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# THE WORLD'S BEST NEWS & FACTS FOR YOUNG PEOPLE

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9 June 2018 • Issue 131 • £1.99

**Making sense of the world**

# THE WEEK

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The planet's biggest football contest is about to begin **p12**

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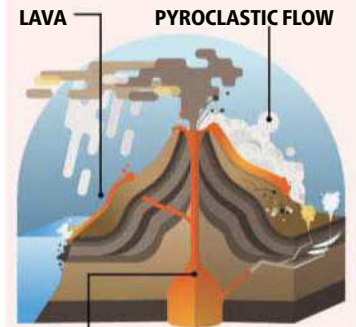


**WOW!**  
At any given time, there are on average between 10 and 20 volcanoes erupting around the world.

# This week's big news

Ash from the volcano covered vehicles and homes.

## Why do volcanoes erupt?



MAGMA

Deep below the surface of our planet is an extremely hot sphere of metals known as the Earth's core. Surrounding the core is the mantle, made of mostly solid rock, and also super-hot liquid rock called magma. Above the mantle is the Earth's crust, which is divided into huge tectonic plates. Most volcanoes are found at the plates' edges. When these plates grind together, a huge amount of energy is created and magma from the mantle pushes up through the crust. Hot rock, gas and ash then spew up into the sky. When magma erupts from a volcano, it's called lava.



# Guatemala's Volcano of Fire destroys villages

On Sunday 3 June, Guatemala's Volcán de Fuego (which is Spanish for Volcano of Fire) erupted, spewing lava into nearby villages and blowing ash and smoke more than 3.7 miles into the sky. Guatemala is a country in Central America, just south of Mexico. At least 75 people have died and more than 300 have been injured. Many more are missing, and these numbers are expected to rise. This is thought to be Guatemala's most violent volcanic eruption for decades.

### What happened?

Just before midday in Guatemala, the Fuego volcano began to erupt. Fast-moving lava flows engulfed nearby villages and a mixture of rock, gas and ash was thrown into the sky. The sky turned dark with ash and the country's main international airport was closed. Consuelo Hernandez, a resident in one of the nearby villages, said, "We saw the lava was pouring through the corn fields and we ran toward a hill."



Volcán de Fuego

### Where did it happen?

Volcán de Fuego is about 25 miles southwest of the country's capital, Guatemala City. Due to a change in the wind, volcanic ash reached all the way to the capital and officials were advising people to wear masks. A total of 1.7 million people have been affected in four regions surrounding the volcano.

### Why was it so violent?

Fuego is one of Guatemala's most active volcanoes – this is the second time it has erupted this year. The reason why this eruption was so violent was because of the flow of the lava, known as a pyroclastic flow. Unlike normal flowing lava, pyroclastic flows contain a mix of hot lava blocks, pumice (volcanic rock), ash and volcanic gas and they travel extremely fast, partly because of the slope of the volcano's sides and the power of the explosion. In some cases pyroclastic flows can reach up to 400mph, with temperatures ranging between 200°C and 700°C.

### What was the response?

Hundreds of police officers, soldiers and emergency workers were deployed almost immediately to help people escape. Many of them reported that their boots began to melt because the ground was so hot and smaller eruptions since Sunday have hampered their efforts. Temporary accommodation has been set up for 3,000 people who were forced to flee. Guatemala is a poor country, so other countries, including Israel, Mexico, the UK and the US, have promised to help. Israel announced that it had delivered food, blankets and medicine. The Guatemalan president, Jimmy Morales, declared three days of national mourning to remember those who have lost their lives.

### How difficult is it to predict volcanic eruptions?

Volcanologists are scientists who study volcanoes. They have special instruments to help them determine when a volcano might erupt, but they are very hard to predict so people rarely have enough time to flee. To prepare for volcano eruptions, countries such as Guatemala have evacuation plans that everyone is aware of. The reason why lots of people died or were hurt after Fuego erupted was because residents didn't realise the lava would flow as fast as it did.



## Outrage over Trump's new trade rules

The US has announced it will charge any company in the US that imports steel from the European Union (EU), Canada and Mexico an extra 25%. Importing means bringing something in from another country. The charge, known as a tariff, is designed to limit the amount of steel the US buys from other countries, to encourage Americans to buy US steel instead.

US president Donald Trump claims that if the US relies on steel from other countries, it will harm its metal industry, which could put the country in danger. Trump says the charges are a matter of national security. In March, Trump introduced charges on steel from countries all over the world, including China – where the US buys a lot of its steel from. However, Trump gave Canada, Mexico and the EU until 1 June to try to reach an agreement. They were unable to, which is why the tariffs are now in place.

The tariffs have made some countries angry, as it will be much harder to sell their steel to the US. The UK Prime Minister Theresa May said the increased charges were “unjustified”. In return, it is expected that the EU and Canada will now impose charges on people in their countries importing US-made goods, such as yoghurt, orange juice and peanut butter.



Trump has caused a global row over steel.



The results of the study will make a big difference.

## New breast cancer breakthrough

The results of a new study into the treatment of early-stage breast cancer have been hailed as a major breakthrough. It means that thousands of women in the UK will no longer have to go through chemotherapy, according to researchers.

Every year, around 23,000 women in the UK are diagnosed with the most common form of breast cancer. Cancer is a condition where abnormal cells quickly grow and spread in the body, making a person very sick, and some people die. Chemotherapy is a treatment, often used after surgery, to lower the risk of cancer spreading or returning. It can save lives, but the drugs have nasty side effects, such as vomiting, tiredness and hair loss.

After women have been diagnosed with early-stage breast cancer, they undergo tests to determine the risk of the disease returning after surgery. From this test, patients are given a score – a low score means that the individual does not need chemotherapy, whereas a high score means they do.

Currently, many women with a score that is neither high nor low are given chemotherapy. The results from this new study, however, show that the survival rates for patients given a middle score were almost identical regardless of whether they had chemotherapy or not. This means that thousands of women who are given a middle score will now avoid having to go through chemotherapy, and can be treated safely with just surgery.

**THINK PINK**  
On 19 October, people around the UK will wear pink items of clothing to help raise money for the charity Breast Cancer Now, on a day called “Wear It Pink”.



## IT'S AN AMAZING WEEK FOR...

### A TRAPPED COUPLE

A youth football team from Idaho, in the US, was on its way home from winning a championship game when they spotted an overturned car in trouble. The Boise Black Knights immediately sprang into action to pull the driver out. They then lifted the car to save the driver's wife, who was also trapped.



### THIS CLUMSY SHEEP

A stranded sheep spent a hair-raising four days on a jagged cliff face in Cornwall after falling more than 75 metres. Matt Relton and Pete Harrison spotted the creature, but choppy waters prevented them from getting their boat close. They were finally able to rescue the hungry sheep, which they nicknamed Lucky.

### A SPELLING-BEE SUPERSTAR

Karthik Nemmani has won the 91st Scripps National Spelling Bee, in Washington DC, US. The 14-year-old from Texas spelt “koinonia” – which means Christian community – correctly to beat 12-year-old Naysa Modi in the final round. Nemmani had previously lost to Modi in the qualifier spelling bee, but he was given a wild-card entry to the final event.





# Home news



Lots of people work hard to keep the country safe.

**ISPY**  
MI5 was formed in 1909, when it was known as the Secret Service Bureau. It helped capture many of Germany's spies during the First World War.

## Remembering the London Bridge attack



**Faith leaders unite.**  
On 3 June, Theresa May, the Prime Minister, led a minute's silence to remember the victims who died in last year's London Bridge attacks. She was joined by Labour leader Jeremy Corbyn and London Mayor Sadiq Khan at a memorial service at Southwark Cathedral. Eight candles, one for each victim, were lit during the service. Their names were also read out at an event at London Bridge, during which politicians and relatives laid flowers.

# New plan to tackle terror announced

A new strategy (plan of action) to fight terrorism has been announced by Sajid Javid, the UK Government's home secretary, who is the politician in charge of the country's security. In a speech in London on 4 June, he said he will make changes to the existing strategy, known as Contest, to help protect the UK from terrorists. A terrorist is someone who uses or threatens violence to achieve their goals.

### What is Contest?

Contest has four main aims: to prevent people becoming terrorists; to pursue (track) people who are planning an attack; to protect UK citizens; and to be prepared in case an

attack happens. It was created in 2003, but since then the strategy has developed. The latest version was introduced following attacks in London and Manchester last year, during which 36 people died.

### What did Javid announce?

Javid said MI5, the security service that is responsible for protecting the UK, will now be able to tell local councils, the police and other government organisations about people they suspect might be terrorists. Trial schemes will take place in London, the West Midlands and Greater Manchester.



Sajid Javid

### What else?

The UK will also work more closely with other countries to fight international terrorism, and police who work to stop terrorism will receive more money. The Government will try to remove more terrorist material, such as videos, from the internet and has promised to work harder to stop people from becoming terrorists in the first place.

### What was the reaction?

Theresa May, the Prime Minister, said sharing information was an important step in stopping future attacks. However, some people have criticised the new plans. Council leaders warned that councils should not replace the security services. Councillor Simon Blackburn said, "Local authorities are not MI5."



## WORD OF THE WEEK

### DRONE

The word "drone" is more than 1,000 years old. Before it was applied to remote-controlled flying objects, it was used both for a male honey-bee and any continuous, deep humming sound – meanings that the word still has today. The noise of the autonomous machines as they hovered overhead reminded people of the buzzing insects, and so the word "drone" seemed a good choice for them, too.



## THE WEEK IN HISTORY

### 9 June 1870

#### Charles Dickens dies

Charles Dickens, one of the UK's greatest writers, died at the age of 58. He started his writing career as a journalist before moving to fiction, and wrote many plays, short stories and at least 15 full novels. Some of these, such as *Oliver Twist* and *David Copperfield*, have become classics and are still read around the world today. His bestselling festive story from 1843, *A Christmas Carol*, is said to have helped change the way Christmas was thought about and celebrated in the UK.





## Universities lack diversity

The UK's top two universities, Cambridge and Oxford, have been criticised for not giving enough places to black students. One newspaper reported that between 2012 and 2016, some colleges at Cambridge University did not accept any black students. A separate report showed that more than a quarter of colleges at Oxford failed to accept a single black student between 2015 and 2017. Cambridge University says it can't bring about change on its own and needs the help of schools and parents.



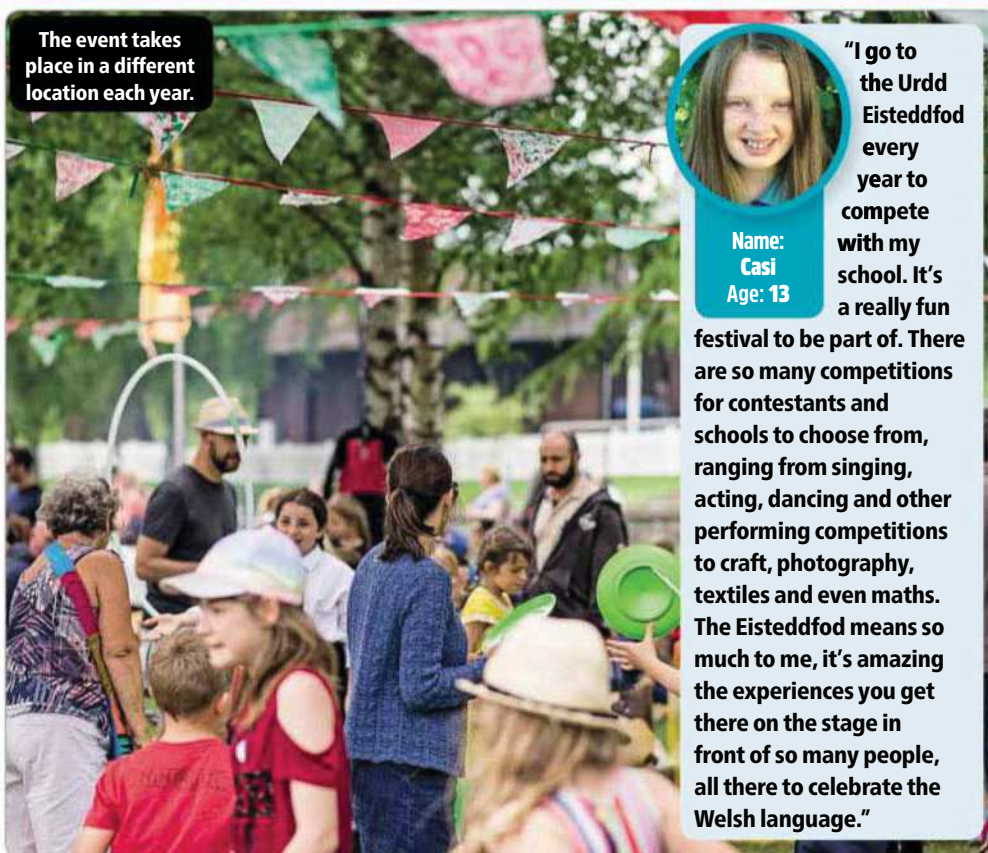
## No drones near airports

The UK Government has introduced a ban on drones within a kilometre of all airports. The new laws will also restrict unmanned flying vehicles weighing more than 250 grams from travelling higher than 122 metres, and within 45 metres of people or buildings. Anyone caught breaking these laws could face fines or even be sent to prison. It's hoped that the changes, which come into effect on 30 July, will reduce the risk of damage to aircraft and protect people's privacy.



## Custard pie contest returns

More than 2,000 pies were thrown at the 51st World Custard Pie Championships in Coxheath, Kent, on 2 June. Around 32 teams, some from as far away as Japan, competed in the world's biggest pie fight in fancy dress. The sticky pies are made from a secret recipe containing flour and water, and points are given for direct hits and near-misses between teams. This year's winners were from Coxheath.



The event takes place in a different location each year.



Name: Casi  
Age: 13

"I go to the Urdd Eisteddfod every year to compete with my school. It's a really fun

festival to be part of. There are so many competitions for contestants and schools to choose from, ranging from singing, acting, dancing and other performing competitions to craft, photography, textiles and even maths. The Eisteddfod means so much to me, it's amazing the experiences you get there on the stage in front of so many people, all there to celebrate the Welsh language."

# Thousands gather for Welsh-language festival

One of Europe's largest youth festivals took place in Wales from 28 May to 2 June, with 15,000 young people competing for prizes in dance, literature, art, singing and cookery. The festival, called the Urdd (pronounced "air-rth") National Eisteddfod, took place in Brecon and Radnorshire.

The aim of the six-day event is to encourage children to speak Welsh outside of school. Each year, the festival moves to a different location around the country. This year, the main pavilion was at the Royal Welsh Showground in Builth Wells, Powys.

Two of the most important awards at the festival are for poetry. The prizes are a chair and a crown, which are specially made for each festival. This year, the chair was carved from a 1,000-year-old piece of wood from a churchyard in Welshpool and was made by Gwilym Morgán from

Brecon. It was won by Osian Owen, from Felinheli, who competes under the name Afallon.

The crown was made by Dan Cuthbertson with the help of pupils from Ysgol Uwchradd Llanfair ym Muallt. Oak leaves and daffodils were incorporated into the design to represent the local area. The words "Brecon" and "Radnor", where this year's Urdd took place, were engraved with red kite wings. Sioned Erin Hughes, 20, from Boduan, near Pwllheli, won the crown.

In the festival's annual Peace and Goodwill Message, children emphasised the need to listen to the voices of young people, and for them to feel able to discuss and overcome their problems. The message, which was also filmed and posted on YouTube, has been translated into 30 languages so it can be spread across Europe.

You can see the message here:

[tinyurl.com/peacegoodwill](http://tinyurl.com/peacegoodwill)

**DID YOU KNOW?**  
The first Urdd National Eisteddfod took place in 1929.

## THE WEEK'S SILLIEST HEADLINE

**"Tortoise on the run: reptile smashes through brick wall" Metro**





# Around the world



Mariano Rajoy

## Madrid, Spain Prime minister forced to resign

Mariano Rajoy, the Spanish prime minister, has been forced to leave his job. On 1 June, Spain's parliament held a vote to see if they wanted him to stay or go. The majority of the members of parliament voted to say they have no confidence in Rajoy and he must resign. The vote was held after several former members of Rajoy's political party were found guilty of not following the rules and misusing money. Pedro Sánchez was sworn in as the new prime minister.



## Hawaii, US Don't toast marshmallows on volcano

People living in Hawaii have been urged not to toast marshmallows over the hot lava spewing from the Kilauea volcano. The US Geological Survey (USGS) issued the warning after it received a question from Jay Furr in the US on Twitter. He asked if it was "safe to roast marshmallows over volcanic vents". USGS explained that gas coming from the vent is poisonous and the marshmallows "would taste BAD".



Giuseppe Conte (right)

## Italy New prime minister is named

Giuseppe Conte has been named the prime minister of Italy. Since the general election was held there, on 4 March, two parties, the Five Star Movement and the League, have been trying to agree on how to run the country together. On 1 June it was decided that Conte would become prime minister, and a new joint government can now be formed.

## Amsterdam, the Netherlands Famous sunflowers fade

The Van Gogh Museum is worried that one of the artist's famous paintings of sunflowers is starting to fade. The museum X-rayed the masterpiece, which Vincent van Gogh painted in the 1880s, and found the yellow paint he used is sensitive to light and will fade to an olive-brown colour over time. The museum will reconsider how it displays the painting to try to slow the fading process.



## Uganda Social-media tax is to be introduced

The Ugandan government is to charge a daily tax on people in the country who use social-media apps such as Facebook, WhatsApp, Viber and Twitter. The charge of four pence a day is to be introduced because President Yoweri Museveni claims that social media encourages gossip. Critics of the tax say it will prevent freedom of expression and is a way for Museveni to control the spread of information. The president shut off access to social-media platforms during the 2016 elections to stop people "spreading lies".





## **Denmark** **Ban on burqas and niqabs**

Denmark has banned people from wearing items that cover their faces, including the burqa and niqab – items of Islamic dress worn by some Muslim women. The government said the law was not aimed at any specific religion, and that it is important for society to see people's faces. A human-rights group says the ban is against women's rights and the law will have a "particularly negative impact on Muslim women".



## **Kazakhstan** **Astronauts return from space mission**

On 3 June, three crew members returned safely to Earth following their mission on the International Space Station (ISS). Russian cosmonaut Anton Shkaplerov, American flight engineer Scott Tingle and Japanese physician-astronaut Norishige Kanai landed on the steppes (a vast grassy plain) of Kazakhstan in their Soyuz capsule. The trio had been on a 168-day mission, carrying out a host of scientific experiments and repairing parts of the ISS.



An artist's impression of the towers.

## **Chongqing, China** **Horizontal skyscraper is on the way**

Currently under construction, the Raffles City project in Chongqing, China, is a marvel of engineering. Its eight skyscrapers tower above the Yangtze and Jialing Rivers. The buildings include housing, shops and a 300-metre-long horizontal skyscraper balanced across the towers. The 42nd-floor "skybridge" will contain an observation deck, sky gardens and a swimming pool.



These bags were inside the mammal.

## **Thailand** **Whale dies after eating 80 plastic bags**

A pilot whale that swallowed 80 plastic bags has died, despite volunteers spending five days trying to save it. The marine mammal was barely alive when it was discovered in the Na Thap Canal in southern Thailand. The plastic bags and other rubbish, weighing a total of eight kilograms, had made it impossible for the whale to eat and digest nutritional food.



## **Kenya** **Lie-detector tests to tackle corruption**

Kenya's president, Uhuru Kenyatta, has said that top government officials must take a lie-detector test, also known as a polygraph. That's because more than 40 people are facing charges due to large amounts of money – almost £60 million – going missing from a government agency that provides young people with training opportunities. Kenyatta announced that these tests will safeguard public funds against "selfishness and greed". He also said that those who fail the test will be suspended from government.



Uhuru Kenyatta



# The big debate

## Should you be able to choose the subjects you study?

Some people think pupils should be given more choice in the classroom.

### What you need to know

- GCSEs are secondary-school qualifications in England, Wales and Northern Ireland. They are based on a system of exams taken in different subjects by pupils aged 15 to 16.
- Some GCSE subjects, such as English, Maths and Science, are compulsory (you have to take them) but others are chosen by the students themselves, usually when they are in Year 9.
- In recent years, the Government has told schools that students should be studying geography or history and a foreign language, too. This combination of GCSE subjects is known as the Ebacc, and schools are judged on how well pupils perform in these subjects.



Do you think you should be given greater choice?

**DID YOU KNOW?**

In the early 1900s, girls were expected to study housewifery – learning how to cook, sew and clean.

The summer term usually includes classes in the sunshine and perhaps the occasional ice cream on the walk home. It's a time when the school year unwinds to an end. Music, role-play and sports slowly replace Sats and end-of-year assessments, as important preparations are made for the year ahead. For older pupils, this means finding out what subjects they will study for their GCSEs. Although most schools consider students' wishes, there is a limit to how much say pupils get in what they choose to study. Some people think this is a sensible approach; others think schools are becoming too prescriptive (this means allowing very few options). They argue that pupils should be able to choose the subjects they enjoy and are skilled at, but is this a good idea?

### Yes – pupils should be given more choice

If we enjoy an activity, we are more motivated to do it – so if students could choose all their subjects, they would work harder. If they're tested in subjects that don't match their strengths, they will feel like they're not good enough. A famous quote says, "If you judge a fish by its ability to climb a tree, it will live its whole life believing it is stupid." The same applies to people – a talented artist shouldn't be judged on their geography skills. If a student wants to become a doctor, they should be able to drop the subjects they don't need. One of the most successful schools in Berlin, in Germany, encourages its pupils to choose their own subjects. This gives them greater independence and means that they are more motivated.

### No – letting pupils choose is a terrible idea

If students were allowed to decide what subjects they study, they would choose only the ones they liked, dropping "challenging" subjects that are really important. For example, religious studies can make people more tolerant of different communities. If it was optional, would students grow up to become understanding adults? Many experts believe pupils are too young to make decisions. This is especially true if these decisions affect their future career goals; children are likely to change their minds, so they should keep all their options open. Encouraging students to take the subjects they're best at would actually limit them; by studying a broad range of subjects, pupils will pick up new interests and skills.

**YES**

### Three reasons why pupils should be allowed to choose their subjects

- 1 Students are more motivated, and therefore happier, when studying subjects they enjoy.
- 2 Giving students more choice would enable them to follow their interests, allowing them to focus on their career goals.
- 3 Research has shown that pupils who are given more control and freedom over their education develop other skills too.

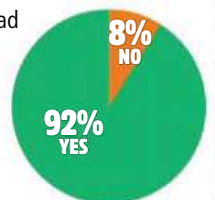
**NO**

### Three reasons why pupils should not be allowed to choose their subjects

- 1 Unpopular subjects are still important – pupils will miss out if they're allowed to drop those they find challenging or dull.
- 2 Experts say teenagers' brains are not fully developed, so they're too young to make important decisions about their education.
- 3 By studying a broad range of subjects, pupils pick up new interests and skills.

### LAST WEEK'S POLL

Last week, we asked if you thought plastic packaging should be banned. Nearly all of you said, yes, the time had come to find an alternative to plastic in order to tackle pollution.



### What do you think?

Now that you've read a bit more about it, tell us what you think by voting at [theweekjunior.co.uk/polls](http://theweekjunior.co.uk/polls). Vote **YES** if you think you should be able to choose the subjects you study, or **NO** if you don't. We'll publish the results next week.

The aim of the Big debate page is to present two sides of an issue fairly and objectively, in order to stimulate discussion and allow our readers to make up their minds. The views on the page do not reflect those of *The Week Junior*, and the page is not funded by third parties. The page is created in association with the English-Speaking Union, an educational charity helping young people discover their voice and realise their full potential. For more information, please see [esu.org](http://esu.org)







# The Queen of Slime

How making goo turned Karina Garcia into a social-media sensation.

Karina Garcia never planned to become a YouTube star. "I made some cool lipstick for my birthday," she says. "It came out good, so I thought, 'You know what? I'm going to film it.'" She now has 7.6 million subscribers to her YouTube channel and some of her videos have been viewed more than 20 million times. She also has her own craft range and has published several books.

Garcia started creating YouTube videos three years ago with the help of her sister. Her first uploads were tutorials about make-up, cosmetics storage and room decor, but she soon realised her passion was slime. She makes her gooey products using a range of ingredients, from shaving foam and lotion to crisps and butter. "Making [slime] is fun," she says. "Just poking it and popping the bubbles. It's a sensory type of thing. It's really satisfying and stress-relieving."

Garcia, now 24, grew up in California, in the US. At school, her favourite subject was science, "because it was more hands-on". In her free time, Garcia would enjoy crafting. She recommends everyone should try it. "I feel kids are too attached to social media,

to their phones," she says. "It's good to get their hands dirty and play."

When Garcia first realised that lots of people were viewing her videos, she found it scary. "I was really shy at the time," she says. "I film these videos in my room at home and I'm talking to a camera, so sometimes I forget that people are watching."

These days she loves being well known and meeting her fans.

"It's a good feeling to see them in person," she says. "I know they're commenting [on my videos], but when you see them in real life, it just really humbles me. It's an amazing experience."

Garcia never thought she would get so many followers on YouTube. She was just doing what she loved. Even if she wasn't famous, she says she would still be playing with slime and crafting in her room.

Her advice for people wanting to become a vlogger? "For anyone trying to do YouTube, I would just say 'do it.'"

**GREATEST GOO**

Karina Garcia's favourite slime is "fluffy" slime, made from glue, shaving foam and lotion.



Devi designed her own uniform.

## Jaipur's first female porter

Manju Devi has become the first female porter on the North Western Railway, in India. She took over the job, at Jaipur station, after her husband died. Traditionally, only men were selected for the role as it involves carrying passengers' heavy bags, but Devi was given the chance to prove she could do it. She has now earned her porter licence and has been presented with an award by India's president, Ram Nath Kovind. Devi, a mother of three teenage children, was one of 112 women who were celebrated by India's Ministry of Women and Child Development for being role models. She said that "no job was tough" for women, and that carrying passengers' luggage "was nothing [compared] to the burden of feeding three children".

## Poppy seller retires at 103

Rosemary Powell has been selling poppies to raise money for war veterans and their families for more than 97 years. Now, aged 103, she's decided it's time to retire. Powell started selling poppies at the age of six with her mother in 1921 – the year of the first ever Poppy Appeal. While living in Africa in the 1950s, Powell made poppies out of paper to give to the locals on Remembrance Day (when people pay respect to members of the armed forces who have died in the line of duty). She also sold the French equivalent of poppies, blue cornflowers, while living in France. The Royal British Legion – a charity that helps war veterans and their families – says that Powell's fundraising efforts have been "nothing short of phenomenal".



Rosemary Powell.

## THEY SAID IT!

“ ”



"I feel like a warrior wearing it, a queen from Wakanda."

Serena Williams on the outfit she wore for the French Open tennis tournament.



Some birds love snacking on stick insects.

## Incredible invertebrates

There are about 3,000 different species of stick insect, living on every continent except Antarctica. Also known as walking sticks, these strange-looking creatures are masters of camouflage; looking like twigs helps them blend in with the trees that they live among. Some species have wings. Stick insects have a number of clever ways to avoid becoming dinner, including faking their own death (which makes them less appealing to eat), shedding a limb in a bid to escape and releasing a foul-smelling fluid.

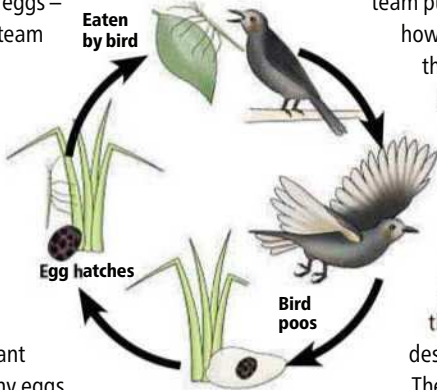


**MEGASTICK**  
The world's longest species of stick insect was discovered in China and measures 62.4 centimetres.

# Stick insects' egg-cellent tactics

Stick insects have come up with a cunning strategy for spreading their eggs – they use their worst enemy. A team of researchers from Kobe University, in Japan, have found that eggs inside a female stick insect's body can survive being eaten by a bird. Exiting the bird undigested (in birds' poo), some of them go on to hatch as normal.

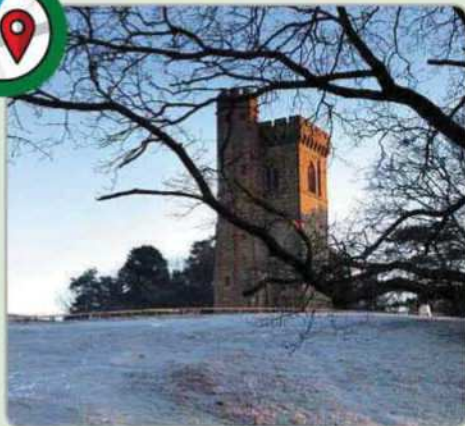
It was commonly assumed that being eaten by a bird meant the end of a stick insect and any eggs



it might be carrying inside it. The Kobe team put this theory to the test, however, by feeding the eggs of three species of stick insect to brown-eared bulbuls – one of the bugs' main predators. They discovered that when the bulbuls pooped, up to a fifth of the stowaway eggs came out unharmed. The surviving eggs of one of the three species hatched as usual, despite having been eaten. The researchers also found that

being eaten was a great way for stick insects to expand their territory. These strange-looking insects are unable to travel long distances by themselves, so having their eggs eaten, carried and deposited elsewhere has its benefits. Many related stick insects have been discovered on islands surrounding mainland Japan, which suggests that birds have helped transport the eggs in their stomachs.

Professor Kenji Suetsugu, who led the team, explained that they hope to investigate whether there is a link between populations of stick insects and the migration route of birds. This would confirm whether the birds were spreading stick insects' eggs by eating the adult bugs.



## PLACE OF THE WEEK

### Leith Hill Tower, Surrey

Set in the Surrey Hills, the tower on Leith Hill was built in 1765. Standing at a height of 313 metres, the top of the tower is the highest point in south-east England. With the help of one of its telescopes, visitors can enjoy views of the London

skyline and, on clear days, even the English Channel.

Birds of prey, such as red kites and buzzards, often soar overhead. It's thought that goshawks breed in the woods around, but sightings of these secretive birds are very rare.

Find out more at [tinyurl.com/TWJ-leithhilltower](http://tinyurl.com/TWJ-leithhilltower)



Keep your eyes peeled for red kites.



## PLASTIC PLANET

Almost 300 million tonnes of plastic are produced every year. Half of this is used in single-use items.



Many plastic items are used just once.

## Animal of the Week Puffin



### BEAKY BLIGHTERS

Puffins' brightly coloured beaks have earned them many nicknames, such as "sea parrots" and "clowns of the sea".

The National Trust has discovered that the puffin population in the Farne Islands, off the Northumberland coast, has declined by 12% since 2013. The Trust says that this is "concerning" and will monitor the seabirds, which are vulnerable to extinction, to work out what's going on.

- **LIFESPAN IN THE WILD:** At least 20 years.
- **HABITAT:** Offshore islands and cliffs in and around the North Atlantic.
- **DIET:** Puffins dive below the surface and use their wings to swim through the water and catch fish and sand eels.
- **FUN FACT:** Their bills have a jagged edge, which helps them carry fish: puffins have been seen carrying as many as 83 sand eels at once.

## Europe to ban single-use plastic

On 28 May, the European Commission (EC) proposed that the ten most commonly found single-use plastic items littering beaches and oceans should be banned. This list includes water bottles, cutlery, straws, plates, cotton buds and balloon sticks.

The EC is responsible for proposing and enforcing laws in the European Union (EU) – a group of 28 member states, whose governments work together.

"The European Commission promised to be big on the big issues and plastic waste is undeniably a big issue...

because plastic waste ends up in our air, our soil, our oceans and in our food," said Frans Timmermans, first vice president of the EC.

Banning these items and encouraging more environmentally friendly alternatives will help protect marine life from eating plastic or getting tangled up in it, which can prove fatal.

The EC also suggests that by 2025, all member states must collect 90% of their single-use plastic through methods such as deposit refund schemes (where the customer returns the item in return for money). An introduction date for this proposed ban has not yet been set and the plan needs to be approved first by all 28 EU members.



Beach litter in Mumbai, India.



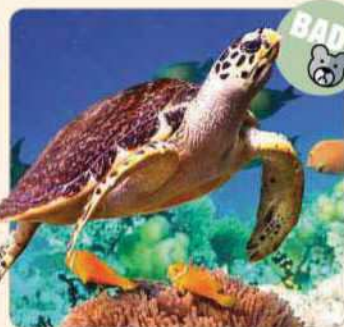
## Good week / Bad week



GOOD

### Red river hog

Three red river hog piglets have been born at Chester Zoo, in north-west England. They're the smallest species of African pig and are native to west and central Africa. It's not yet known whether these spotted and striped piglets are male or female, so they have yet to be named.



BAD

### Hawksbill turtle

Fishing may be allowed in the Coral Sea Marine Park, off the east coast of Australia – waters that critically endangered hawksbill turtles use to travel between their nesting and feeding sites. This increases the risk of the turtles being caught by accident or getting tangled in fishing nets.



## Do nudibranchs have eyes?

**Colette Gibbings**  
Keeper at ZSL London Zoo

Nudibranchs are jelly-bodied molluscs without a shell. There are more than 2,000 known species of them in the oceans. They do have eyes but their vision is very limited. Nudibranchs have other senses – their retractable "feelers" are sensitive to chemicals, allowing them to "smell" food in the water and find their way around.



**Do you love animals? ZSL London Zoo's Junior Zoo Academy is a great way to learn about creatures from all over the world. Find out more at [zsl.org/experiences](http://zsl.org/experiences)**



## All about the 2018 World Cup

# Russia is ready for kick-off

### The long wait for the World Cup is over.

On 14 June in Moscow, Russia, the world's biggest football competition gets under way. Thirty-two countries will battle to be crowned champions in the final on 15 July. They include successful European teams such as Germany, who won the last competition, and Belgium, England, France, Portugal and Spain. Teams from North and South America, Africa, Asia, Australia and the Middle East will also compete.

The World Cup is the ultimate prize in international football – only eight countries have lifted the famous trophy since the first tournament in 1930. All 64 games are being played in Russia, across 11 cities. The Fifa World Cup takes place every four years – the last event was held in Brazil in 2014. This is the first time Russia has hosted the World Cup.

**TOP TROPHY**  
The World Cup trophy is 36.8 centimetres tall, weighs 6.1 kilograms and is mostly made of 18-carat gold.

Germany's Thomas Müller.

Argentina's Lionel Messi.

France's Paul Pogba.

### When did it begin?

The first World Cup competition was held in 1930 in Uruguay, South America. Uruguay won it that year but it was a much smaller competition, with just 13 nations taking part. The event has been held every four years since then, apart from 1942 and 1946, because of the Second World War. England's debut at the World Cup came in 1950, Scotland's in 1954, and Northern Ireland's in 1958. Wales have been at the World Cup finals once, in 1958. Of the four home teams, only England has qualified for Russia 2018.

### How does it work?



Luzhniki Stadium.

In March 2015, 208 teams began playing qualifying matches to win a place in this year's World Cup. The 31 teams to qualify – plus Russia, the host nation – were then put into eight groups of four. England are in a group with Belgium, Panama and Tunisia. Each team plays once against the other teams in their group. The top two from each group reach the knockout rounds. A country must win three further games to reach the final.

### England's 1966 success

England have won the World Cup once, in 1966. That tournament was held in England and the Three Lions, which is England's team nickname, beat West Germany 4-2 in the final, held at Wembley Stadium.



The 1966 winners.

### First-timers

At Russia 2018, Iceland and Panama will play in the tournament for the first time. Iceland are the smallest nation to reach a World Cup – they have a population of about 335,000. The current champions, Germany, has a population of more than 82 million.



Iceland will play this year.

# All about the 2018 World Cup



Spain's Sergio Ramos.

England's captain, Harry Kane.

Portugal's Cristiano Ronaldo.

Brazil's Neymar.

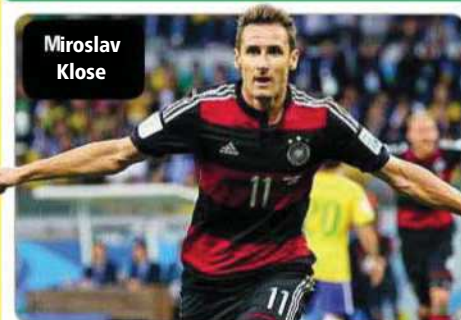
Egypt's Mo Salah.

## WOMEN'S WORLD CUP

The next Women's World Cup will be held in France in 2019. The US are the reigning champions.

## Quick World Cup facts

Miroslav Klose



- The top goal scorer in World Cup history is Germany's Miroslav Klose. He scored 16 goals in 24 matches at the 2002, 2006, 2010 and 2014 finals.
- Each country takes a squad of 23 players to the World Cup.
- Tottenham striker Harry Kane will be England's captain in Russia.
- The Fédération Internationale de Football Association (Fifa) organises every World Cup.
- Fifa will award a prize of more than £28 million to the World Cup winners.
- The youngest player ever at a World Cup was Northern Ireland's Norman Whiteside in 1982. He was 17 years, one month and ten days old.



## Top dog

The World Cup trophy was stolen from central London in 1966. A week later, a dog called Pickles discovered it wrapped in newspaper, hidden on the ground next to a car in south London.



## Record-breaking Brazil

Brazil lift the cup in 2002.



Brazil are one of the most famous World Cup teams. They have won the tournament a record five times, in 1958, 1962, 1970, 1994 and 2002, and are the only nation to appear at all 20 tournaments since 1930. Their star player is Neymar, who cost French team Paris Saint-Germain £200 million last year.

## The Golden Boot award

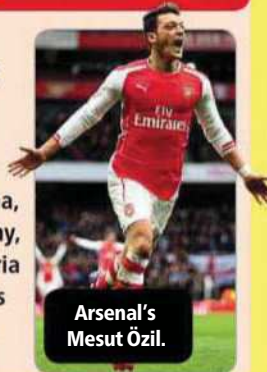
The player who scores the most goals will win the Golden Boot. In 2014, Colombia forward James Rodriguez scored six times to claim the prize. This year, Antoine Griezmann (France) and Lionel Messi (Argentina) are among those tipped to win.



James Rodriguez

## Familiar faces

When you watch the World Cup, you might spot familiar players from the Premier League or Scottish Premiership. Argentina, Brazil, France, Germany, Iceland, Mexico, Nigeria and many other teams have footballers who play in the UK.



Arsenal's Mesut Özil.



# A roaring success 25 years of Jurassic Park

**NOT SO SCARY**  
Unlike the human-sized monsters shown in the movies, velociraptors were probably more like large turkeys, standing about one metre tall.

Twenty-five years ago, *Jurassic Park* made history when it tore into cinemas around the world. The movie transported audiences to a fictional world where dinosaurs roamed the planet, reigniting a passion for these prehistoric beasts. To celebrate the anniversary of the first film – and the 6 June release of *Jurassic World: Fallen Kingdom* – we have taken a dino-sized chomp at the science behind the films. Let's chew over what's fact and what's fiction...



## Dino DNA

The *Jurassic Park* story works like this: more than 66 million years ago, a mosquito feasts on dinosaur blood then gets trapped in tree resin, preserving the blood in its belly. Many years later, archaeologists (people who study past human activity revealed from under the ground) find the mosquito, extract the blood and clone a dino. Cloning is the process of making a copy of a living thing using their DNA (a chemical that tells your body how to grow and develop). However, scientists say that since DNA breaks down over time, it would not survive millions of years in the mozzie's belly.

**FICTION**



## Pack hunters

Owen Grady (Chris Pratt) in the most recent *Jurassic World* films describes himself as the leader of a pack of ferocious velociraptors, despite being human. So did these terrifying dinosaurs actually hunt in groups? Scientists think they did. Fossils of velociraptors have been found together, which suggests that they were hunting in packs when they died. They also believe that velociraptors would have been quite intelligent and may have communicated much like birds do today.



**FACT**

## Scaly skinned raptors

**FICTION**



Real-life velociraptors looked very different to *Jurassic Park's* reptile-like beasts. In 2007, palaeontologists (people who study fossils) at the American Museum of Natural History and the Field Museum of Natural History, in the US, found that these predators were covered in colourful feathers. Evidence of this was found in fossils discovered in Mongolia in 1998.

## Fast runners

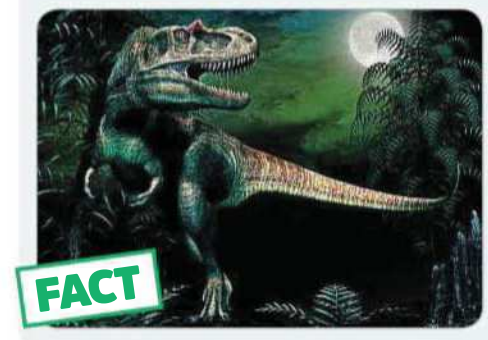
**FICTION**



*Jurassic Park* fans will remember the terrifying scene of a *Tyrannosaurus rex* chasing a speeding Jeep. However, scientists from the University of Manchester said last year that this couldn't have happened. The sheer size and weight of these prehistoric giants made running almost impossible. Scientists estimate that it wouldn't be able to move faster than 12mph (about the same speed as an adult human running) without its legs buckling.

## Night hunters

In the first film, dinosaurs are seen during the day and at night, despite scientists at the time believing that dinosaurs were only active at daytime. In 2011, Ryosuke Motani, from the University of California, in the US, studied the fossilised eye sockets of 33 dinosaurs, ancestral birds and pterosaurs. The size of the sockets suggested that some dinos had the ability to see at night. Motani proposed that large plant-eating dinos were active all the time, while velociraptors and other small meat-eaters were probably night hunters.



**FACT**



Survey aircraft map the area.

## Colossal canyons discovered under Antarctica's ice

Scientists from the European Space Agency's PolarGAP project have discovered three colossal canyons hidden deep under the ice at the South Pole. The deep valleys run for hundreds of miles, winding through tall under-ice mountains. The biggest, named the Foundation Trough, is more than 200 miles long (roughly the distance between London and Manchester) and around 21 miles wide. The other two canyons are 186 miles and 93 miles

long. A mountain range is currently preventing most of the East Antarctic Ice Sheet from flowing into the sea. Dr Kate Winter, from Northumbria University in Newcastle, believes that if the ice sheet thins, the canyons could increase the speed and flow of ice to the edge of the continent. This could lead to a rise in global sea levels and flooding. The PolarGAP project will help scientists predict what will happen to the ice in the future.



## Aromas from Earth



The smells are infused into plastic beads (below).



When Nasa astronaut Doug Wheelock was asked what he missed most about his home planet while in space, he said it was the smell of "Earthiness". To help out future homesick astronauts, Ani Liu from the Massachusetts Institute of Technology's Media Lab, in the US, has created Smells for Space, a capsule containing aromas from

Earth. They include the ocean, a forest, dirt, a leather armchair, a freshly baked cookie and her childhood home. Liu mixes chemicals associated with the scents to make a perfume, and intensifies it using a process called distillation. The smells are then infused (allowed to soak) into plastic beads which are safe to blast into space.



M'wah!

The disc holds the sound of a kiss.

## Aliens "baffled" by Golden Record

In 1977, Nasa's Voyager 1 and Voyager 2 spacecraft blasted off into space. On board each was a disc, called the Golden Record, containing sights and sounds from planet Earth. The 30-centimetre-wide gold-plated copper disc was created to celebrate human life and convey the story of our world to aliens if they happen to find it. However, Rebecca Orchard and Sheri Wells-Jensen at Bowling Green State University, in the US, believes that the disc could be meaningless to extraterrestrials. Aliens may not have the same senses as

humans, or understand how language works. For example, when played one after the other, the record's greetings could sound like humans arguing. And what if they attempted to match the audio on one side of the disc with the images on the reverse side? That would lead to some odd pairings, such as a daffodil roaring like a chainsaw. Voyager 1 is the farthest human-made object from our planet – it is currently more than 13 billion miles from Earth. It won't reach another star system for about 40,000 years.



Fran Scott of the Royal Institution answers your questions.

Ri The Royal Institution Science Lives Here



## Why... does my tongue stick to ice lollies?



Name: Finn Year: 4

This alarming effect is due to the fact that ice lollies are cold and our tongues are warm. When your tongue licks an ice lolly, it causes some of the ice to melt. The water flows into tiny grooves on your tongue, making these parts colder. This now-chilly spot on

your tongue allows the water to refreeze into ice. But now the ice is on the surface of your tongue, instead of the lolly, and your tongue and the lolly are joined together in a single solid ice block. This is also the basic principle behind how glue works. A liquid is poured in the gap between two surfaces. As it turns into a solid, the glue sticks to itself and to both surfaces, bonding them together.

Email questions to [hello@theweekjunior.co.uk](mailto:hello@theweekjunior.co.uk) with the words **SCIENCE QUESTION** in the subject line. See more from Fran Scott in our 100-page special edition, *Science + Nature*, [theweekjunior.co.uk/science-nature](http://theweekjunior.co.uk/science-nature)



# Photos of the week

## Hats off

Members of the United States Naval Academy celebrate their graduation in Maryland, US.



## I've only got eyes for you

A baby panda watches over a lookalike toy at the National Zoo in Kuala Lumpur, Malaysia.



## A sea of sunflowers

A woman in traditional dress poses for photos among the flowers in Hebi, China.



## Making a splash

Formula One driver Daniel Ricciardo takes a dive after winning the Monaco Grand Prix.



GETTY IMAGES - ALAMY LIVE NEWS - REX SHUTTERSTOCK - REUTERS - SOLENT NEWS & PHOTO AGENCY



# Photos of the week



## Heading home

People descend Mount Ausangate after the annual Snow and Star festival in Ocongate, Peru.



## Canine conga

One man and his dogs put on a show in Germany.



## Loved-up lizards

A pair of romantic reptiles make a heart shape with their tails in Java, Indonesia.



**DID YOU KNOW?**  
Italian driver Lella Lombardi was the last woman to compete in a Formula One race, in 1976.

**Dare To Be Different** gets girls into motor sport.



## WOMEN TO WATCH

**Catie Munnings**



- Catie Munnings is a rally driver from Kent. The 20-year-old racer competes in FIA European Rally Championship junior events.
- Tatiana Calderón, from Colombia, became a test driver for the Alpha Romeo Sauber F1 team this year.
- Spain's Ana Carrasco became the first woman ever to win a World Championship motorbike race in 2017.

# Girls get ready to race

This summer, hundreds of schoolgirls from England and Scotland will enjoy their first taste of motor sport. They will have the chance to race in a kart, explore a replica Formula One car and speak to racing professionals. It's all thanks to Dare To Be Different, a campaign that encourages girls to take an interest in motor racing. There are currently many more men involved in motor sports than women, so Dare To Be Different wants to change this.

The events are held at karting centres and racetracks and let girls aged eight to 11 experience what a career in racing is like. They can change a kart's wheel or talk in front of a TV

camera, just like professional racing drivers do. "I really enjoyed the pit-stop challenge and the interviews," said Naomi from St Peter's Catholic Primary School in Sittingbourne, Kent. "We all worked as a team."

Dare To Be Different was set up in 2016 by Susie Wolff, who started go-karting as a child and was a test driver for the Williams Formula One team in 2015.

"Some girls arrive very shy, but by the end are full of enthusiasm," Wolff told *The Week Junior*. "I hope that one day there will be a female driver in Formula One again. I got close and showed that it is possible."

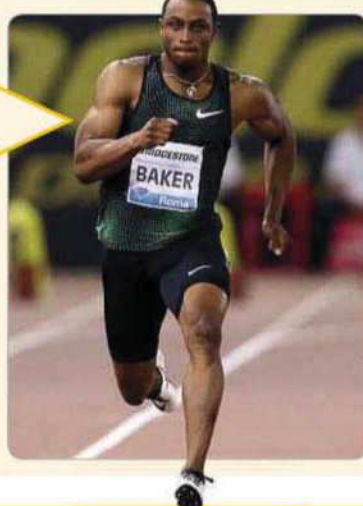
The event aims to inspire future talent.



## THE WEEK'S WINNERS...

### Ronnie Baker

The US athlete won a 100-metre race in the IAAF Diamond League meeting in Rome, Italy, with a time of 9.93 seconds. It is the fastest sprint time so far this year.



### England cricket team

They beat Pakistan in the second Test at Headingley, in Leeds. The contest between the two countries is now tied at 1-1.



### Ariya Jutanugarn

At the US Women's Open tournament, the golfer from Thailand beat Hyo Joo Kim to take the title. She is the first Thai player to win the title.

### Tahnée Seagrave

The British cyclist won the Elite Women's Downhill event at the UCI Mountain Bike World Cup in Fort William, Scotland.

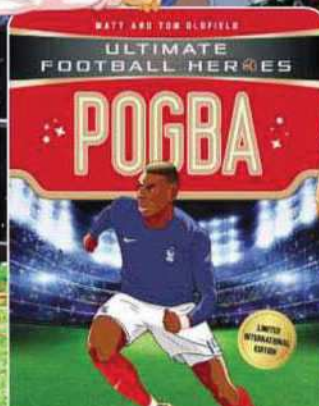
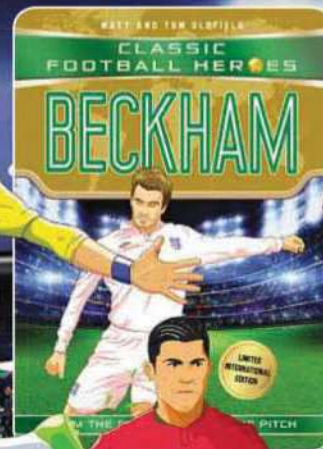
JAMES BEARNE - REX SHUTTERSTOCK - GETTY IMAGES - ALAMY

# ULTIMATE FOOTBALL HEROES

# A SUMMER OF FOOTBALL HEROES

## GOAL MACHINE

In the 2016-17 Premier League season, Harry Kane scored 29 goals in 30 games for Tottenham Hotspur – that's almost a goal in every match!



## BUSY SUMMER

In 2016, Cristiano Ronaldo won the Champions League with Real Madrid and the European Championship with Portugal in the space of just 43 days.

## Go beyond the World Cup with the Ultimate and Classic Football Heroes series.

The World Cup is where stars become legends. But the heroes who shine on the biggest stage of all didn't get where they are overnight. Every player – both past and present – has his own tale of **getting to the top**. They're all different, all **exciting** and all give you an extra insight into what made them the star they became.

### World Cup summer

With the World Cup taking over the summer, now is the time for you to find out more about the sport's greatest players with the *Ultimate and Classic Football Heroes* series.

These books, featuring stars such as Harry Kane and Lionel Messi, plus legends including Steven Gerrard and Zinedine Zidane, are outstanding. Even those who would much rather kick a ball than read a book will find themselves hooked.

### Family debates

Amaze your friends with facts and stories or, even better, ask your parents or other older relatives who they think was better for Argentina, Lionel Messi or Diego Maradona?

You can read these books as a family and then have great debates around the

dinner table. Before each big match you could read part of the *Ultimate and Classic Football Heroes* series, then have a friendly argument over how your parents' favourite stars compare with yours. Finish by watching a World Cup game on TV. Best day ever!

Read one book and you'll want to read another. There are so many to choose from! Why not collect them all? You'll have an endless supply of things to talk about with your family and you'll be the football expert of the playground too.

**Celebrate World Cup legends past and present this summer with the *Ultimate and Classic Football Heroes* series, on sale at WHSmith.**

In association with

**WHSmith**





# This week's big exhibition



This dentist's chair is from the 1920s.



## An exhibition with bite

Get stuck in to *Teeth* at the Wellcome Collection.

Visitors will have lots to smile about at London's Wellcome Collection as more than 150 teeth-related objects go on display. From tooth fairies and vampires to our ever-changing relationship with dentists, all is revealed in an exhibition called *Teeth*.

Our teeth reveal a lot about who we are. They're the only visible part of our skeleton and they play a vital role in many things we do every day, such as talking, eating and expressing emotions like happiness or fear. The exhibition shows how dentistry (the branch of medicine that involves the health of teeth and gums) began, and it includes the first

scientific paper on teeth, published by Pierre Fauchard in 1728. Alongside this are early dentists' tools, an explanation of how the dentists' drill was developed and how X-rays are used. There are even false teeth made from hippo ivory.

Also on display are a set used by Queen Victoria's dentist in the 19th century, King William IV's false teeth, and a

toothbrush made from horsehair that belonged to the famous French military leader Napoleon Bonaparte.

*Teeth* is the first exhibition to examine the ways in which humans live with – or without – teeth. Much of the show is made up of items gathered by Henry Wellcome, a pharmacist and the museum's founder, along with loans from several collections across Europe.

**Teeth is on now at the Wellcome Collection until 16 September 2018 and entry is free. Find out more at [tinyurl.com/TWJ-teeth](http://tinyurl.com/TWJ-teeth)**

**OPEN WIDE**  
The fear of dentists or dental work is called dentophobia or odontophobia. Even the Romans suffered from it.

### Delve into the history of oral hygiene



#### Toothbrushes

Using a tool to brush your teeth dates back to 3500BC–3000BC, when civilisations such as the Babylonians created brushes by fraying the ends of twigs. In 1600BC, chewing-sticks made from aromatic wood were developed in China.

#### Toothpaste

It's believed that in about 5000BC, the ancient Egyptians used a paste to clean their teeth. Over the years ingredients have varied across the world. The ancient Greeks and Romans would use a paste made from crushed bones and oyster shells.



#### False teeth

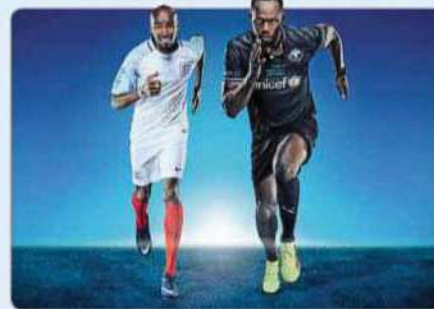
In about 700BC, the first false teeth were made in Italy, using teeth from another person or animal. The ivory of animals such as elephants, hippos and walrus was also used to make teeth. Today, false teeth are made from plastic.



## ★★ ENTERTAINMENT NEWS ★★



## THIS WEEK'S WATCH LIST



### Soccer Aid for Unicef 2018 6.30pm on 10 June, ITV

Watch as celebrities and football legends take to the pitch at Old Trafford, Manchester United's stadium, to raise money for the children's charity Unicef. Expect to see a host of famous faces, including Sir Mo Farah, Olly Murs and Gordon Ramsay, battle it out in a match like no other.



### The Hollow Available now on Netflix

When three teenagers wake up in a mysterious kingdom, they must work together in order to return home safely. With magic portals, vicious beasts and perplexing puzzles to navigate, the trio are in for a tricky journey.



### Big Beasts: Last of the Giants - The Americas 9pm on 13 June, Sky One & Now TV

Follow biologist Patrick Aryee as he encounters some of the world's biggest animals. In the first episode, Aryee heads to the Americas to find out more about Earth's largest toothed predator, the sperm whale, as well as bears and anacondas.



Lost Voice Guy

## Lost Voice Guy wins BGT

On 3 June, viewers voted Lost Voice Guy as the winner of *Britain's Got Talent*. The 37-year-old comedian from Newcastle, whose real name is Lee Ridley, has cerebral palsy – a condition that affects his speech, movement and co-ordination. Ridley uses a voice synthesiser (a device

that converts written text into speech) in his performances. Almost nine million people tuned in to watch Ridley win the £250,000 prize and the chance to perform in front of the royal family at the *Royal Variety Performance 2018*. Following his victory, Ridley said, "I have been blown away by the support of the judges and the general public."

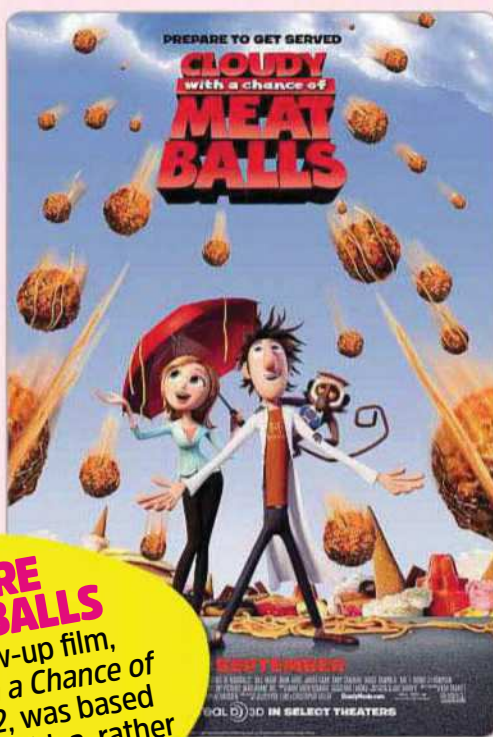
**DID YOU KNOW?**  
The scientist Professor Stephen Hawking, who died earlier this year, relied on a voice synthesiser for most of his life.



A charming, funny film based on a book.

### Cloudy with a Chance of Meatballs (2009)

**DVD, Blu-ray, Netflix, iTunes, Amazon**  
Before they made *The Lego Movie*, Phil Lord and Christopher Miller wrote and directed this very funny film adaptation of the story by Judi and Ron Barrett. Strangely enough for such a light-hearted animation, Lord and Miller looked to blockbuster disaster movies of the 1990s – and *The Muppets* – for inspiration. You'll notice that one of the film's main characters, Tim Lockwood, has his eyes hidden under his eyebrows. Lord and Miller noted that you don't see the eyes of every character in *The Muppets*, either.



**MORE MEATBALLS**  
The follow-up film, *Cloudy with a Chance of Meatballs 2*, was based on an original idea, rather than a book.



## This week's new apps

Paint a picture, play word games and build a team of heroes.

### April

Android / iOS (Free)

April is a paint-by-numbers app, which is inspired by the paper-based colouring books. You start with a black-and-white outline of a picture, then shade it in by matching coloured pencils or pens with numbers.

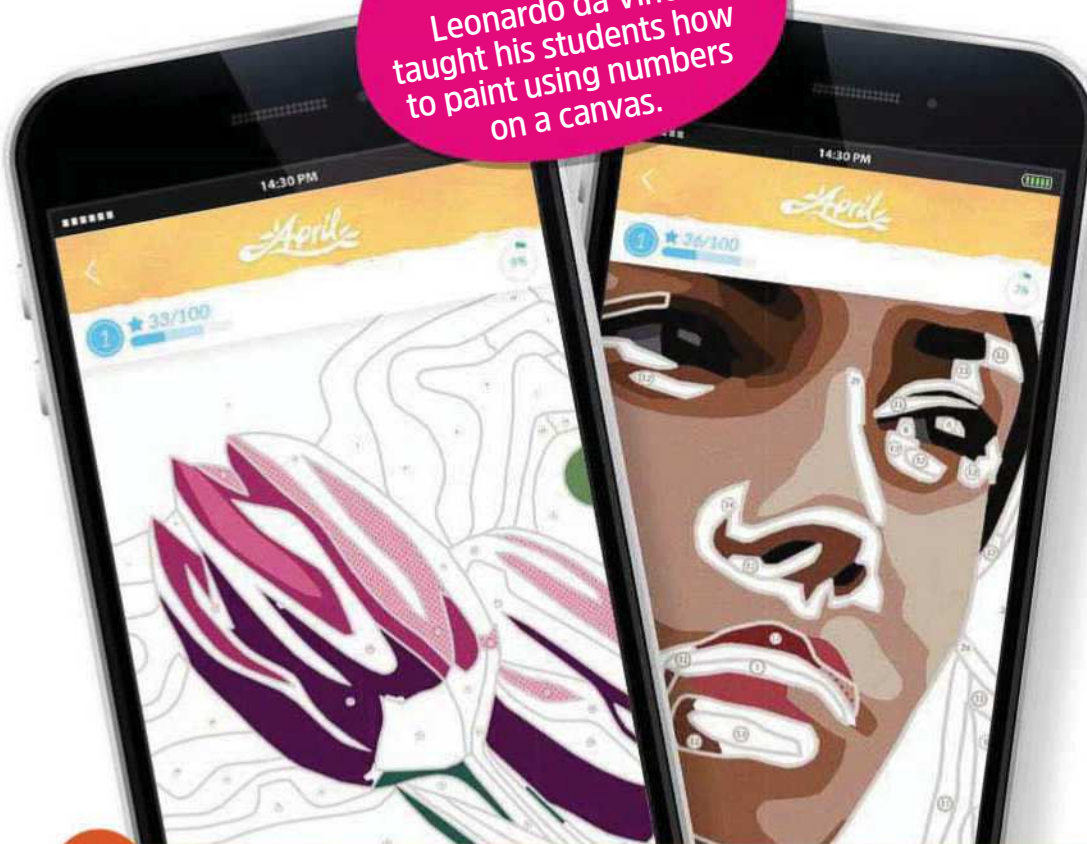
Categories include Garden Summer, City Life, On The Trail and Tropical Holidays, and parrots, flowers and buses are among the available images.



Colouring is simply a case of tapping a section of the picture, then moving your finger around to fill it in – the app makes sure you don't go over the edges. Once you've finished, you can print your pictures and proudly display them on your wall.

The free version of the app has plenty of pictures to colour in, so, although there is an option to sign up to an £8.99-a-month subscription, it's entirely optional. Colouring the free pictures is a good way to relax – even if it's not quite as good as using pencils and paper.

**DID YOU KNOW?**  
Leonardo da Vinci taught his students how to paint using numbers on a canvas.



### Words Royale

Android / iOS (Free)

Smartphones are perfect for word games, especially when you're testing your vocabulary skills against your friends. Words Royale gets you battling against them for territory across the board, spelling out words and scoring points as you go.



### BattleHand Heroes

Android / iOS (Free)

Superheroes are fun, as are card-based battling games. BattleHand Heroes combines the two in a really enjoyable way. You have to build a team of heroes and collect cards to make use of their powers, while fighting your way through the app's story mode.



## GAME OF THE WEEK

### Pokémon Quest

Nintendo Switch

The latest Pokémon game looks very different from the ones you're used to: Pikachu and friends have gone blocky, as if they've been transported to games like Minecraft or Crossy Road.

Pokémon Quest sees you exploring Tumblecube Island with your team of Pokémon, battling wild creatures, collecting loot and building your camp

in the middle of the island. Rather than catch new Pokémon by fighting, you have to attract them to your camp by cooking recipes.

If you don't have a Switch, hold tight; the game will appear on smartphones and tablets by the end of June. It's free to play, but in-game purchases can be made to buy Expedition Packs to boost your progress,





## Step into the world of wildlife

Natural-history expert Dame Jane Goodall – famous for her studies of chimpanzees in the wild – is supporting a new series of virtual-reality (VR) films that aim to teach young people about protecting wild habitats. VR allows users to explore virtual worlds while wearing a headset.

The project is called The Wild Immersion, and is described as “the first virtual reserve”, with films featuring animals including lions, pandas, giraffes and a

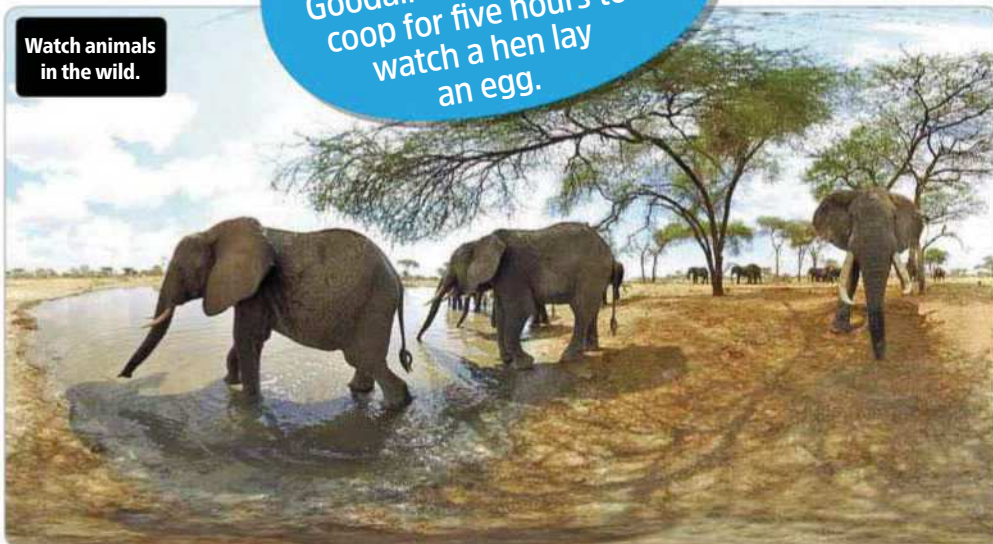
baby elephant. The first three films were shown at the Cannes Film Festival in May, and there are plans to exhibit them on VR headsets in shopping centres, cinemas and hotels around the world in the coming months. They will also be shown in classrooms throughout the US.

“The films are a way of interesting kids in conservation, and they may inspire people to save up and go out there and see it for themselves,” said Goodall.

### NATURAL OBSERVER

When she was little, Jane Goodall sat in a chicken coop for five hours to watch a hen lay an egg.

Watch animals in the wild.



Mario Kart teaches children to stay focused.

## Learn to focus with Mario Kart

Nintendo’s Mario Kart games could be seen as a distraction, but a new scheme wants to use the famous racers to help young people focus.

The project is the work of four engineering students at Villanova University in Pennsylvania, in the US, who created a way to measure people’s brainwaves using Mario Kart.

The more focused the players were, the faster their kart would go, but if their attention wandered,

it would slow down. The engineers used a Raspberry Pi computer, a pair of special glasses with sensors to track brain activity, and a keypad. Eventually the keypad will be exchanged for proper joysticks.

The ultimate plan is for therapists to use it when working with young people with attention-deficit disorders (conditions that make it hard to focus), so that they can test their concentration skills in a fun, less stressful way.

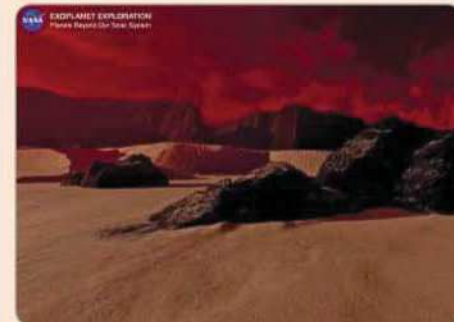


## WEBSITE OF THE WEEK

### EXOPLANET TRAVEL BUREAU

[tinyurl.com/TWJ-exoplanet](http://tinyurl.com/TWJ-exoplanet)

An exoplanet is a planet orbiting a star that’s outside our solar system. Nasa’s new website lets you virtually explore some of the most famous exoplanets, using artists’ impressions of what they might look like.



## SECRETS & HACKS

### TAKE A YOUTUBE BREAK

A new feature in YouTube’s mobile app will suggest you take regular breaks from watching videos. Go to the user settings menu, tap “remind me to take a break” and choose from notifications every 15, 30, 60, 90 or 180 minutes.

Never

Every 15 minutes

Every 30 minutes

Every 60 minutes

Every 90 minutes



## VIRAL VIDEO

### WHAT IS DUST MADE OF?

[tinyurl.com/TWJ-dust](http://tinyurl.com/TWJ-dust)

There may be dust gathering on the shelves in your bedroom, but what is it made of? A new video from TED-Ed explains the unique blend in each household’s dust matter – including a few surprises.





# Do something



## “DON'T RUN TOO FAST”



Name: **Perdy**  
Year: **6**

“I first did The Little Welly in 2016 with my friend Nancy. My favourite obstacle was wading through the muddy water and being in the foam pit – it was so much fun. I am looking forward to doing it again this year with a group of friends from school. When you are eight you are allowed to go around the course without your mum or dad, so take a friend and don't run too fast because then you can enjoy it more and have more fun.”



Perdy liked the foam pit.

## HOW, WHAT, WHERE?



### What else should I know?

Events typically cost between £10 and £20. They usually have an age restriction of seven to 12 years old, although Little Welly is aged four to 12. There may be a minimum-height restriction and sometimes an adult has to run with you.



### What should I wear?

Obviously you're going to get muddy and wet, so wear clothes that are comfortable to run in and all right to get dirty. The same goes for your trainers. You may need to change afterwards, especially if you have a long journey home, so bring clean and dry clothes (even undies!).



### Is it dangerous?

The courses are properly tested and well supervised. There's always a chance that you may get a small bump or bruise, but these types of races are not dangerous. There's no special equipment needed and you don't have to be super-sporty.

Do you enjoy running, adventures and having fun? Why not try a...

# Muddy obstacle course

Mud, foam, water, slides and inflatable objects. If you fancy taking these on in a fun sporting event, then a muddy obstacle course could be the perfect activity for you.

Thousands of young people around the UK enjoy this type of challenge and there are several companies that organise them throughout the year. Mini Mudder events are run by a group called Tough Mudder, which also organises races for adults. Mini Mudders are one-mile obstacle courses with all sorts of hurdles to conquer, such as climbing walls, mud pits and monkey swings. Runners usually work as a team to reach the finish line, but race times are not important. It's more about completing the course with a smile – and a bit of mud – on your face.

Pretty Muddy Kids is part of the popular Race for Life adult running

events, which help to raise money for Cancer Research UK. Children have to climb, crawl and charge through a mucky course that's around three miles long. There are more than 60 Pretty Muddy Kids courses this year in the UK. They are held in the warmer months, between May and October.

The Little Welly arranges large obstacle courses in the south-east of England. “We aim to get children outdoors and active, while having as much fun as possible,” says

Tracey Beard from The Little Welly. “We have more than 30 challenging obstacles over three kilometres. We also have a huge festival field with attractions and activities for families to enjoy.”

So if you don't mind getting a bit grubby and want to have a good time playing and exercising outdoors, look for an obstacle course near you.



Get outdoors and have fun.

## Learn more...

- Check out a Mini Mudder event near you this summer at [toughmudder.co.uk/mini-mudder](http://toughmudder.co.uk/mini-mudder)
- Get lots of info and news about The Little Welly by visiting [thelittlewelly.co.uk](http://thelittlewelly.co.uk)



## How to...



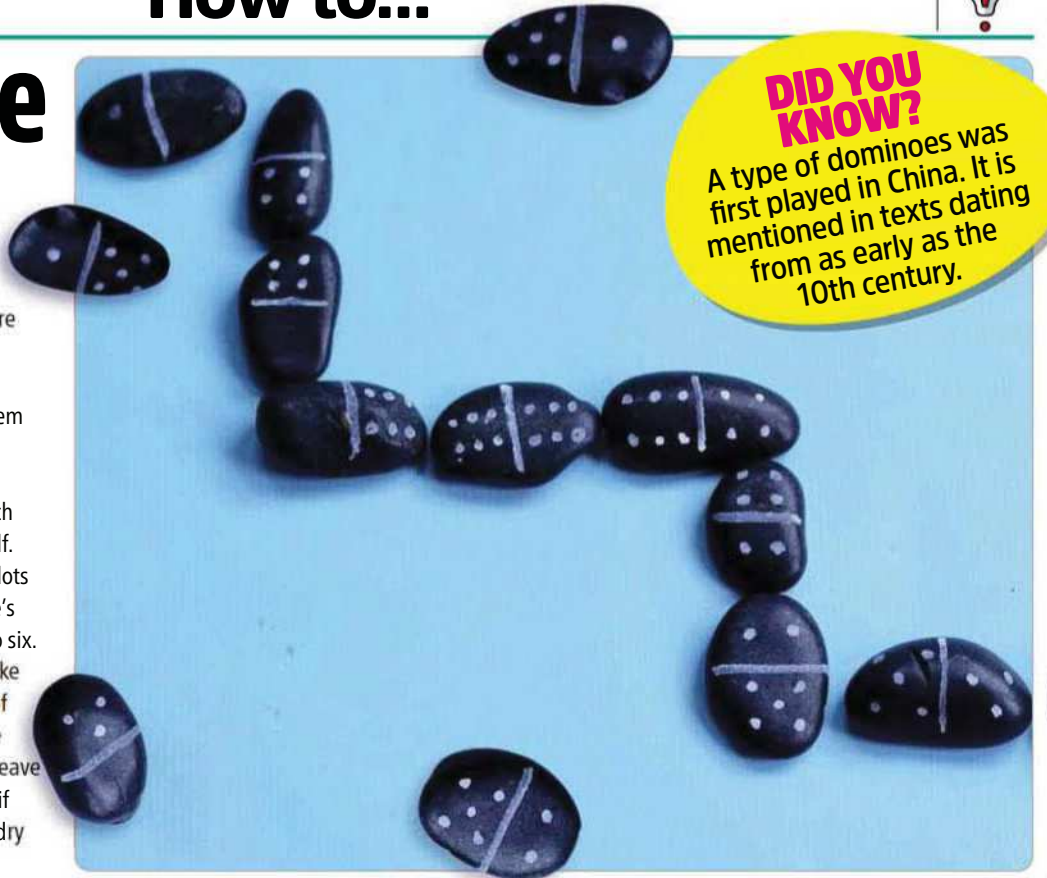
# Make pebble dominoes

### What you need

- Pebbles
- Black and white paints
- Paintbrushes

### Instructions

Collect some pebbles that are all roughly the same size – you will need at least 12. Paint them black and set them aside. Once the surfaces are dry use white paint to draw lines across the width of each pebble, dividing them in half. Next, carefully paint white dots onto each half of the pebble's surface, ranging from one to six. Repeat for each pebble. Make sure you have at least two of each number, otherwise the game won't work. You can leave a couple of sides blank too, if you wish. Once the paint is dry they are ready to play with.



### DID YOU KNOW?

A type of dominoes was first played in China. It is mentioned in texts dating from as early as the 10th century.

**Got an idea?** Made something cool? Share it with us at [hello@theweekjunior.co.uk](mailto:hello@theweekjunior.co.uk)

## NEW ISSUE!

Brought to you by the multi-award-winning makers of *The Week Junior*, this super-sized summer edition of *Science+Nature* is filled with fascinating features and packed full of wonder. Expert writers make science simple by revealing some of its greatest mysteries and explaining how our world works. Meet big cats, discover the secrets of sporting success and find out how forensic super-sleuths solve crimes.



Available for pre-order at [www.dennis.co.uk/science](http://www.dennis.co.uk/science)

**ON SALE  
14 JUNE**



# Over to you

## Editor's note

The publisher, Oxford University Press, has revealed that the Children's Word of the Year for 2018 is "plastic". It reached its conclusion after analysing the 134,790 entries that were submitted to BBC Radio 2's 500 Words story-writing competition by five- to 13-year-olds. The word "plastic" appeared 3,359 times. The use of words such as "recycling", "pollution" and "packaging" have also increased dramatically since last year's competition, suggesting that the environment is a concern close to many children's hearts. That's not a huge surprise to the team here at *The Week Junior* – we know how much you care about protecting your planet. The response to last week's Big debate on plastic packaging is just one example of that, with 92% of voters saying that it should be banned. Earlier this year, we joined forces with Authors4Oceans to launch its campaign to rid our seas of plastic pollution – you can find out more about it at [authors4oceans.org](http://authors4oceans.org) – look out for practical tips, a pledge to sign and a fantastic competition too.



**Anna Bassi**  
Editor, *The Week Junior*

# My different sister



Name: **Sonny**  
Year: **6**

“I have a different sister to most people. Elvi has a rare genetic disorder called RCDP (rhizomelic chondrodysplasia punctata). It makes speech hard for her, it makes walking more challenging and she has learning difficulties. This disorder is caused by just one of her genes not working properly. It makes my family's everyday life very different to the one most families have.

Many things about Elvi are frustrating for her, like her struggle in speech, which means we often don't understand what she wants. Her inability to walk means we can't go for lunch at a café without someone staying with her. However, this doesn't mean my sis is completely incapable at communicating, or that we never leave the house, because Elvi loves having walks in her power chair.

Last September, a group of friends and I gave a school assembly about Jeans for Genes, a charity that supports children and families affected by genetic disorders. We'd love you to spread the word about the charity and ask your teacher to sign up for Jeans for Genes Day on 21 September this year. You can find out more at [jeansforgenesday.org](http://jeansforgenesday.org)”



Sonny enjoys going for a walk with Elvi.

**What's going on at your school? Have you taken part in a sporting event, put on a show or done something fun to raise money? Whatever you're up to, we want to hear about it at [hello@theweekjunior.co.uk](mailto:hello@theweekjunior.co.uk)**

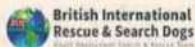


## CHARITY OF THE WEEK



### BIRD

BIRD, which stands for British International Rescue and Search Dogs, is a voluntary organisation based in North Wales. It was set up in 1995 by local dog handlers who wanted to train canines that could help with search and rescue operations following national and international disasters. This includes looking for people in the aftermath of floods, earthquakes, explosions, landslides and when buildings collapse. To find out more, visit [birdsearchandrescue.dogs.co.uk](http://birdsearchandrescue.dogs.co.uk)



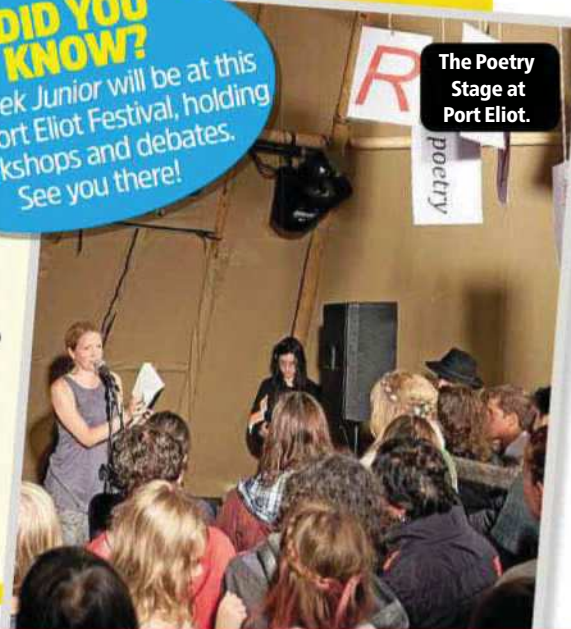
## GET INVOLVED

### Port Eliot's Poetry Competition

Next month, thousands of people will flock to Cornwall for the Port Eliot Festival to celebrate all forms of creativity, from literary talks and music to cooking and story workshops. For the second year running, there will be a Poetry Stage. For a chance to win two tickets to Port Eliot and have your work read out on stage, write a haiku or limerick about the festival. A haiku is a three-lined, non-rhyming poem made up of 17 syllables, with five syllables in the first line, seven in the second and five in the third. A limerick is a five-lined comedic poem. Visit [tinyurl.com/TWJ-porteliot](http://tinyurl.com/TWJ-porteliot) before 13 June for more details.

### DID YOU KNOW?

The Week Junior will be at this year's Port Eliot Festival, holding workshops and debates. See you there!



The Poetry Stage at Port Eliot.

### JOKE OF THE WEEK

“What's a happy vampire's favourite type of blood? B positive!”  
Tilly, Year 2

**GET INVOLVED** Email your news, views and pictures to



## YOUR PHOTOS

We'd love to see your snaps. Send them to us at [hello@theweekjunior.co.uk](mailto:hello@theweekjunior.co.uk)  
Don't forget to tell us why you took them.



Extreme multi-tasking.

"We were on a slip'n'slide when *The Week Junior* came through the letter box and we couldn't resist reading it so we multi-tasked!" **Amy and Anwen, Year 6**



"My guinea pig loves *The Week Junior*!"  
**Chloé, Year 4**



"I wrapped a birthday present in a recent issue of *The Week Junior* and wow, what beautiful wrapping paper!"  
**Anna, Year 5**

## POPJAM

Follow *The Week Junior* on Popjam @TheWeekJunior. You can download the free Popjam app from the App Store or Google Play.

Sheku Kanneh-Mason captivated his audience when he played the cello at last month's royal wedding. You said...

"I watched him! Such an amazing young player!"  
@COOLfox

"He was amazing! I got carried away in the music!"  
@littlemisssew

"I can't play any instruments! I can sing though!"  
@Lipstickgirl4021



A Tibetan man called Tashi Wangchuk has been jailed for five years by Chinese authorities for trying to save his language. You said...

"That is very sad!"  
@CosmicCreature

"That is so mean and unfair when he just wanted to save his own language!"  
@mudflaps

"How can they do that?"  
@PurpleRobin

Tell us what you think of this week's issue. We'll give you a shout-out if your post is printed here.

## Teacher OF THE WEEK

Teacher's name: **Mr Murphy**

School: **St Bride's Primary School, Bothwell**

"Mr Murphy is the best teacher because he makes all the boring stuff fun! This is Mr Murphy's first year at our school and we are very proud - and happy - to be in his first class. We've had a fantastic year with him!"

Penny and Lucia, Primary 4

If we pick your teacher as Teacher of the Week, we'll send your school three free issues of *The Week Junior*. Send your nominations, along with a picture of your teacher and your school's full name and address, to [hello@theweekjunior.co.uk](mailto:hello@theweekjunior.co.uk)



## Puzzles page answers

2	2	7		5	1	4						
9	2	4	0	2	9	8	4	2	9	4	5	
5	2		2	8		4		2		0		
9	5	4	0	6	8	7	7	5	9	4	1	
4	8		4		0		0		7		3	
8	4	4	7		7	0	4	4	4			
0		9		5		0		6		8	3	
				7	3	0	8	6		8	1	4
1		3		8		0		6		9		2
4	2	3	2	1		2	9	7	9	7	3	7
6		1		5		5		3		9		3
9	3	3	8	1	9		8	1	4	1	4	1
3		3		7				6		2		2

Anagrams  
milkshake, notebook

Wordfinder  
rugby



1 b) Central America 2 True 3 China 4 b) Secondary school 5 103 6 b) Walking sticks  
7 False, they have won it a record five times 8 25 years 9 a) Malaysia 10 True  
11 9.93 seconds 12 c) Lost Voice Guy 13 True 14 Mini Mudder 15 c) £75



Every reader who has a report, review, Teacher of the Week nomination, joke or a picture printed in the magazine will be sent a Roving Reporter badge.



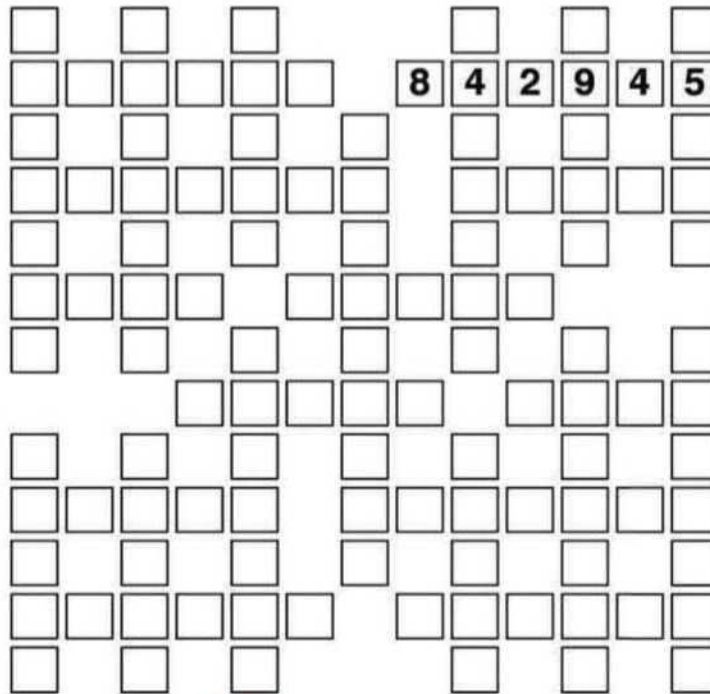
# Puzzles



## Number cross

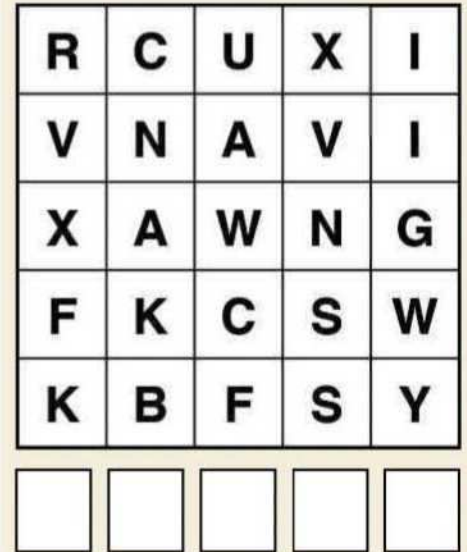
All of these numbers appear once in the grid below. Can you work out where each of them goes? We've placed one number to start you off.

- 4 numbers**
- 8447
- 8814
- 5 numbers**
- 14693
- 19297
- 33133
- 42321
- 45013
- 67316
- 70444
- 72264
- 73086
- 75941
- 6 numbers**
- 814141
- 842945
- 924029
- 933819
- 7 numbers**
- 2424849
- 2959480
- 2979737
- 3427312
- 5381517
- 5447046
- 8897912
- 9540667
- 9 numbers**
- 870008025



## WORDFINDER

A five-letter word has been hidden in the grid below. To find it, cross out any letter that appears more than once. For an extra challenge, see if you can find it without crossing out any letters.



## ANAGRAMS

Rearrange the scrambled letters to form a word.

### KHAKIELMS

(CLUE: Cool treat)

### OBOEKNOT

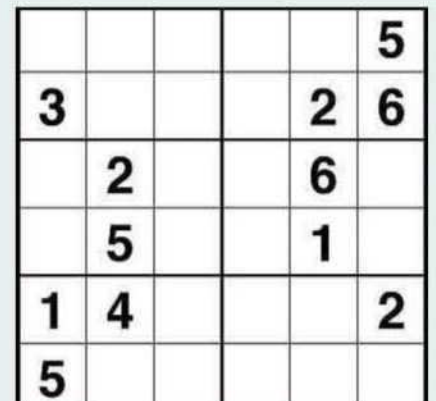
(CLUE: Full of ideas)

ANSWERS  
CAN BE  
FOUND ON  
PAGE 27



## Sudoku

Place the numbers from 1 to 6 exactly once in each row, column and 2x3 bold-lined box, to complete the grid.



LITTLE WELLY - SHUTTERSTOCK

## Spot the difference

These two pictures of children taking part in an obstacle course might appear to be the same, but take a closer look. There are five fiendishly hard-to-find differences. Can you spot them?





**WOW!**  
Explorer Marco Polo brought a recipe for fruit ice from China back to his home town of Venice, in Italy, in 1295.

## Would you try these flavours?

At the seaside, do you prefer a refreshing ice cream or a bag of fish and chips, with a side of mushy peas and a dollop of ketchup? An ice-cream parlour in Herne Bay, Kent, has just made this decision a little easier. Makari's is now offering customers ketchup, mushy pea and Marmite-flavoured ice cream. Nejmi Hassan, who makes these unusual flavours, describes them as an acquired taste but hopes that they will become the "taste of the summer".

## US goddesses nail it

At Maria Ortiz's nail salon in New Jersey, in the US, a group of women are bonding over their fingernails. Called the Long Nail Goddesses, some of them have nails that are up to 48 centimetres long. They meet at the salon and swap stories about their fancy finger art, paying £75 for a seven-hour-long manicure. Maria, the salon's owner, started growing her 20-centimetre nails more than 15 years ago, and she loves them. Despite their astonishing length, their nails don't hinder them, say the women.



These nails are seriously long.



Cockroach milk is a form of crystal.

## Creepy-crawly milk

In 2016, scientists in India published a study that claimed cockroach milk may be good for humans. When a magazine tweeted about it last week, it sparked an online discussion. Cockroach "milk" is actually a form of crystal that the insect uses to feed its young. It is said to contain healthy proteins, fats and sugars. It may be a while before you have cockroach milk on your cereal, though, as it is not yet known for sure if it is safe for people to drink.

## Real or Rubbish?



The animals pooped in gardens.

## Sheep invade village street

Residents of a cul-de-sac in Maulden, Bedfordshire, were rudely awoken at 7am on 29 May by a flock of sheep. Neighbours became temporary shepherds as they rounded up the 40 invading animals onto a driveway until their owner could collect them. A local farmer apologised for the mess his escaped flock had made, as some gardens had been nibbled or pooped on. But what do you think? Did sheep really baa-rge their way onto a quiet street, or are we making it up?\*



## Robot dogs get special funerals

Around 800 funerals have been held for robot dogs at a Buddhist temple in Tokyo, Japan, since 2015. Called Aibo (short for artificial intelligence robot), the dogs were first produced by Sony in 1999. In 2014, Sony announced it would no longer be supplying updates for the older Aibo models. For owners, this meant their robot rovers would soon stop working. Although there are companies who offer to repair the dogs, sometimes the Aibos just can't be fixed. When this happens, funerals are held out of respect for the owners' feelings.

\*Rubbish! It was actually a herd of cows that had overrun the village street. They were safely ushered back to their home by the farmer and a police officer.



# Quiz of the week

## How much of this week's news can you remember?

1 Where is Guatemala?

- a) North America
  - b) Central America
  - c) South America
- a  b  c

2 True or false? The World Custard Pie Championships were recently held in Kent.



3 In what country is a "horizontal skyscraper" being built?

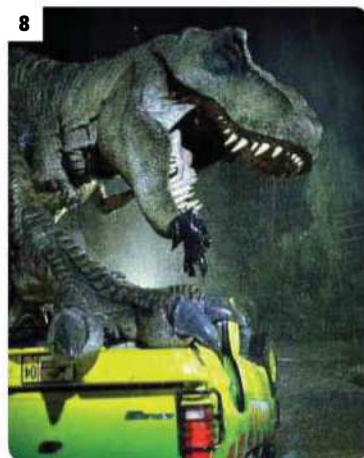
- a) Primary school
  - b) Secondary school
  - c) University
- a  b  c

5 How old is poppy seller Rosemary Powell, who is about to retire?

- a) Twig insects
  - b) Walking sticks
  - c) Branch bugs
- a  b  c

7 True or false? Brazil has won the Fifa World Cup nine times.

8 How many years has it been since the first *Jurassic Park* film was released?



9 In which country did a baby giant panda appear in public with a toy lookalike?

- a) Malaysia
  - b) Malawi
  - c) Maldives
- a  b  c

10 True or false? Tatiana Calderón became a test driver for the Alpha Romeo Sauber F1 team this year.

11 Ronnie Baker won the 100-metre race in Rome with what time?

- a) Robert White
  - b) DVJ
  - c) Lost Voice Guy
- a  b  c

13 True or false? Jane Goodall once sat in a chicken coop for five hours to watch a hen lay an egg.

14 What is the name of the mile-long obstacle course organised by Tough Mudder for children?

- a) £15
  - b) £55
  - c) £75
- a  b  c

### THE WEEK Junior

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### OUR AWARDS CABINET



# A FUNNY AND HEARTWARMING TALE

**D**ive head first into *Boy Underwater*, a warm and funny story about family, friends and secrets. This intriguing tale follows a young boy, named Cymbeline, who has never been swimming before. Not once. That was until his first swimming lesson. He thought he had it all planned out – he'd dug out his dad's old swimming trunks and Googled how to do the front crawl, but Cymbeline could never have prepared himself for the accident at the pool and how his mum would react to it. With the help of his friends, Cymbeline tries to solve the mystery of his mum's sudden breakdown and to discover why she had never taken him near water. What they unearth, however, turns Cymbeline's life completely upside down.

## MEET THE CHARACTERS

### Cymbeline Igloo

Just an ordinary boy who is named after one of Shakespeare's plays. He's also the joint-third-best football player in Year 4.

### Billy Lee

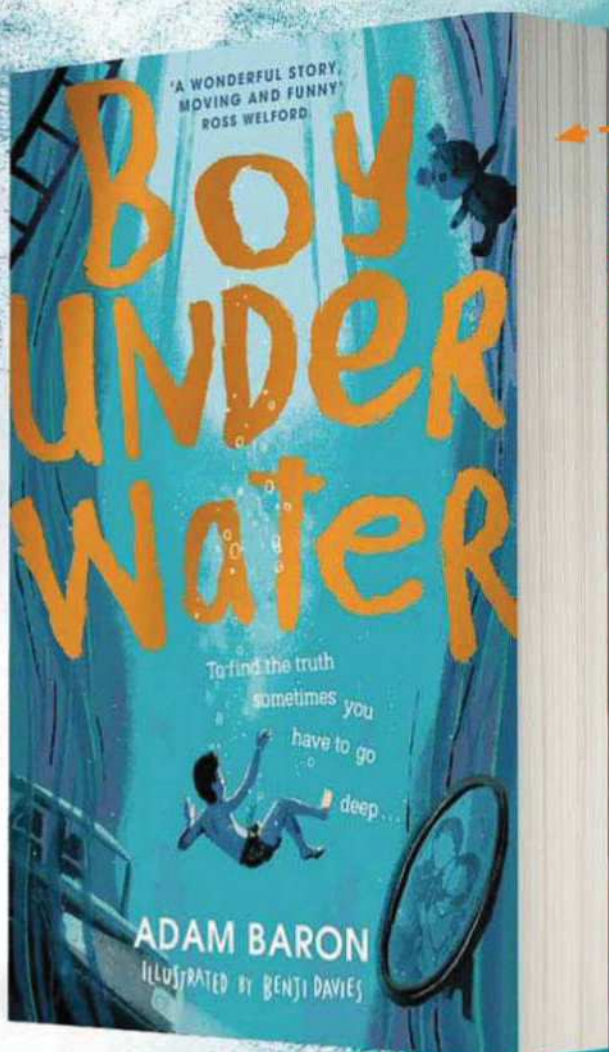
Meet the best football player in Year 4. Billy is an excellent swimmer and a super-horror, so not quite friend-material.

### Veronique Chang

Veronique is one unapproachable genius who is grade five in piano. She lives next door to Cym's cousins.

### Mr Fluffy

Mr Fluffy is Cymbeline's irreplaceable snuggly toy that was given to him when he was a baby.



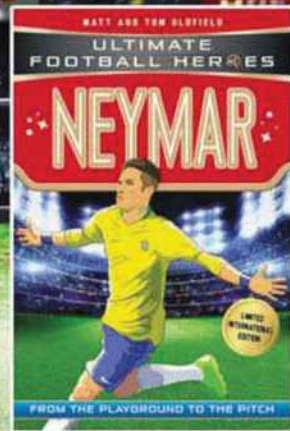
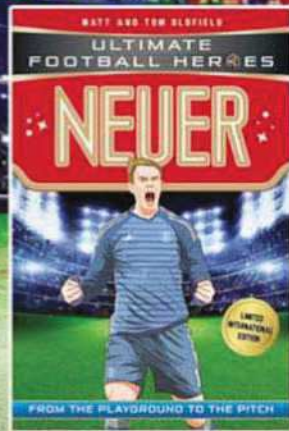
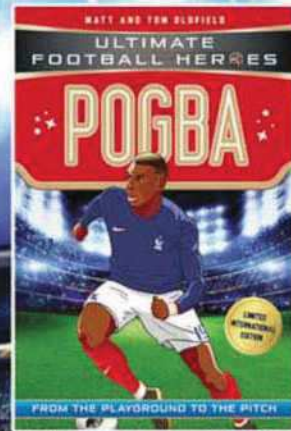
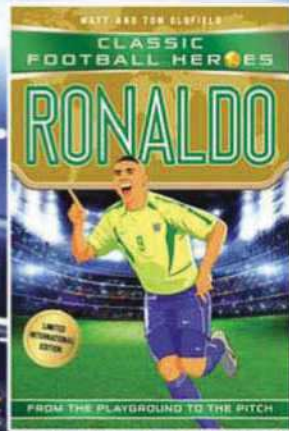
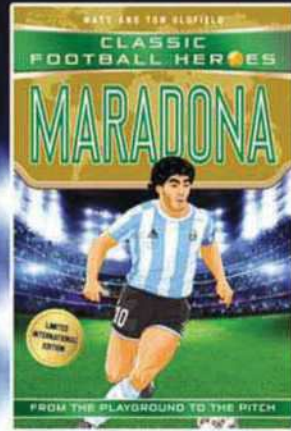
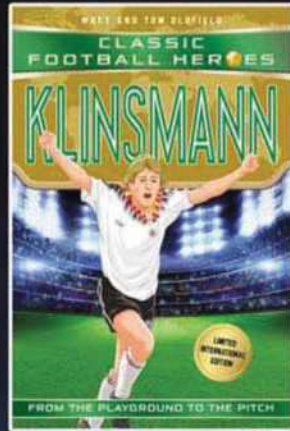
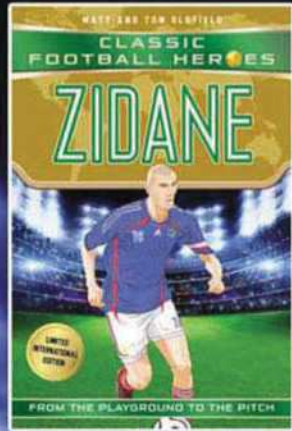
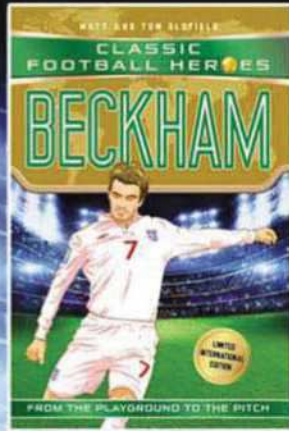
Waterstones Children's  
**Book of the Month**

*Boy Underwater* is Waterstones Children's Book of the Month – available now from your local Waterstones or at [Waterstones.com](http://Waterstones.com)

## ABOUT THE AUTHOR

Adam Baron has written five books for adults. *Boy Underwater* is his first novel for a younger audience. Baron lives in Greenwich, in south London, with his wife and three children, he wrote *Boy Underwater* because they told him to.

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