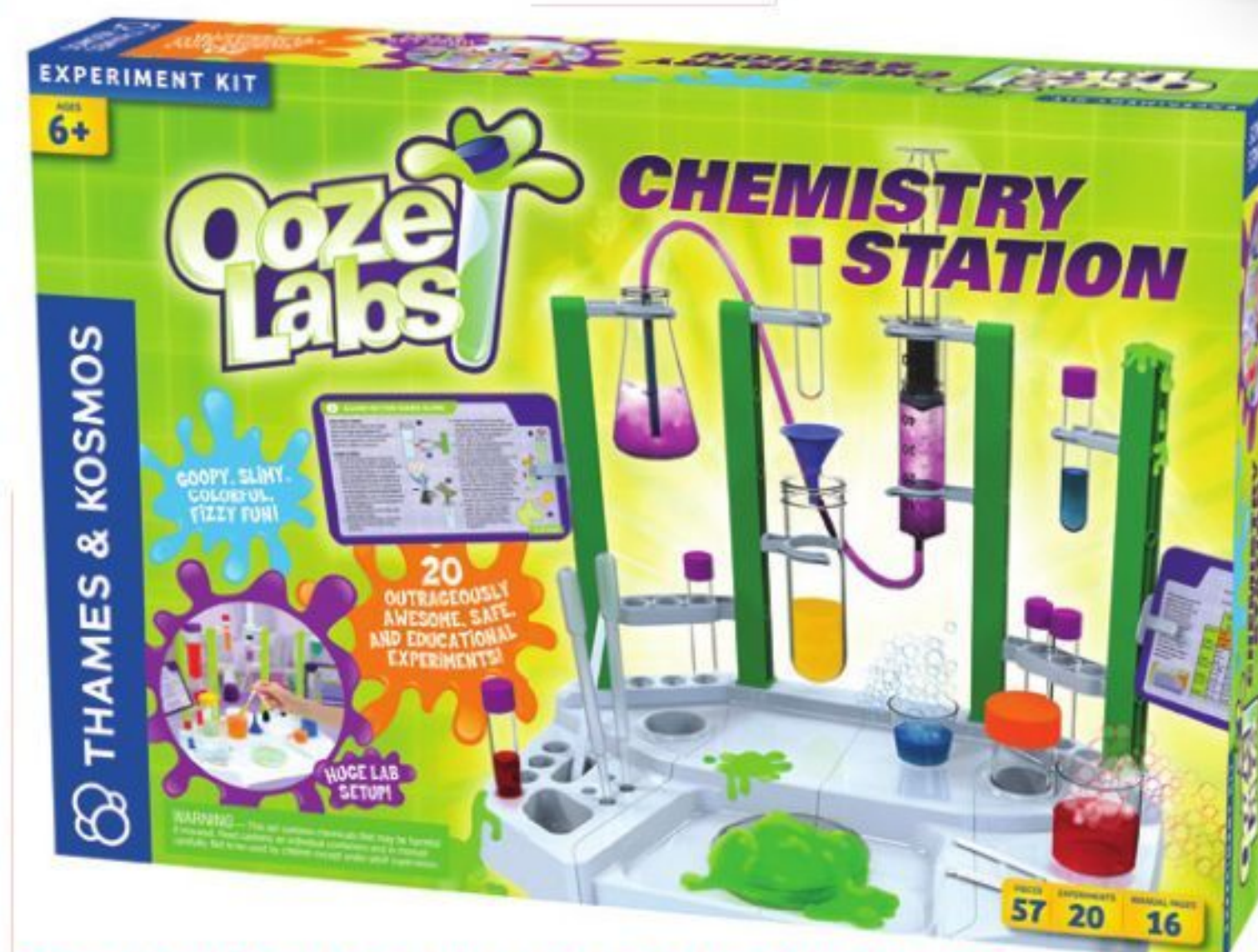
## OOZE LABS CHEMISTRY STATION

Enjoy lots of **squidgy, slimy fun** with the **Ooze Labs Chemistry Station** from **Thames & Kosmos**.

Set up the special **laboratory station** to mix up some exciting slippery, fizzy, colourful and bubbly experiments. This cool kit introduces you to the basics of **chemistry** with lots of different pieces of **lab equipment** – including a **syringe**, **measuring cup**, **pipette**, **spatula**, **petri dish**, **funnel** and more. You'll be able to carry out a whole range of **ace experiments**, from **cabbage juice pH tests** to **fizzing reactions**!

**Fourteen** readers will bag this awesome set.

● Get more super sets at [thamesandkosmos.co.uk](http://thamesandkosmos.co.uk)



Q Unscramble these letters to reveal something you'd wear in a laboratory.  
**BAL TOAC**

WIN!

## SPACE BOOK BUNDLE

Reach for the stars with this super selection of **space-themed books** from **Nosy Crow**.

Learn about the hard work **astronauts** do in **How to Be an Astronaut and Other Space Jobs**, then create an out-of-this-world space scene featuring astronauts, aliens and asteroids with **Make and Play: Space**.

In **Suzy Orbit, Astronaut**, Suzy must use her amazing **engineering skills** to help stop an alien attack, and in **Shifty McGifty and Slippery Sam: The Aliens are Coming!** the doggy detectives must team up to stop an alien invasion, too.

Finally, in **The Jamie Drake Equation**, Jamie must prove he's a hero when his **dad's space mission goes wrong**. Yikes!

**Five** space-mad readers will win **all five books** plus a **special poster** to celebrate the **50th anniversary of the Moon landing**.

● Available from all good bookshops

Q When did humans first set foot on the Moon?

- a) 1909 b) 1969 c) 2009





ENTER  
ALL  
COMPS  
ON PAGE  
55!

37 chances  
to win!

WIN!

## JOHN ADAMS SCIENCE KITS

Feed your curiosity with these **super science kits** from **John Adams**.

Experience what it's like to visit the Red Planet with **Mission to Mars**. Create **Martian soil** and **meteor craters**, and even test which **parachute design** is the best to land a rover.

**Rainbow Science** allows you to complete colourful, fun **rainbow-themed experiments**, and you can create awesome snap-together **electronics sets** with **Hot Wires**.

With the **Beating Heart** kit, fill the heart's chambers with water and connect the tubing. Attach the squishy heart cover and press the

balloon pumps to watch the heart beat realistically. Plus, power a clock using *brain-power* chemistry with **Thinking Time**!

We're giving away all **five sets** to **five** readers. Woo hoo!

● Read more about these cool kits at [johnadams.co.uk](http://johnadams.co.uk)

**Q** What was the name of the first rover to land on Mars?

- a) Snackfinder
- b) Pathfinder
- c) Lostkeysfinder



WIN!

## MOJ MOJ SQUISHY TOYS

**Moj Moj** are the crazily cute **collectables** that you won't want to stop **squishing, squashing** and **stretching**.

There are **95 different** Moj Moj to collect, each with **different personalities**, such as **adventure seekers**, **day dreamers**, **party animals** and **couch potatoes**!

The **Moj Moj Claw Machine** is the perfect place to store and display your lovable critters. Use your skills to control the **grabber** and lift your Moj Moj. Position them above the hatch, release, and watch your Moj Moj come tumbling out! The claw machine features **lights, music** and **sounds**, too, to give you an authentic **arcade experience**!

**Five winners** will get a **Moj Moj Claw Machine** and **12 packs of Original Moj Moj**.

● Grab yours from **Smyths Toys** and **The Entertainer**



**Q** Which of these games might you also find in an amusement arcade?

- a) Air Hockey
- b) Air Rugby
- c) Air Badminton



WIN!

## RAZOR FOLDING ELECTRIC SCOOTER

Wizz along with the super-cool **Razor Power A2 folding electric scooter**.

This stylish ride adds some serious **power** to your journey. Kick-start the motor then press in the throttle button to reach speeds of up to **16kmph**. Whoa! Ride the sleek, **lightweight scooter**

for up to **40 minutes** before the battery runs out of juice.

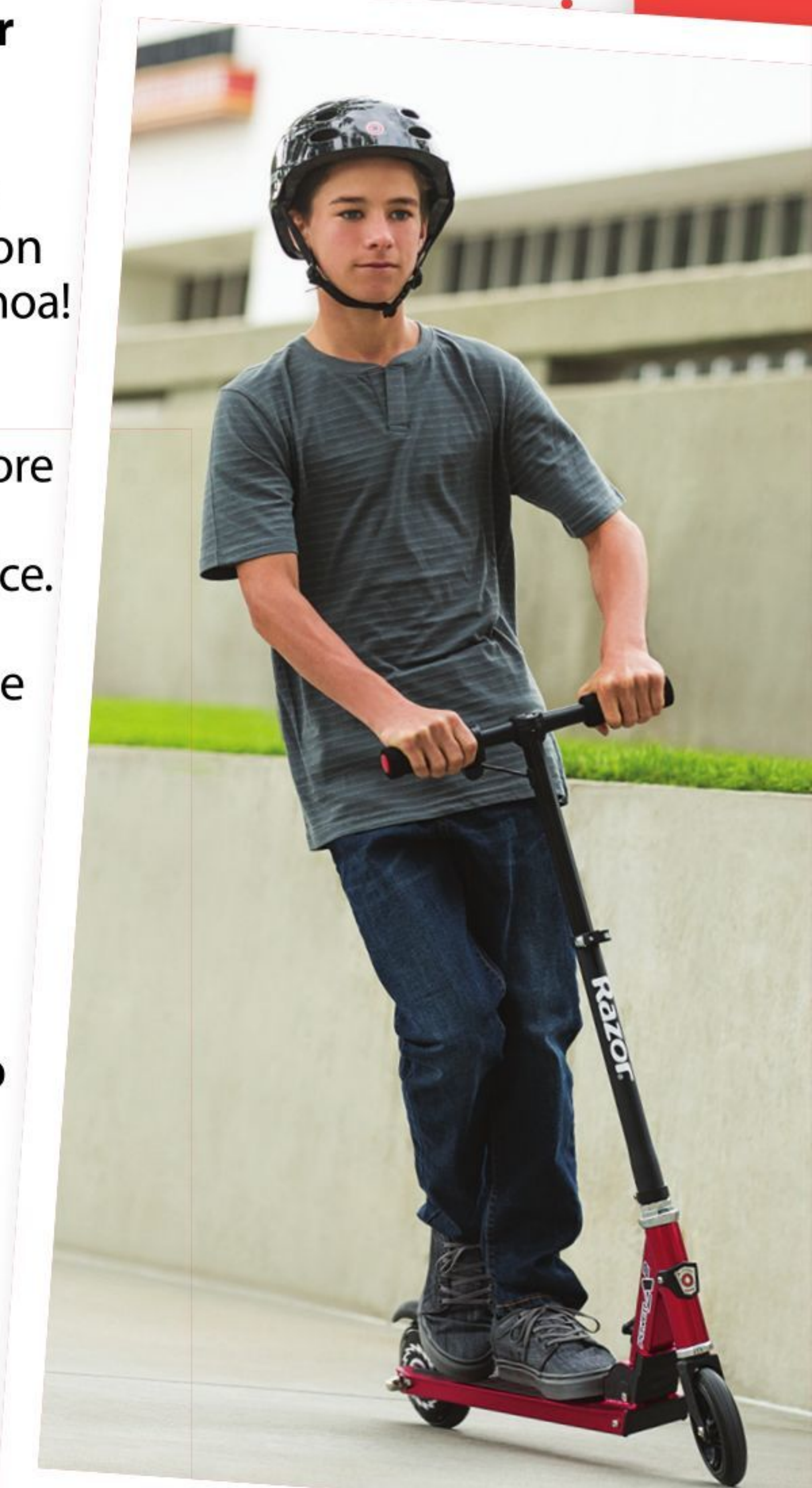
When the fun is done, fold it away and it can be charged up for the next time. Summer fun, here we come!

We have **two** of these super **Razor scooters** to give away!

● For more rad rides, nip over to [skatehut.co.uk](http://skatehut.co.uk)

**Q** Which of these animals is the fastest?

- a) Snail
- b) Sloth
- c) Springbok



Age 8+. Always wear protective gear when riding. For use on private property with owner's permission only.



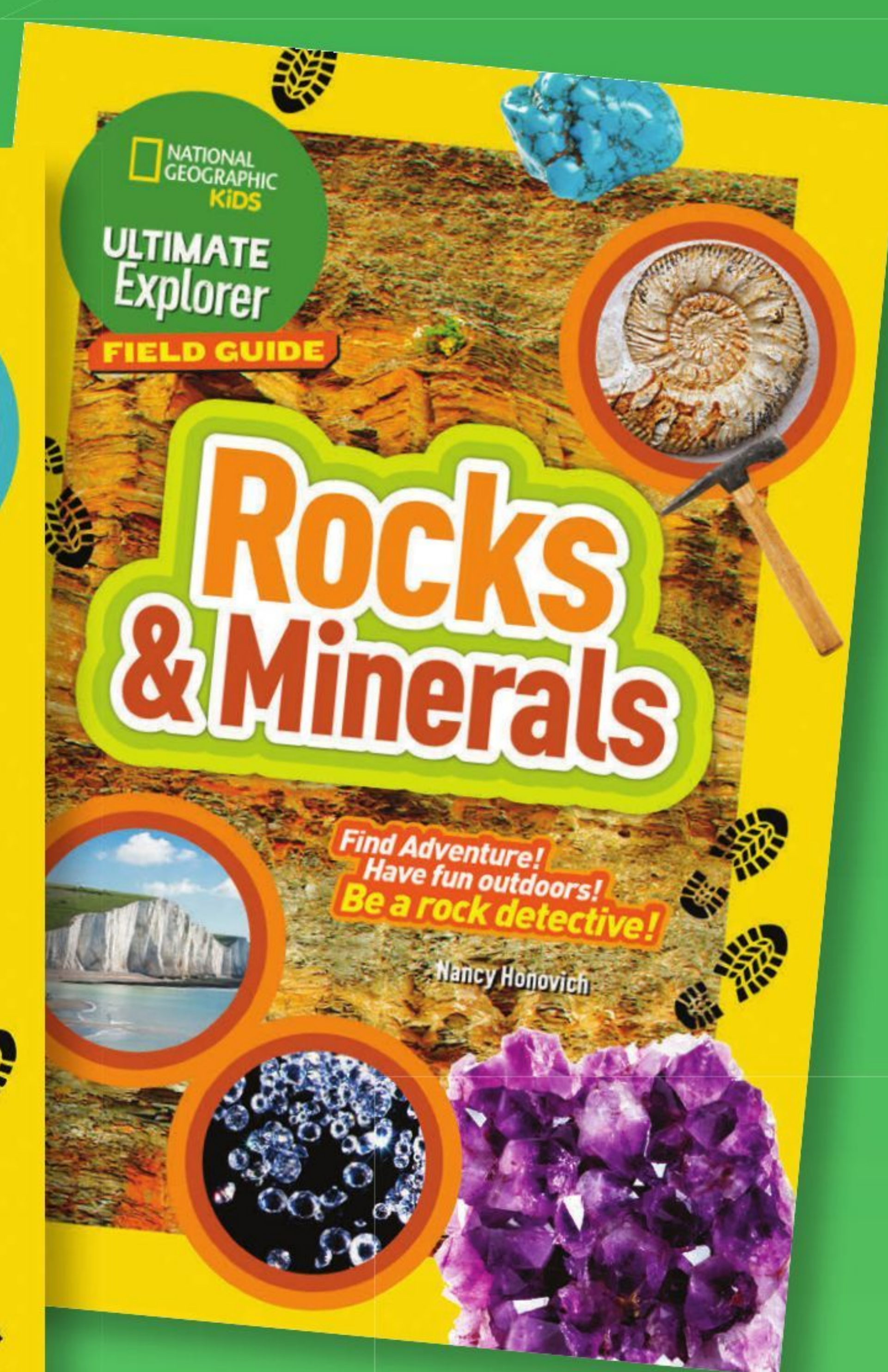
# Do you want to be AN EXPLORER?



Awaken your inner explorer with our range of *National Geographic Kids Ultimate Explorer Field Guides*! Look up to find the galaxy's brightest stars and discover different constellations with the help of our handy *Ultimate Explorer Night Sky* guide. Become a rock detective and identify gem stones with the *Ultimate Explorer Rocks and Minerals* guide, and spot 200 breeds of birds with the help of our *Ultimate Explorer Birds* guide.

Only  
**£6.99**  
Each

And that's not all... each book contains amazing activities and tons of awesome facts and jokes to tell your family and friends!





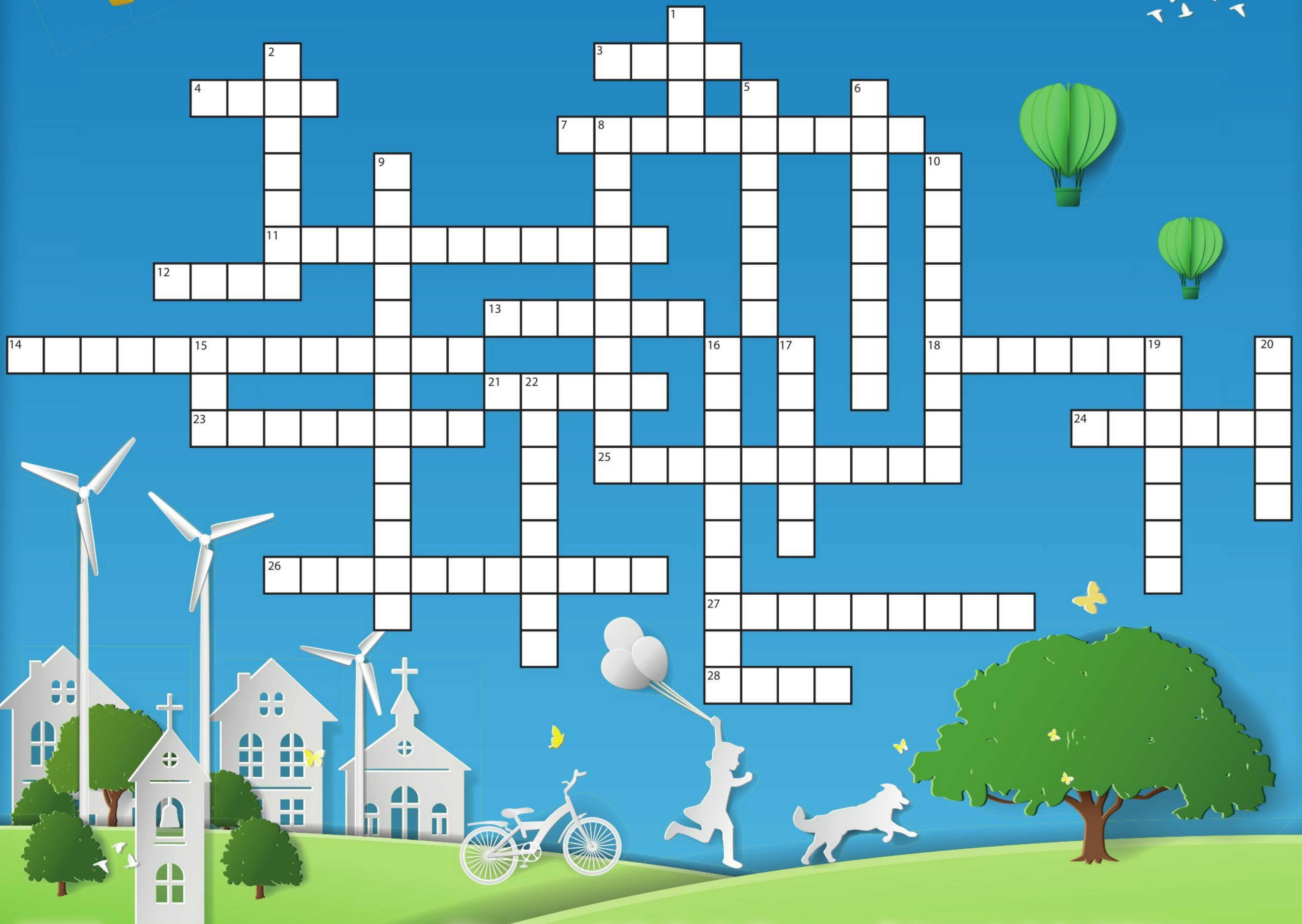
# FUN

# STUFF

GAMES, LAUGHS, AND LOTS TO DO!

## THE BIG GREEN CROSSWORD

Have a go at our cool conservation puzzler and test your knowledge of the environment! Answers on page 56.



### ACROSS

- 3** Tall plant with trunk and branches (4)
- 4** Eating less of this food can be good for the planet (4)
- 7** Coal, oil and gas are all types of this (6, 4)
- 11** Taking so much sealife from the water that species can't replace themselves (11)
- 12** Rhinos are killed for this body part (4)
- 13** Threatened spotted wildcat from the Americas (6)
- 14** 'Global warming' causes this (7, 6)
- 18** Pollution-free vehicle (7)
- 21** Don't feed this to ducks. It's bad for them and clogs up waterways! (5)

- 23** Another name for illegal hunting (8)

- 24** Rubbish left laying around (6)
- 25** Energy produced by the sun (5, 5)
- 26** Huge device used to harness the flow of air (4, 7)
- 27** Turning rubbish into new materials (9)
- 28** Extinct flightless bird (4)

### DOWN

- 1** Flying insects that pollinate plants (4)
- 2** Inflatable, poppable decoration – best avoided (7)
- 5** Single-use drinks bottles made from this material are polluting the oceans (7)
- 6** Shelled reptile that lives in the ocean (3, 6)

- 8** Orange animals whose habitats are destroyed for palm-oil plantations (10)
- 9** Climate change-causing gas, also written as CO<sub>2</sub> (6, 7)
- 10** Mammal affected by shrinking sea ice (5, 4)
- 15** Turn this off while you're cleaning your teeth (3)
- 16** When a species is near extinction (10)
- 17** Instead of turning the heating up, put this on (6)
- 19** When a species of animal or plant doesn't exist anymore (7)
- 20** Tube used to drink through. Avoid plastic ones! (5)
- 22** Can be utilised again and again (8)



# WHAT IN THE WORLD?

## FOR YOUR AMUSEMENT

These photos show views of things you might find at an amusement park or fairground. Unscramble the letters to help identify what's in each picture. **Bonus:** Use the yellow letters to help you answer the joke below...

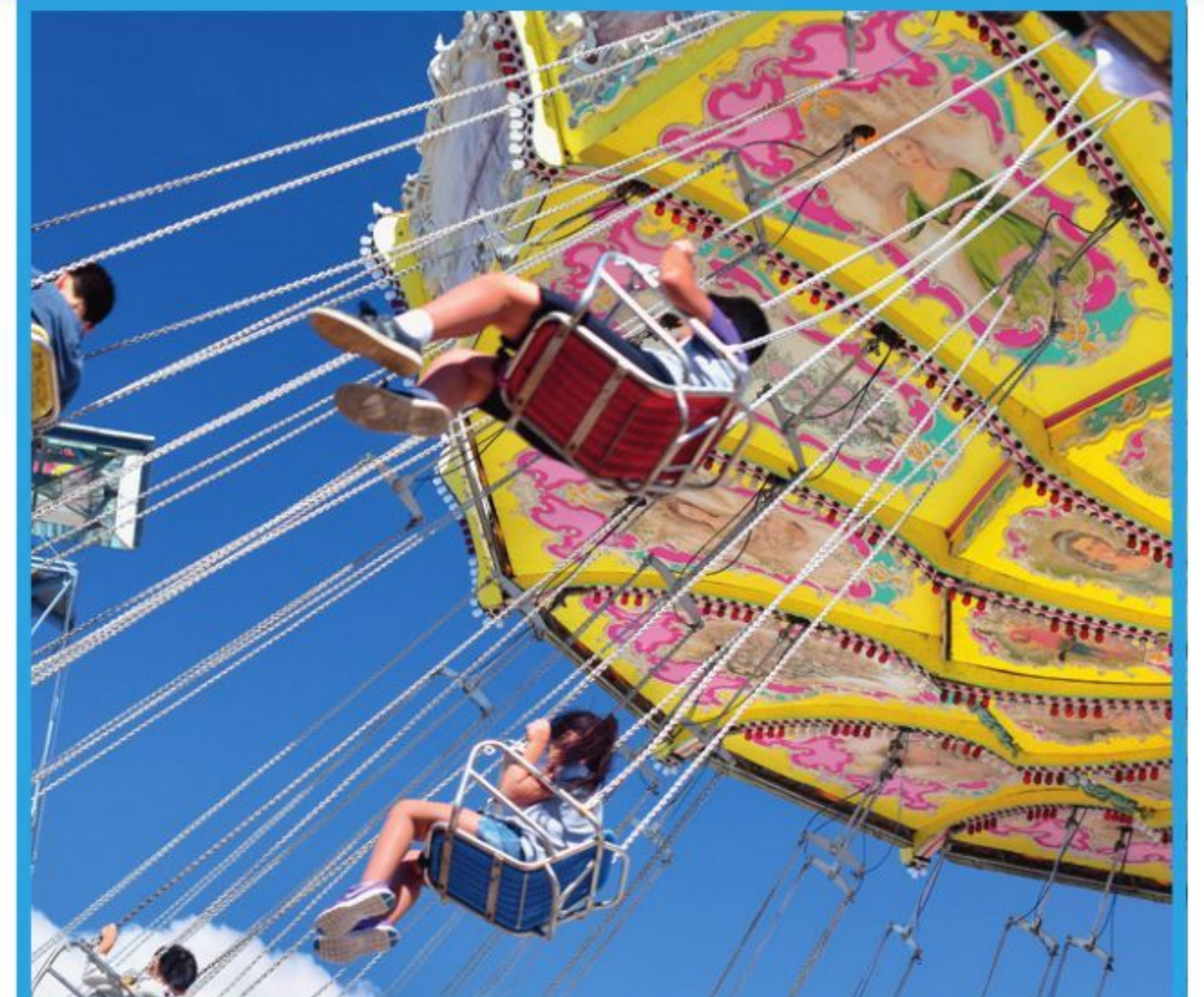
Answers on page 56



UUDGTNOH



ADCARE MEAG



WISGN LOUACRSE



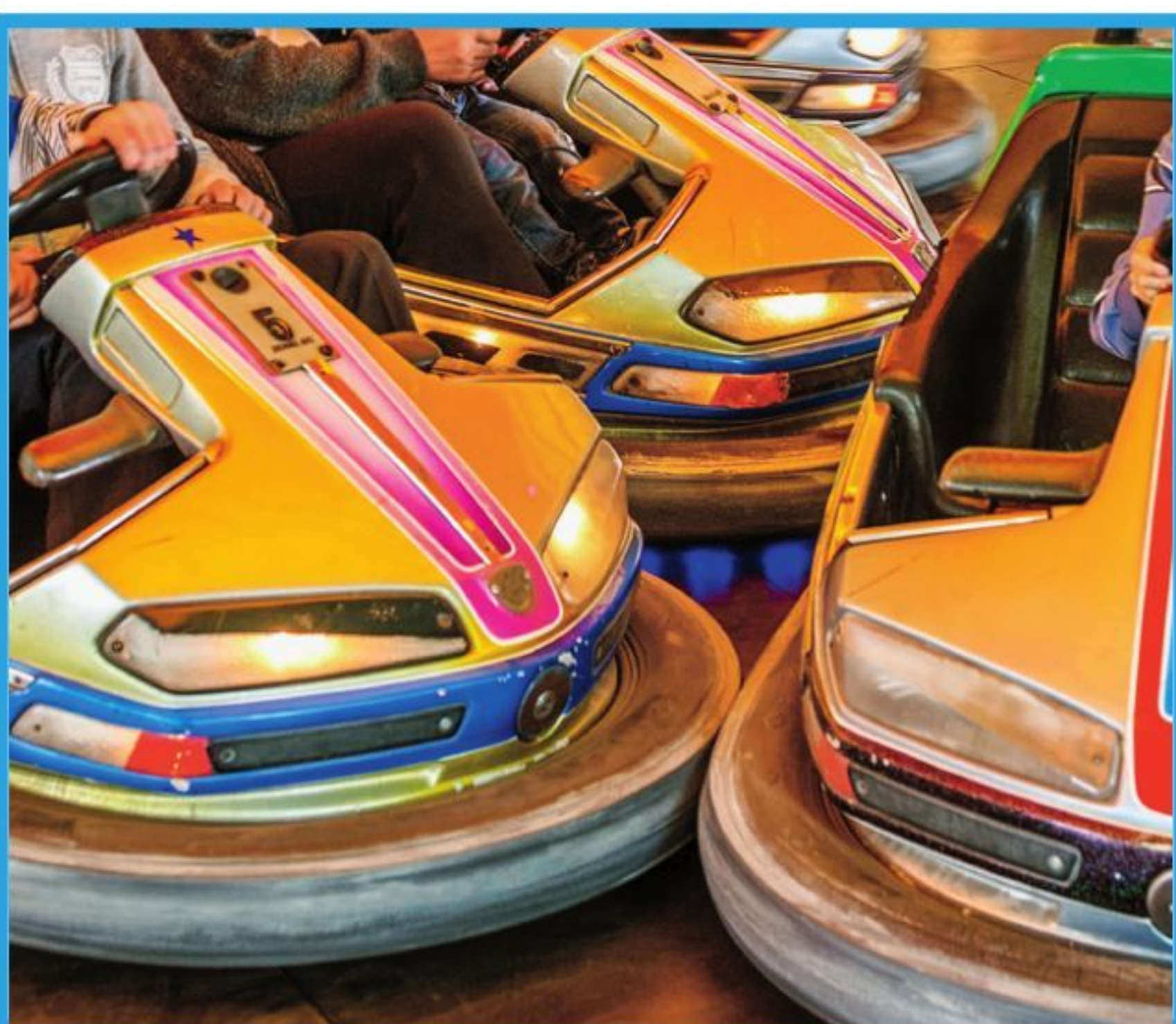
LEORLR ASCRTEO



EIC AMCER



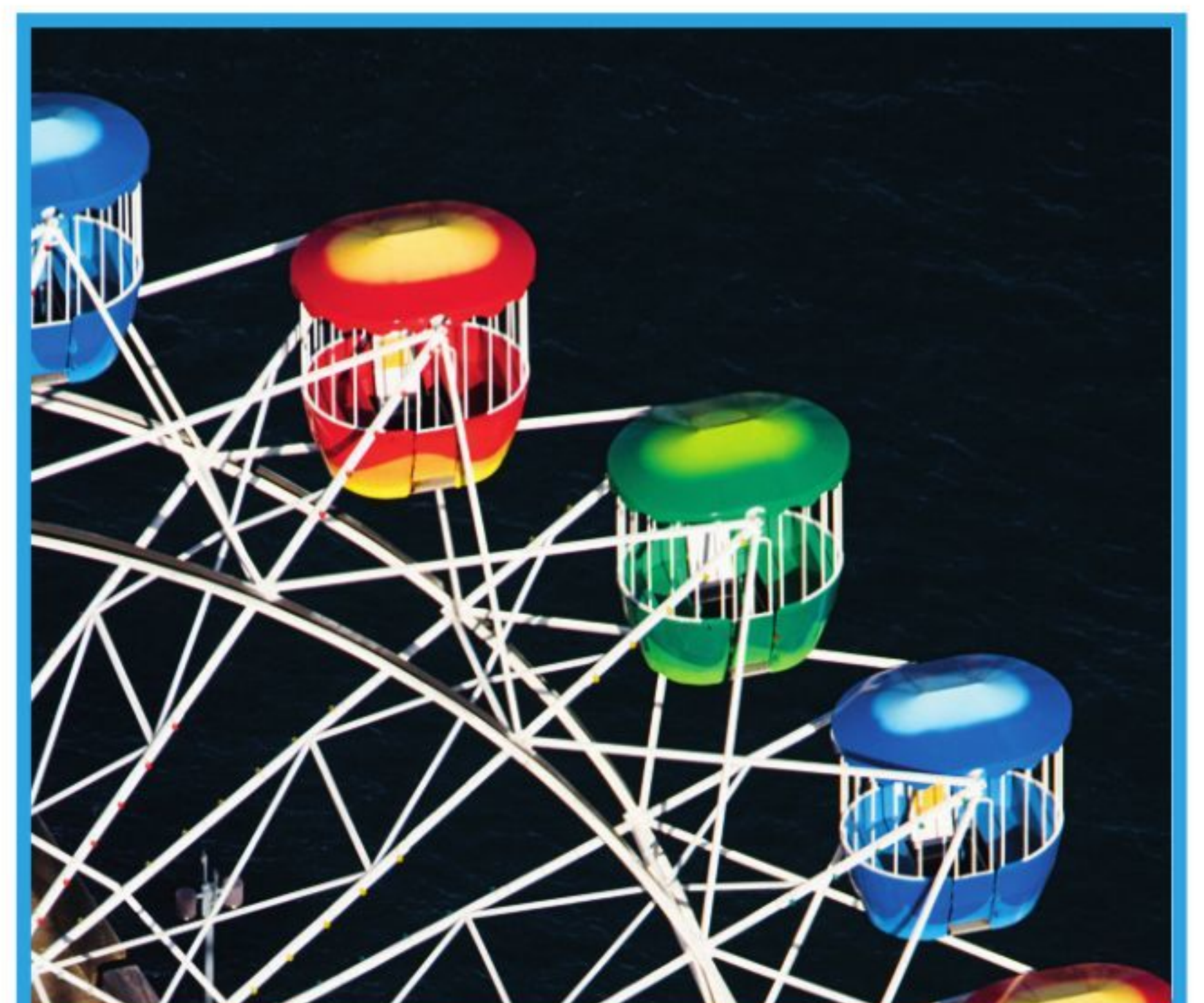
SEIPRZ



URBEPM ACSR



NAYCD SFOLS



ERFSIR ELHEW

**QUESTION:** What's a timid person's favourite fairground game?

**ANSWER:** H \_ \_ C \_ \_ \_ N \_ \_ \_ H \_



# FIND THE HIDDEN ANIMALS

Animals often blend in with their environments for protection. Can you spot each animal listed below in one of the images? Write the letter of the correct photo next to each animal's name.

Answers on page 56

1. Crabs \_\_\_\_\_

2. Hare \_\_\_\_\_

3. Alligator \_\_\_\_\_

4. Praying mantis \_\_\_\_\_

5. Seal \_\_\_\_\_

6. Frogfish \_\_\_\_\_





# FUN STUFF MAKE IT

# NO-COOK

Make your own play clay and let your imagination go craaaazy!

## What you'll need

- 2 cups of plain flour
- 2 tablespoons of vegetable oil
- ½ cup of salt
- 2 tablespoons cream of tartar
- 1 cup of just-boiled water
- Food colouring
- Mixing spoon
- Large mixing bowl
- Small bowl



## Start here!



1

Mix up the flour, salt, cream of tartar and oil in a large mixing bowl.



2

Ask an adult to measure one cup of boiling water and pour it into a small bowl. Then add a large splash of food colouring.

Ask an adult for help!



3

Ask the adult to pour the hot water bit by bit into the mixing bowl and stir until it becomes a sticky dough. You might not need all the water.



4

Once the mixture's cooled, take it out of the bowl and start to knead it on a floured surface. Do this firmly for a good few minutes until the stickiness has gone and it's a nice texture. Still sticky? Add a sprinkle more flour!

5

Once your play clay is smooth and nice to handle, start creating! Try making a few different colours.



**TOP TIP**  
You can store your play clay in an airtight container for a few months!





## Get Experimental!

### SPAGHETTI TOWERS

Create feats of engineering with pasta and marshmallows!

- 1 Use **marshmallows** (or bits of marshmallows) to join lengths of **uncooked spaghetti** together and make cool **structures**!



- 2 Start with a simple **cube**. Does it hold its shape?

- 3 Experiment with **different shapes** to see which make the **strongest structures**. Then try to build the **tallest tower** you can!

#### TOP TIP

A tall tower will have lots of weight pushing down from above, so the **base needs to be stronger** than the top.



#### What's going on?

When you build a **cube**, you'll probably find it **collapses** with the **slightest push**! That's because the cube's **corners** act like **hinges**. It can be **bent** out of shape just by changing the **angles**!

**Triangles** make great **bases** for structures

because the corners are NOT like hinges – the **third side** holds the **other two** in place. So, if structures are based on triangles, you can apply more **force** and they will still keep a basic shape!

Good structures need to be **stiff and strong** so they can take a lot of **force** before they collapse.

This fun home science experiment is from our pals at the **Royal Institution**. Check out more cool activities at [rigb.org/families](http://rigb.org/families) and head online to book a place on the RI's popular **Summer School** workshops!



NATIONAL  
GEOGRAPHIC  
**KIDS**

Send us  
your entries  
by 4 July 2019

## COMPETITION ENTRY COUPON

Just tick the box of any competitions you want to enter!

### PAGE 10-11 WHAT'S UP?

**Thunderbirds Are Go goodies** ☐

What's the last name of the brothers who run International Rescue?

Tracy ☐ Sharon ☐ Beverly ☐

**Book bundle** ☐

When a plant or tree produces flowers it does what?

Blames ☐ Blimeys ☐ Blooms ☐

### PAGE 48-49 WIN IT!

**Hot Wheels** ☐

Which of these parts do all cars have?

Cheering wheel ☐ Smearing wheel ☐ Steering wheel ☐

**Ooze Labs Chemistry Station** ☐

Unscramble these letters to reveal something you'd wear in a laboratory...

BAL TOAC

**Space book bundle** ☐

When did humans first set foot on the Moon?

1909 ☐ 1969 ☐ 2009 ☐

**John Adams Science Kits** ☐

What was the name of the first rover to land on Mars?

Snackfinder ☐ Pathfinder ☐ Lostkeysfinder ☐

**Moj Moj squishy toys** ☐

Which of these games might you also find in an amusement arcade?

Air Hockey ☐ Air Rugby ☐ Air Badminton ☐

**Razor folding electric scooter** ☐

Which of these animals is the fastest?

Snail ☐ Sloth ☐ Springbok ☐

Winners will be chosen at random  
from correct entries. **GOOD LUCK!**

Now turn over and answer  
some easy questions!



# OVER TO YOU!

Your chance to tell us what you think

## What made you buy NG KiDS this month?

- ☐ If you subscribe, please tick this box
- ☐ The cover photo (polar bear) ☐ 178 Prizes To Win!
- ☐ 40 Ways To Help Our Planet ☐ Save The Earth!
- ☐ How To Make Play Clay! ☐ What Do Your Dreams Mean?

## What's the best thing about this issue?

## What's your least favourite thing about this issue?

## What changes have you made at home to help the planet?

## WRITE TO US!

Do YOU want to appear on our Junior Explorers' Club pages? Ask your parent or guardian to email your letters, drawings and photos to us at [kids@ngkids.co.uk](mailto:kids@ngkids.co.uk) or post them to the address below – and we could print them in Nat Geo Kids!

## YOUR DETAILS!

Name ..... Date of birth .....

Address .....

Postcode .....

If you are under the age of 13, please ask a parent or guardian to complete this section:

Parent/guardian's name .....

Parent/guardian's signature .....

Telephone .....

Email .....

I acknowledge my child's participation in entering these competitions, the reader survey and/or the JEC page.

We like to stay in touch with our readers to tell them about all of the latest cool offers and awesome news from Nat Geo Kids. We won't share your information with third parties – unless you've won a comp!

- ☐ Ask your parent or guardian to tick this box if they're happy for us and prize providers to contact you regarding comp entries and your appearance in the mag
- ☐ Ask your parent or guardian to tick this box if they'd like to receive our email newsletter

Cut along the dotted line and send this entry coupon to:  
NG KiDS Competitions July 2019 issue, Third Floor,  
12-14 Berry Street, London, EC1V 0AU  
**Hurry – the closing date for entries is 4 July 2019!**

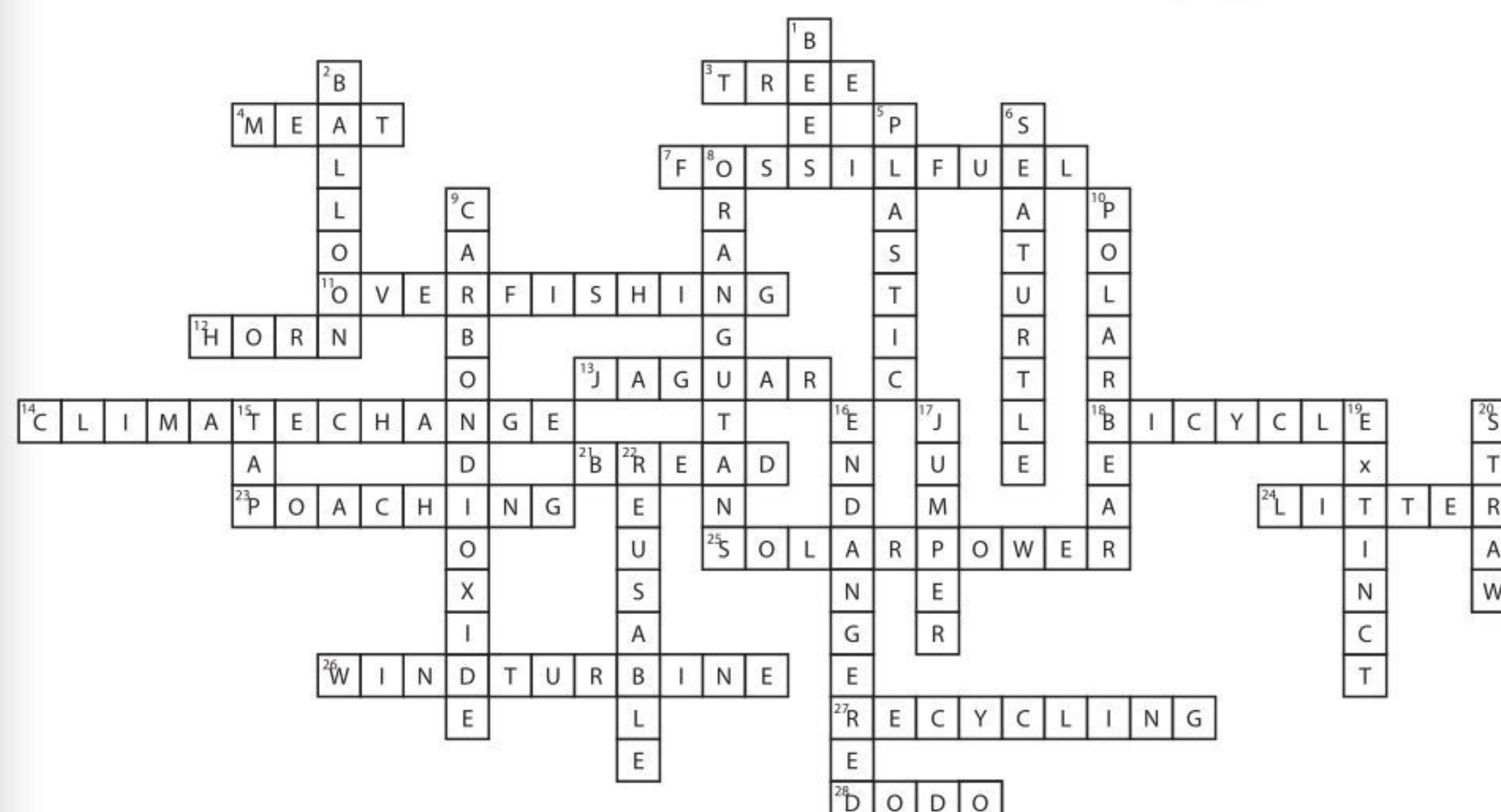
NATIONAL GEOGRAPHIC Kids competitions are open to residents of the UK, Eire and the Channel Islands, except employees of Creature Media Ltd, National Geographic Society, and their families, or any associated companies. Entrants to NATIONAL GEOGRAPHIC Kids contests must be 16 or under. No purchase necessary. Only one competition entry per person. Winners will be the first correct entries drawn after the closing dates. The editor's decision is final. No responsibility can be taken for entries lost or damaged in transit. A list of winners will be available by contacting National Geographic Kids no earlier than six weeks (unless otherwise stated) after the close of the competition. Only the surname and county of the winners will be disclosed. Prizes subject to availability. No cash alternative for any prizes will be offered. Winners may be required to partake in media activity relating to the competitions. We will only share winners' personal details with third parties if they have won a competition, in order for your them to receive their prize. These details are to be used for prize-giving only and not marketing purposes. For full details of our privacy policy, please go to [natgeokids.com/privacy](http://natgeokids.com/privacy)

# FUN STUFF ANSWERS

## TINY MYSTERY (page 35)

T F A T H G U Q E Y  
A O T U E S D A Y G  
E B U E E T A V P C  
T U E S D A Y I Y T  
M N S D Y O W A E U  
J F D A R A D H I E  
W K A Y T S Y P X S  
G E Y W E A G B V D  
S D A U W N G D J A  
U R T T U E S D A Y

## THE BIG GREEN CROSSWORD (page 51)





**natgeokids.com**

**Editor** Tim Herbert  
**Art Editor** Ed White  
**Features Editor** Georgia Harrison  
**Digital Editor** Gemma Chandler  
**Education Editor** Kate Stephenson  
**Senior Designer** Claire Brisley  
**Staff Writer** Alexander Tan  
**Thanks to** Amanda Prouten, Paul Kane, Vincent Vincent and Danny Colquhoun Firth

**Creature Media Ltd,**  
 Third Floor,  
 12-14 Berry Street,  
 London, EC1V 0AU



**Editorial enquiries** 020 7014 3760  
**Advertising enquiries** 020 7014 3769  
**Financial enquiries** 020 7014 3763  
**Fax** 020 7014 3776

**Managing Director** Peter Johnson  
**Financial Director** Ray Behan  
**Finance Assistant** Jo Draper  
**Promotions and Partnerships Director** Tracey Steel  
**Promotions and Partnerships Executive** Francesca Duggan

**Senior Marketing Manager** Teri Williams  
**Marketing Executive** Emily Meredith

**Printed by** LSC Commuincations, Sp.z.o.o. Ul.  
 Obrono Modlina 11, PL-30733, Krakow, Poland

**Distributed by** Seymour Distribution Limited  
 2 East Poultry Avenue, London EC1A 9PT

© **Creature Media Limited.** All rights reserved.  
 No part of this publication may be reproduced,  
 stored in a retrieval system, or be transmitted in any  
 form or by any means, electronic or mechanical,  
 without prior consent of Creature Media Limited.

**Published by National Geographic Partners LLC**  
**Chief Executive Officer** Gary E. Knell  
**Chairman of the Board of Directors** Peter Rice  
**Executive Vice President and General Manager,**  
 National Geographic Media David Miller  
**Senior Vice President, Kids Media, Content**  
 Jennifer Emmett  
**Senior Vice President, Global Media and**  
**Experiences** Yulia Boyle, **Director, International**  
**Media;** Jennifer Jones, **Senior Manager,**  
**International Media;** Rossana Stella.

**NATIONAL GEOGRAPHIC KIDS Magazine**  
**Editor in Chief and Vice President,**  
 Kids Magazines & Digital Rachel Buchholz  
**Vice President, Visual Identity**  
 Eva Abscher-Schantz  
**Design Director, Magazines**  
 Eileen O'Tousa-Crowson  
**Editorial** Kay Boatner,  
**Senior Editor / Digital Producer;**  
 Allyson Shaw, **Associate Editor / Digital Producer**  
**Photo** Shannon Hibberd, **Senior Photo Editor**  
 Hillary Leo, **Contributing Photo Editor**

National Geographic Kids is published 13 times  
 a year by Creature Media Limited under license  
 from National Geographic Partners LLC. For more  
 information contact [natgeo.com/info](http://natgeo.com/info).

**Copyright** © 2019 National Geographic Partners LLC.  
 All rights reserved. National Geographic Kids and the  
 Yellow Border Design are registered trademarks of  
 National Geographic Society and used under license.

NG KIDS is printed on paper using wood from  
 sustainable sources.

**Subscribe to NATIONAL  
GEOGRAPHIC KIDS!**

**Website:** [natgeokids.com](http://natgeokids.com)

**Email:** [help@ngkids.co.uk](mailto:help@ngkids.co.uk)

**School  
resources  
for teachers  
online!**

© Getty Images UK



*I'm crazy  
about  
cuddles!*

On sale  
**20**  
June.  
Don't miss  
it!

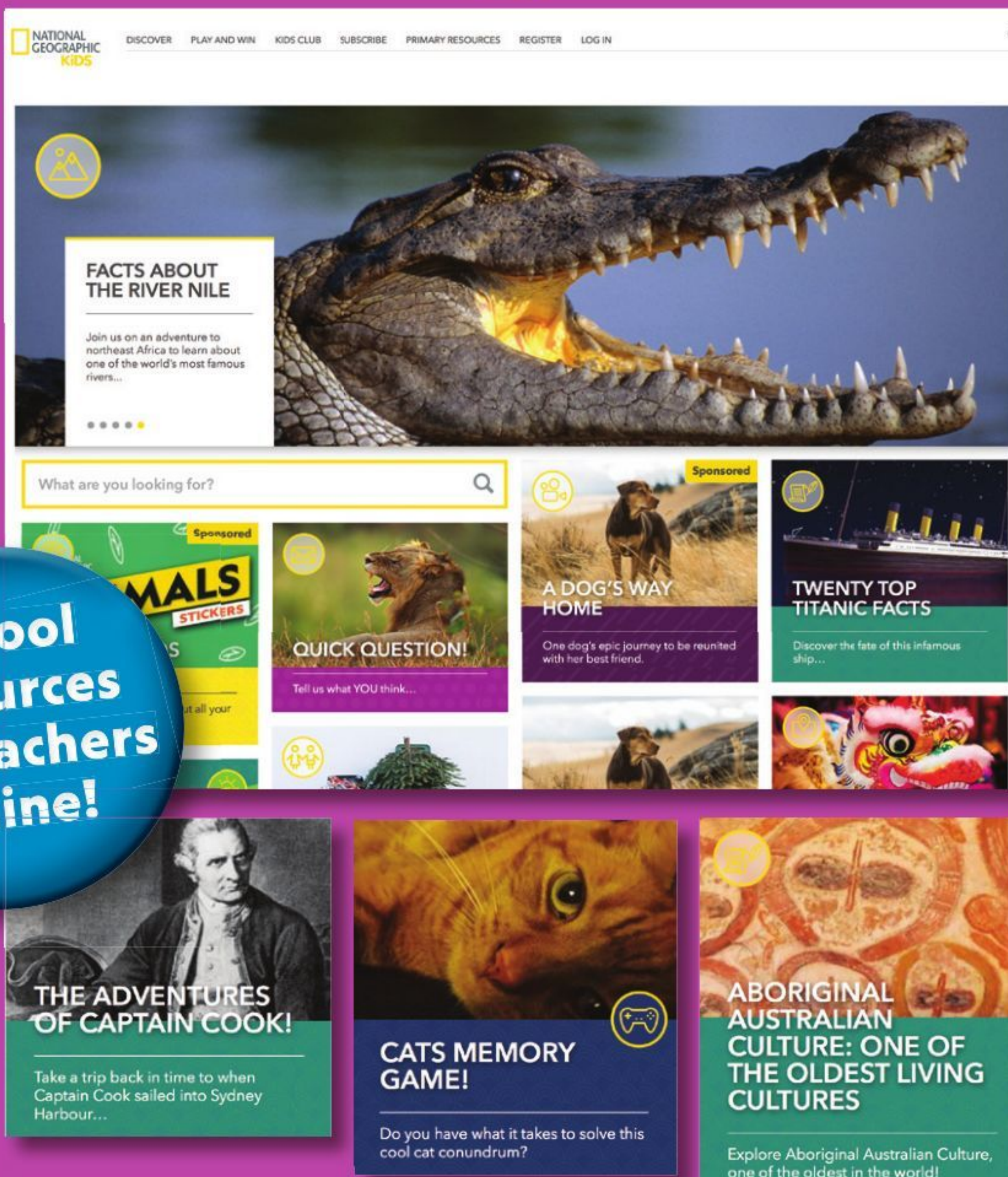
In next month's  
**NG KIDS...**

**THE GREEN OSCARS**  
 We meet six cool  
 conservation heroes!

**Fab facts  
about the  
Moon!**

**Amazing  
animal  
eyes!**

**CHECK OUT OUR BRILLIANT WEBSITE!**  
**natgeokids.com**



**Bigger, better and  
brighter than ever!**

**Packed with fun  
features, quizzes  
and comps!**

**Customise your visit!**

**Comment on your  
favourite pages!**

**Helps with homework!**

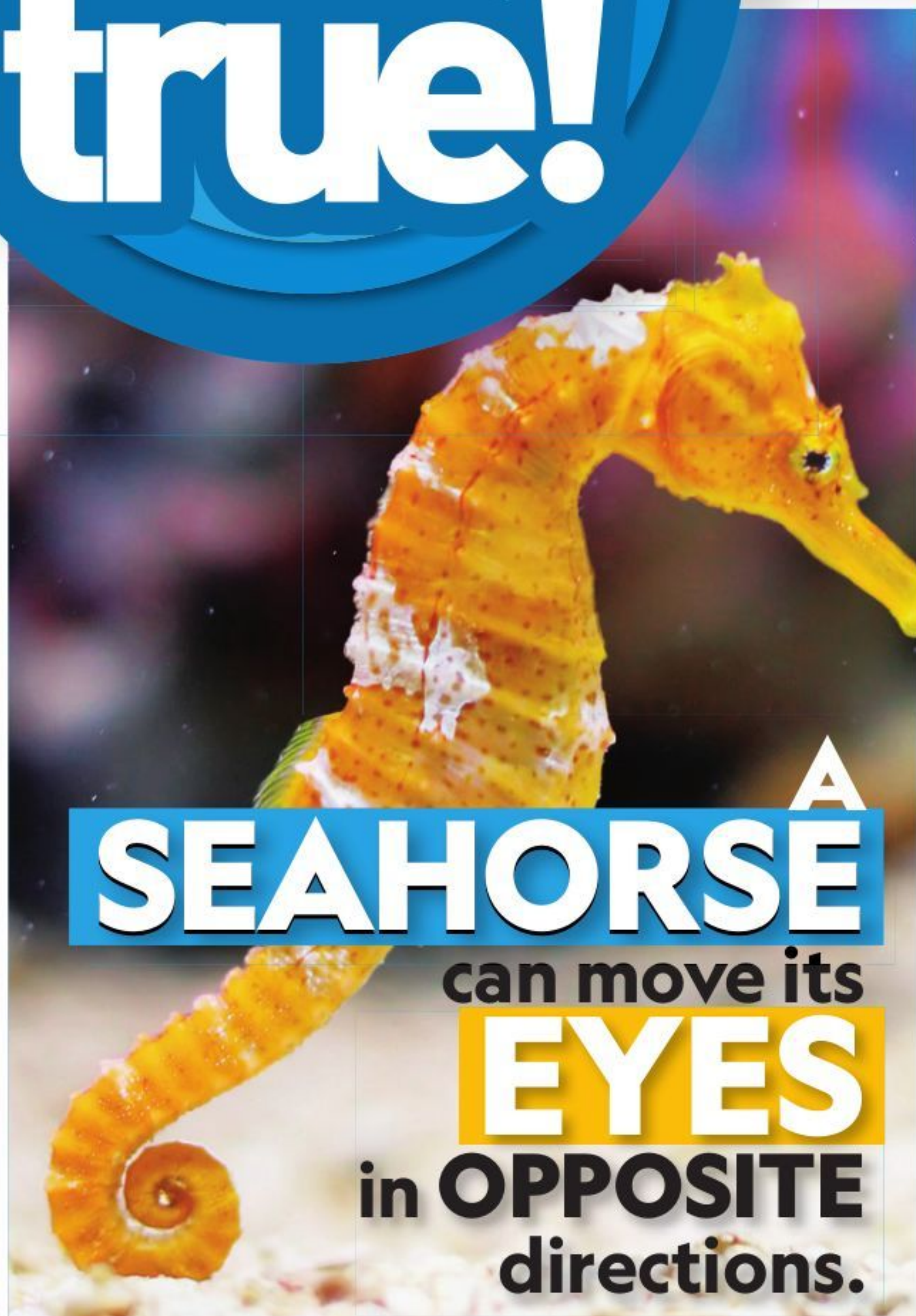
**Upload your reports!**

**Play great games!**

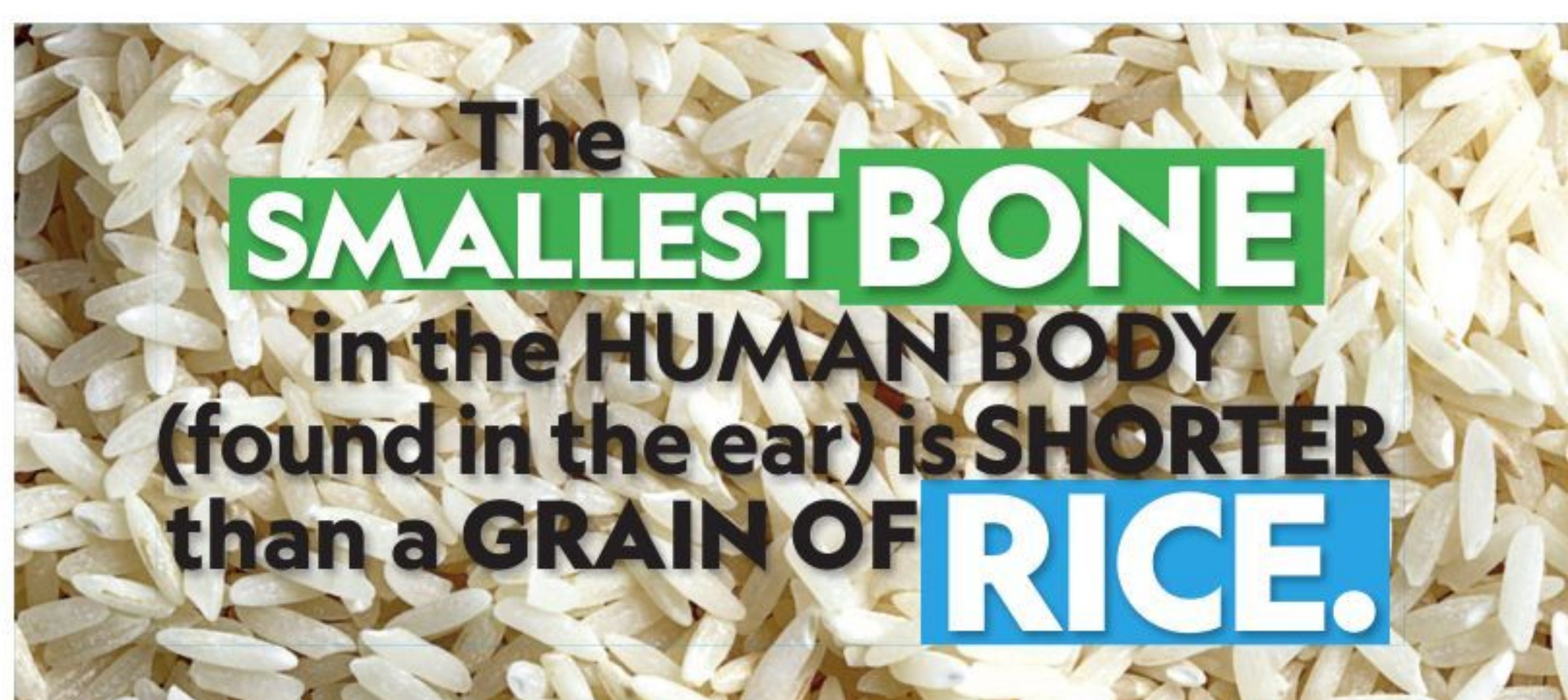


# weird but true!

Check out these  
outrageous facts...



More than **2 MILLION ANIMALS FLY** in **AEROPLANES** in the USA every year.





# SUBSCRIBE TODAY!

Visit **natgeokids.com**

Do you love Nat Geo Kids? Well, if you become a subscriber, you'll get your favourite magazine delivered direct to your door every month, before it hits the shops - and you'll get exclusive fact cards and special competitions!

If you're one of the **first 50 new subscribers this month**, you'll also receive a fantastic gift, worth nearly £30, totally **FREE!**\*

## PARENTS!

A subscription to **National Geographic Kids** magazine is the perfect gift for inquisitive boys and girls. Packed with fun features about nature, science, geography, history and popular culture, **Nat Geo Kids** gets children excited about their world.

Six cool, collectable animal fact cards **FREE** with each issue!



Annual subscription  
**£35**

**FREE GIFT\***

Regular price £50  
**QUOTE CODE NGK230**

## THE DEEP BOOK BUNDLE

The **Nektons** are a family of daring **deep-sea explorers** with a thirst for **discovery**. Join their **exciting ocean adventures** in this super new series of books.

In **Dragon Rider**, the Nektons discover an ancient sea creature hidden in the depths of the **South China Sea**. And in **Selkie Warrior** boats are going missing off the coast of **Australia**. The family set out to investigate! But will they be able to solve the mystery

and make it back alive?

In **The Deep Official Handbook**, get in-depth info about the Nektons, their **submarine**, and all the crazy creatures they meet. Then enjoy ace **activities, stickers, games, puzzles** and a **pirate adventure** in **The Deep Sticker and Activity Book**.

The first 50 new **NG KIDS** subscribers this month will receive all four of these books!

● Available in all good bookshops and online

Gift worth  
**£28**



Please note, subscription copies of Nat Geo Kids magazine do not include covermounted gifts but do include collectable fact cards.  
\* The first 50 people to subscribe to the magazine will receive the above free gift, subject to availability. Thereafter, all new subscribers to the magazine will receive one free, random stock gift. Offer ends 15 August 2019. For full prices and Ts&Cs please visit **natgeokids.com**





ADVERTISEMENT

# LOVE ANIMALS?

SUBSCRIBE TO  
**ANiMal  
action**  
MAGAZINE

ONLY  
**£7.50**  
for 4 issues

FASCINATING  
FACTS



AMAZING  
RSPCA

GREAT  
COMPETITIONS

EXCITING  
RSPCA RESCUES

Go to: [www.rspca.org.uk/subscribeNG](http://www.rspca.org.uk/subscribeNG)

RSPCA, Wilberforce Way, Southwater, Horsham, West Sussex RH13 9RS.

Data Protection Act: Data on minors is never disclosed to third parties and we do not send direct marketing fundraising literature to under 18s.

The RSPCA helps animals in England and Wales. Registered charity no. 219099. [www.rspca.org.uk](http://www.rspca.org.uk)