

**NEWS
FOR KIDS!**
2.6 MILLION+
READERS*

**HOW
TO BEAT
BULLIES**
P13



**TOP
INVENTIONS
OVER 150
YEARS** P18-19



**SNIFFER
DOGS DETECT
COVID**
P11



FirstNews

Issue 780 £2.25
28 May – 3 June 2021

**HELPING
THE UK GROW**



NEWS | SPORTS | ENTERTAINMENT | INTERVIEWS | PUZZLES | COMPETITIONS



BAN SMOKING!

SAY KIDS

IF children were in charge, smoking would be banned in the UK.

by editor in chief Nicky Cox

That was the finding when more than 5,000 First News readers took part in our poll asking whether smoking should be made illegal here.

We put the question to the youngest generation after reports that New Zealand was considering a ban, aiming for the country to be completely smoke-free by 2025.

Of the 5,564 who took part in our poll, 4,345 kids (78%) said they would make smoking illegal. Only 1,219 young people (22%) said they wouldn't stop people from lighting up.

In New Zealand, many health organisations are supporting a

smoking ban. Cancer Society NZ chief executive Lucy Elwood said: "Tobacco is the most harmful consumer product in history and needs to be phased out."

However, not everyone agrees that the plans are a good thing. There are concerns that small shops could lose money, or that more criminals might smuggle cigarettes into the country.

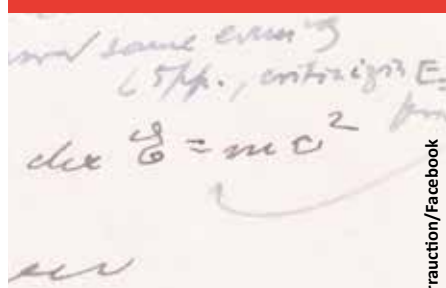
In the UK, the NHS says around half a million people are admitted to hospital every year because of smoking and that, annually, some 78,000 people die from the habit.

It's World No Tobacco Day on 31 May, with the WHO (World Health Organization) urging smokers to "commit to quit".

**EXCLUSIVE! FirstNews
POLL OF MORE THAN 5,000
YOUNG PEOPLE**

YOUR SAY: Turn to p7 to find out what First News readers are saying about smoking.

EINSTEIN NOTE SOLD



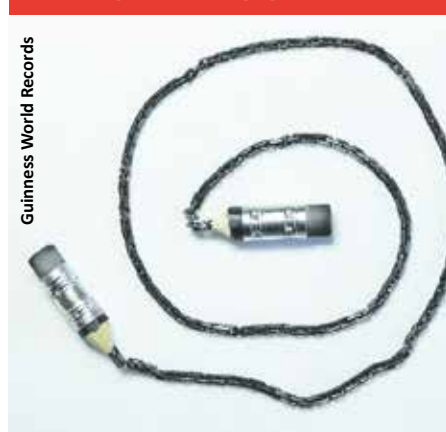
rraution/Facebook

A handwritten letter by Albert Einstein that features his famous $E=mc^2$ equation has sold for more than \$1.2m (£850,000). The equation means 'energy equals mass times the speed of light squared', and is a really important equation that has revolutionised our understanding of physics. The letter is thought to be one of only four documents with the equation written by Einstein. The rarity meant that the letter sold for three times more than expected at auction.

POETS WANTED

If you're a poet and you do know it, you might be interested in a new poetry competition, Pandemic Poetry – Futures of Hope. Aiming to bring hope after lockdown, the competition asks poets to express their feelings, hopes and concerns over their futures. It is open to anyone aged between 5-18 and £100 is up for grabs too. Entries must be submitted by 27 June and you can find out more at youngwriters.co.uk/competitions.

PENCIL RECORD



Guinness World Records

A man from India has notched up a Guinness World Record by carving 212 freely-moving chain links out of pencil graphite. Manoj M achieved the incredibly precise feat using surgical blades and two pencils. Manoj said: "I did not use any adhesives [glue] to attach the links. Connecting the links of two pencils was a problem, but I solved it by making a crack on the last link." He said it took four hours a day for about a month to finish.

QUICK NEWS

TO READ YOURSELF AND SHARE WITH FRIENDS

JOURNALIST ARRESTED



Getty

Roman Protasevich

The leader of Belarus has been strongly criticised after a plane that was flying from Greece to Lithuania was forced to land in Minsk, the Belarusian capital. On board was Roman Protasevich, a journalist who has been critical of the Belarusian government. It's thought that the president, Alexander Lukashenko, gave the order to force the landing so that Mr Protasevich could be arrested. Belarusian opposition leader Sviatlana Tsikhanouskaya said: "We're really afraid, not only for his freedom but for his life." Many countries have condemned the actions of Belarus and demanded the journalist be freed.

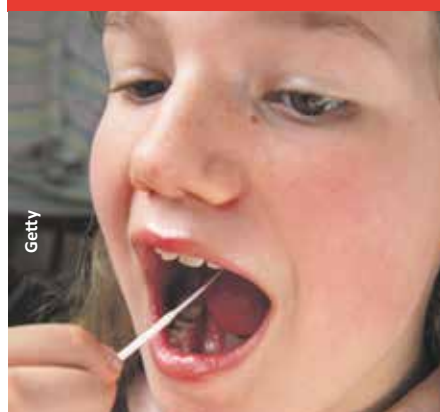
MYSTERY ART



Chris Halliwell/Facebook

Mystery artworks have been appearing in the Lake District. The unknown artist has been compared to Banksy, as the slate sculptures mysteriously appear and no-one knows who is behind them.

COVID SCHOOL RISE



Getty

The number of school pupils in England with confirmed cases of COVID-19 has risen by 33% in a week. Statistics from the Department for Education show that 4,000 pupils had confirmed infections on 20 May, an increase of 1,000 from the week before. The figures also showed that the number of pupils self-isolating had also risen from 44,000 to 60,000 in the space of a week. Some countries have begun vaccinating children against COVID – the US immunised 600,000 in a week. The UK Government hasn't made a decision to do so yet. Nearly all children with coronavirus suffer mild symptoms and make a full recovery.

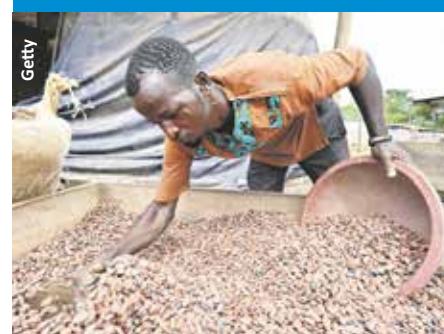
RIVER TEEN IN COURT

Earlier this month, we told you about two heroic teens who rescued a 74-year-old man after he was kicked into a river. Now, the person responsible for the awful act has pleaded guilty to assault. The 18-year-old, who said he was "very sorry", will be sentenced next month. Ellie Hughes and Khloe Woods were praised for rescuing the injured man. The 14-year-olds formed a human chain and pulled him out of the water.

NEW OLD CROC DISCOVERED

An ancient crocodile skull found in Australia is believed to belong to an extinct species, previously unknown to scientists. The skull is thought to be eight million years old and its discovery suggests central Australia once had rivers suitable for crocodiles.

CHILD LABOUR ISSUES IN AFRICA



Getty

Twenty-two people have been sent to prison for their part in forcing children to work on cocoa farms in Ivory Coast. The country produces the most cocoa beans – which are used to make chocolate – in the world. The criminals were each sentenced to between 5-20 years in prison, while 68 children were rescued from working on the farms. Since 2019, 2,000 children have been removed from cocoa farms, but a study by the University of Chicago estimated that up to 800,000 children are forced to work in the cocoa industry.

STOLEN TREASURES

A metal detectorist who found nearly 300 Roman and Viking treasures on his first hunt was surprised to find them buried inside a carrier bag. It turned out the treasures were stolen in 2017. Thankfully, they have been returned to their rightful owner now.

DOLPHIN ADOPTION

A bottlenose dolphin has adopted a baby pilot whale in New Zealand. Researcher Jochen Zaeschmar said that, while it's not strange for dolphins to adopt the calves of another species, "it's quite unusual for them to adopt a species that's bigger than them". Bottlenose dolphins are no small fry, weighing up to 300kg, but that's nothing compared to a pilot whale. These ocean giants can weigh two tonnes and grow to be six metres long.



FarOutResearch/Facebook

FERRETS CAN SMELL BIRD FLU IN DUCK POO!



Glen Golden

AN American study has found that ferrets can sniff out bird flu in the poo of infected ducks.

In 2015, bird flu in the US led to the death of 50 million birds and a loss of billions for the poultry industry.

Waterfowl, such as ducks, are believed to be the main host for the virus, so researchers wanted to look at ways to detect infection. That's where the ferrets come in!

The ferrets were trained to recognise acetoin, a chemical that infected birds have in greater quantities. The researchers used five 'scratch boxes'; one contained infected poo while the other four had the poo of a healthy duck. The ferrets were able to sniff out the infected poo more than 90% of the time, scratching the box to let the researchers know.

The success of the study could lead to other animals like dogs being tested as bird flu sniffers. It is hoped that this way of detecting the virus will prove to be easier and cheaper than current methods.

ADVERTS IN THE SKIES



DRONE displays are being used for some expensive marketing stunts in China, but is it amazing or a step too far?

Korean car brand Genesis picked up a Guinness World Record for having the most drones in the sky at the same time. The impressive spectacle saw 3,281 drones (below) being launched into the air in Shanghai to celebrate the company entering the Chinese market.

Since then, a Chinese company called Bilibili pulled off another drone display to advertise a Japanese role-playing game called *Princess Connect! Re:Dive*. The display included a QR code (left) that you

could scan with your phone to find out more about the game.

Using thousands of individual drones to make pictures in the sky is very clever, but some people weren't very impressed.

They think we see enough advertising in the world, from billboards in the street to ads on the internet, and don't want promotion in the sky to become normal.

What do you think? Are aerial adverts a creative work of art or a smear on our skies? Vote in our poll and let us know!



Pathfinder/Twitter



How do you feel about drones being used for advertising? Let us know!

Go to [first.news/polls](https://www.first.news/polls) to vote



Guinness World Records/YouTube

AUSSIE SCHOOLS STRIKE FOR CLIMATE

UP to 50,000 Australian students left school on 21 May as part of the School Strike 4 Climate protests.

Marches took place at 47 sites around the country, condemning the fossil fuel industry and a lack of government action.



WOW

Getty

MEET THE WORLD'S LARGEST ICEBERG



European Space Agency

AN iceberg that has broken off from an ice shelf in Antarctica has been declared the largest in the world.

A-76, as it has been called, is 4,320km² (1,668 square miles), which is bigger than the Spanish island of Majorca. The finger-shaped berg broke away from the Ronne Ice Shelf and is around 170km (106 miles) in length and 25km (15 miles) wide.

It's still not a patch on A-68 though. A-68 made headlines over the last year when there were fears it would collide with the remote island of South Georgia, affecting the seals and penguins that lived there. At the time, it was nearly 6,000km² (2,300 square miles) in size.



BRISTOL, UK

HASANI, an infant gorilla who has been hand-reared at Bristol Zoo Gardens, now has a surrogate mum, Kera. Hasani was cared for by keepers after his birth mother, Kala, struggled to look after him. Hasani is now spending every day and night with Kera and making good progress.



RIETVLEI NATURE RESERVE, SOUTH AFRICA

THE Comedy Wildlife Photography Awards has released a selection of this year's top entries, including this grumpy pied starling captured by Andrew Mayes and called Monday Morning Mood.



CATANIA, ITALY

LAVA erupts from the southeast crater of Mount Etna. The new eruption of the volcano ended after a few hours.



LONDON, UK

A GROUP of students, along with an award-winning artist and Paint The Change, have produced a huge, colourful mural outside their school – a face reflecting planet Earth in its eyes. They wanted to send a message to the officials going to the UN Climate Change Conference this November to “act now or it’s too late”.



NEW YORK, USA

FOR Asian/Pacific American Heritage Month, schoolchildren displayed these messages against hate, using ribbons and signs promoting peace, love and hope. Over the last year, there has been an increase in incidents of racism against people with Asian heritage in the US and elsewhere.



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SAVING THE WORLD'S CORAL REEFS



Check out Hope Reef on Google Earth!

A HUGE coral reef spelling out the word HOPE has been unveiled off the coast of Sulawesi in Indonesia.

The Hope Reef project is part of the world's largest coral reef restoration programme, set up by the cat food company Sheba. It aims to show how positive change can happen in our lifetime.

The new reef has been created using special 'reef star' technology. These 90cm-wide, star-shaped steel structures are joined together underwater to make a web.

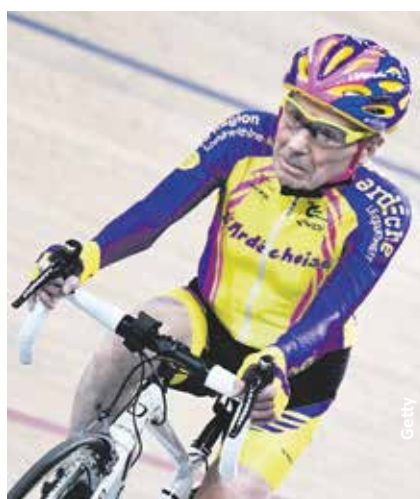
This web covers the seabed and provides a strong, stable base for

coral to grow.

Coral is important for humans and marine life, providing food and protection. Scientists estimate that if we don't act, 90% of the world's tropical reefs could disappear.

A YouTube channel has been set up to help raise money for more projects like Hope Reef. For every view of *The Film That Grows Coral*, money will be donated to The Nature Conservancy to support reef restoration around the world.

FAREWELL TO RECORD-BREAKING CYCLIST



A RECORD-BREAKING cyclist has died at the grand old age of 109.

Robert Marchand was known as the world's oldest competitive cyclist, breaking records well after he turned 100 years old. The French rider even had to have age categories created specifically for him! In 2017, he set a world record in one-hour track cycling in the over-105 age group – something no-one had ever attempted before. Robert rode 22.547 kilometres (14 miles) in one hour.

It's believed the centenarian cycling star rode every day, right up to a week before his death.

European Commission vice-president Margaritis Schinas said that Robert was: "A legend, an example for European sport."



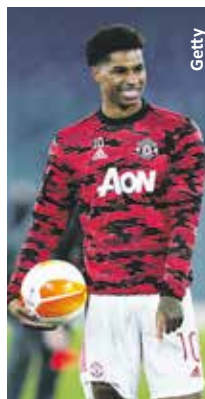
EDITOR'S COMMENT

THE world that you create could be very different to the one that you inherit from the generations that have gone before you. I always say that children are 27% of the world's people but 100% of the future. First News aims to give you a voice so that you can be agents of that future. Whether it's climate change, eating meat, smoking (front page) or other important issues, you can probably already teach adults a thing or two about our mistakes.

GOOD WEEK

MARCUS RASHFORD

THE footballer has become the youngest person to ever top the Sunday Times Giving List. The Man U player was recognised after helping to



raise a whopping £20 million to fight child poverty and campaign for free school meals. The Giving List ranks people by comparing how much they've raised for charity against how much they are worth.

BAD WEEK

JAMES NEWMAN

THE singer suffered a big defeat at this year's Eurovision Song Contest in Rotterdam, as the UK got zero points. It's the fifth time the UK has come last in the famous competition, and the second time it has scored zero. Italy was voted the winner, with a rock song by the group Måneskin.



CHESS CHAMP, AGED TEN



A TEN-YEAR-OLD schoolboy has beaten a chess grandmaster.

Frederick Waldhausen Gordon started playing chess when he was six and is now Scotland's top under-18 player. This year, he took his skills to new heights and defeated Croatian grandmaster Bogdan Lalić at the English Chess Federation Rapid Grand Prix. A grandmaster is the highest title a chess player can be awarded.

Frederick, who also drew with English grandmaster Keith Arkell during the competition, told the BBC that he kept his impressive feat a secret because he didn't want to seem like he was boasting to his classmates.

CONGO VOLCANO ERUPTS



Getty



Getty

THE Nyiragongo volcano in the Democratic Republic of the Congo (DRC) has erupted, destroying hundreds of houses.

At least 32 people are thought to have died in the disaster, and many thousands had to be evacuated.

The volcano is near to the city of Goma, home to hundreds of thousands of people and the central hub for the United Nations' aid mission in the DRC.

The military governor of North Kivu province said that "the city was spared" by just a few hundred metres after "the lava halted on the outskirts of Goma".

The last time that the Nyiragongo volcano erupted was in 2002. On that occasion, almost all of eastern Goma was covered with lava, including half of the airport's landing strip. More than 200 people were killed and nearly 120,000 people were left homeless.

Experts believe the Nyiragongo volcano to be one of the most dangerous in the world, because of its fast-moving lava, which can flow at up to 60mph (nearly 100km/h).

For the past seven months the volcano hasn't been monitored, due to a lack of funding.



Getty

BBC SAYS SORRY TO WILLIAM AND HARRY OVER INTERVIEW

A NEW report has found that BBC reporter Martin Bashir used "deceitful" methods to obtain an interview with Princess Diana.

The BBC and journalist Martin Bashir have apologised to Princes William and Harry for the way an interview with their mother, Princess Diana, was carried out in 1995.

The report has been published following an independent inquiry by former British judge Lord Dyson. It found that Bashir used fake documents to gain the trust of Princess Diana's brother, Earl Spencer, to try to get his support for the interview. The report says that the BBC then covered up the "deceitful" tactics.

In 1996, an internal inquiry cleared the BBC and the journalist of any wrong-doing.

More than 23 million people watched the Princess



Getty

Diana interview 25 years ago, when she opened up about her mental health and some of the difficulties she faced. The interview won a number of awards.

The BBC has said the report showed "clear failings", and will give up the awards. Prince William, the Duke of Cambridge, said he was "most saddened" that his mum never learnt that she had been deceived by Bashir and BBC bosses of the time.

Prince Harry also responded to the report, saying it was "the first step towards justice and truth. Yet what deeply concerns me is that practices like these – and even worse – are still widespread today. Let's remember who she was and what she stood for."

DIARY DATES

BIKE WEEK
30 MAY – 5 JUNE

On your bike, mate!
Yes, it's Bike Week this week. Why not take the opportunity to cycle somewhere with your family this Bank Holiday weekend?

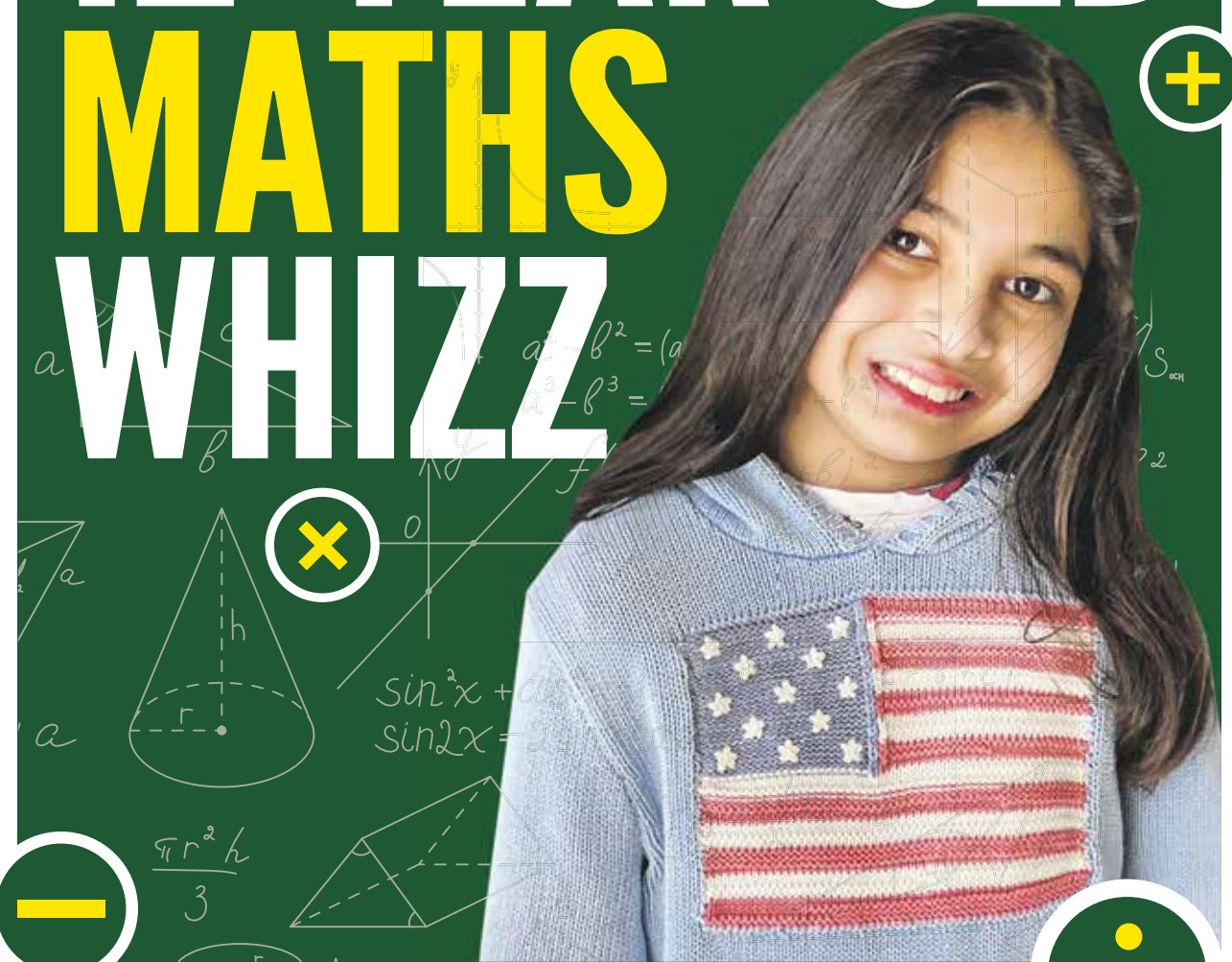


Getty

**WORLD
TRANSPLANT GAMES**
28 MAY – 4 JUNE

The World Transplant Games (WTG) is an international multi-sport event that is held every two years. It was cancelled in 2021, but is back to help raise awareness of the importance and benefits of organ donations.

12-YEAR-OLD MATHS WHIZZ



THE Guinness World Record for the largest mental multiplication has been set by an 11-year-old girl!

Without the use of a pen, paper or a calculator, Sanaa Hiremath has broken the record for largest mental arithmetic multiplication, after solving a 12-digit sum in under ten minutes!

Sanaa, from Florida, USA, was diagnosed with autism at the age of two. When her parents started to home-school her a few years later, they found that she had an incredible talent for maths.

Sanaa's mother, Priya Hiremath, said that the very first time they introduced multiplication, she was

able to find answers instantly.

Her parents continued to give her harder sums, but it became clear that they were all too easy for Sanaa.

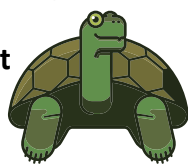
"I don't think she has any limitations," her dad Uday said. "Six digits, seven digits, who knows?"

While Sanaa might be able to do university-level maths, her autism makes communicating difficult.

Her parents say they'll work to help her in the areas that she struggles with.

ACTOR GIVES TO THE GALÁPAGOS

ACTOR Leonardo DiCaprio has pledged \$43 million (£30 million) to support a wildlife project on the Galápagos Islands.



Leo's donation will go to the Re:wild project – a conservation effort to help restore wildlife to islands where creatures such as the pink iguana are nearly gone.

The project also hopes to bring back extinct species such as the Floreana Island tortoise.

The Galápagos Islands, 1,000 km off the coast of Ecuador, are known for their many types of unusual plants and animals.

Created by volcanoes, the islands are inhabited by animals such as giant tortoises,

marine iguanas, penguins and vampire finches!

On a visit to the Galápagos in 1835, biologist Charles Darwin noticed differences between the same animals on the different islands. This helped him to understand how animals adapt and evolve over time.

DiCaprio said of the Re:wild project: "More than half of Earth's remaining wild areas could disappear in the next few decades if we don't decisively act."



HERE are just a few of your reasons for – and against – banning smoking in the UK. Do you agree with them?

Why is smoking not illegal already?! It harms your lungs, teeth, overall health! It's bad for young children to be around the smoke too.

weirdcat

Thousands of people literally die of illnesses caused by smoking so it should be illegal.

ridulfa

I think that the Government should give a special permit to people who are already smoking because it's really hard to stop and if you don't have a permit then you can't buy a cigarette.

ginny09876

It shouldn't be illegal, because it is a personal decision, but it should be discouraged. I don't believe smoking is right, but if people aren't given the opportunity, cigarettes will just be smuggled in, meaning that the problem won't be solved.

charlieee7

Smoking is bad for people and the environment, it should be illegal!

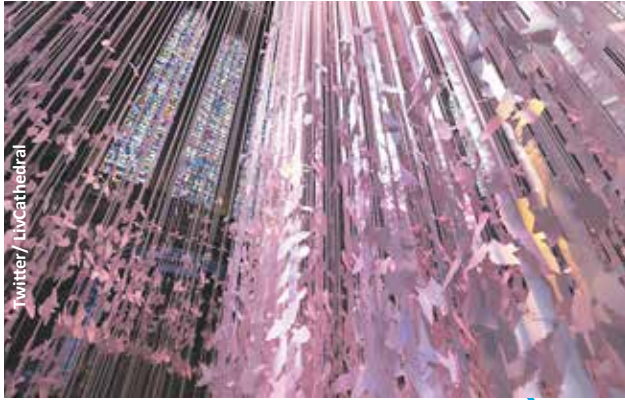
pinkyfox

LIVERPOOL

● Paper doves form peace display

A new art installation featuring thousands of paper doves has opened at

Liverpool Cathedral. Peace Doves features 15,000 paper doves suspended from the ceiling, each with a handwritten message of peace, hope and love from schoolchildren and community groups. The doves were created by sculptor and artist Peter Walker.



SOMERSET



● Glastonbury is back (kind of)!

A one-day festival called Equinox is going to take place at Worthy Farm, the famous Glastonbury site, in September. The event will be open to 50,000 people, but there will be no camping and acts haven't been announced yet. The original Glastonbury Festival had to be cancelled again this year due to the pandemic. A global livestream concert took place last weekend instead.

CORNWALL

● Wally's Cornish holiday

Wally the walrus, who has become famous for popping up in Wales, has been spotted in Cornwall for the first time. The massive Arctic mammal was seen near Padstow. His arrival follows the sighting of killer whales off the coast of Cornwall in early May – their first appearance in more than ten years.



ARUNDEL

● Treasure stolen from castle

A collection of treasure worth more than £1 million has been stolen from Arundel Castle in West Sussex. Among the items taken was a set of gold rosary beads that had been carried by Mary Queen of Scots to her execution in 1587. Several coronation cups were also snatched. The treasure was displayed in a cabinet for the public to see. A spokesman said the unique artefacts are of "priceless historical importance". Police are investigating.



ORKNEY ISLANDS

● Dogs saving wildlife

Three very clever dogs have joined the hunt to track down stoats that pose a risk to important wildlife on the Orkney Islands. Sprocker spaniel Scout, Labrador Spud and English springer spaniel Thorn have been trained specially to track the scent of the small predators. Stoats, or short-tailed weasels, are a threat to native wildlife such as the Orkney vole, the hen harrier and the short-eared owl. The new doggy trio are part of a big project on the islands called the Orkney Native Wildlife Project.

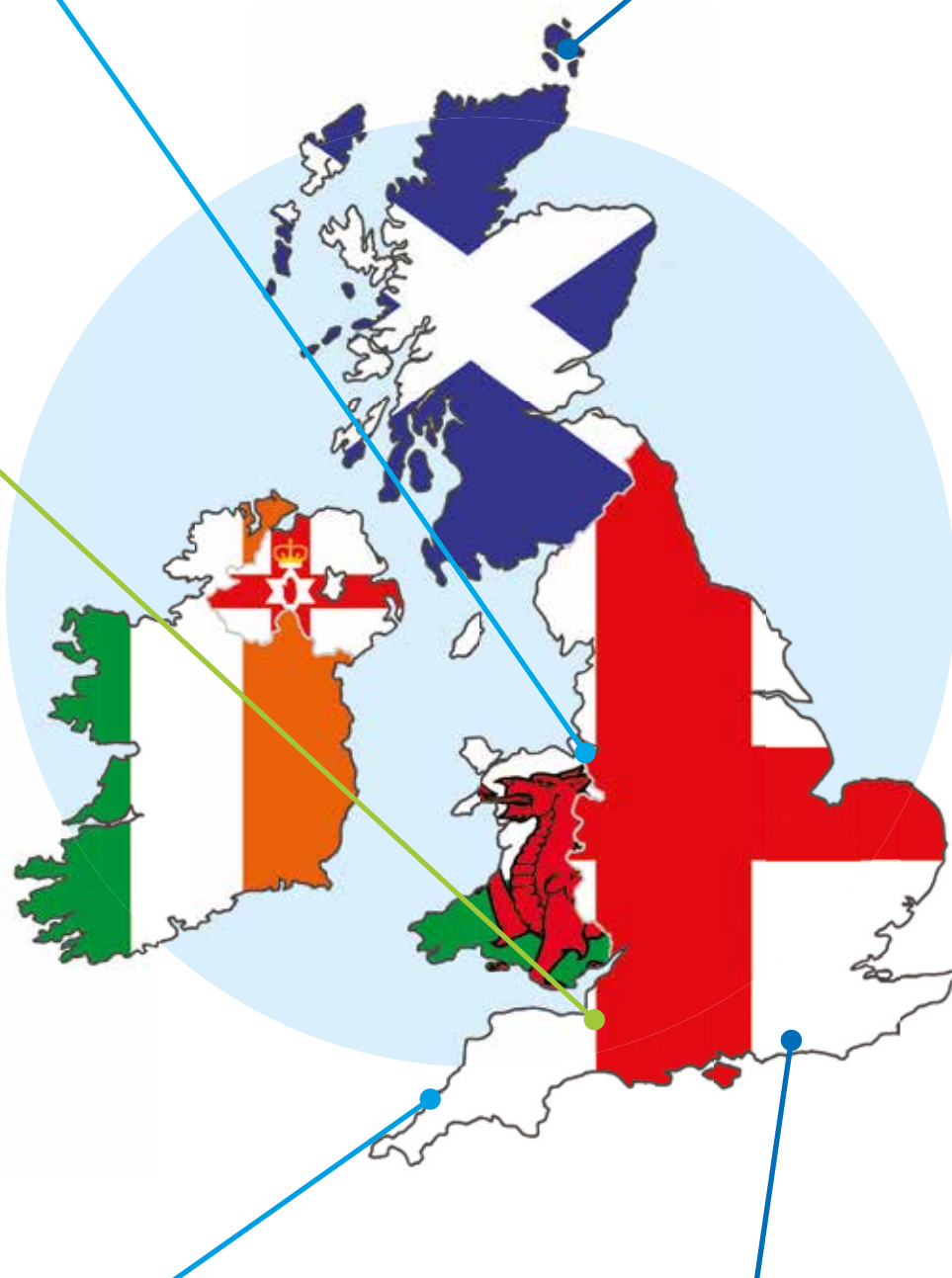


UK



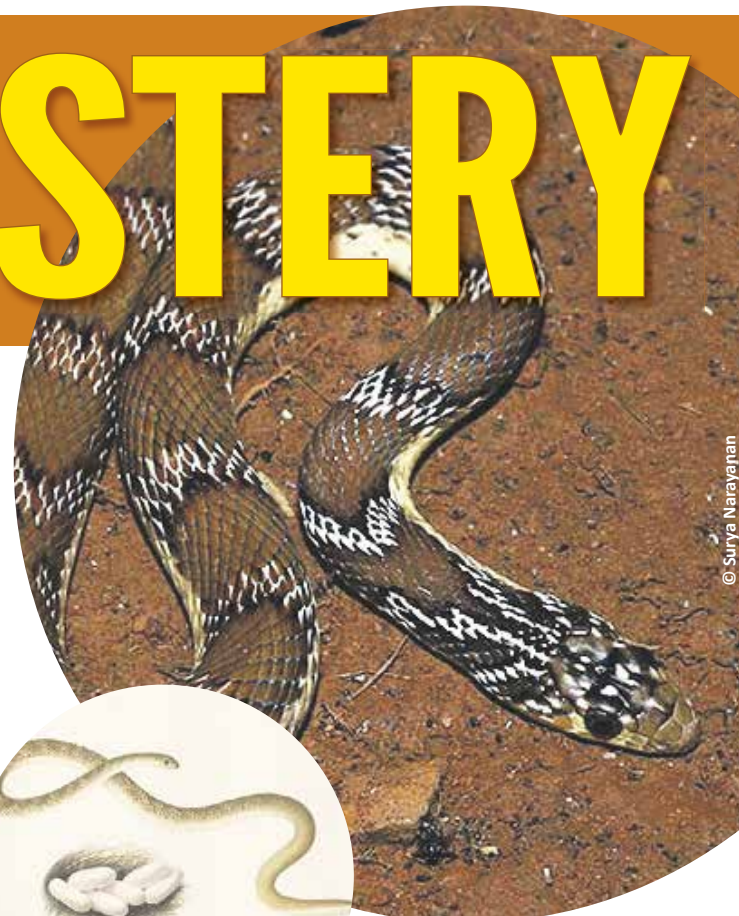
● Tea to end food banks

The Trussell Trust has launched a new campaign, aimed at raising money to help end the need for food banks in the UK. Tea for Trussell is the chance for people to get their friends and family together, enjoy some tea and cake, and play fun games. The official dates for Tea for Trussell are 21 June to 4 July, but people can host their event whenever they want! It can be virtual or in person, too. Did you know the Trussell Trust runs more than 1,200 food banks across the UK, feeding thousands of people? To find out how you can get involved, check out www.trusselltrust.org.



© 2000 Blackwell Science Ltd

He discovered that a scientist who worked at the Natural History Museum between 1875 and 1895 was the first to confuse the two different species. A series of natural history paintings produced by a Danish zoologist called Theodore Cantor helped Dr Veerappan and his team identify the differences between the snakes. The paintings were very detailed, down to the number of scales on the snake's head, which is one of the ways to tell the species apart. Dr Veerappan says: "This work highlights the importance of clearing up this historical confusion, as researchers now know that the species from Tamil Nadu is different and could face threats to its continued survival. It also shows just how important all aspects of collections held at places such as the museum are."



A detailed illustration of a rhinoceros, shown in profile facing right. It has a large, bulky body, a thick, wrinkled skin, and a prominent horn on its snout. The rhinoceros is standing on four legs. The background is a solid light blue.

PODGY POOCHES



You can join in with your dog every Friday when Beth will be posting a video of a new activity on her social media pages.



SMART PATROL

The guards in Bénoué National Park will be taught to use SMART (Spatial Monitoring And Reporting Tool) software on their mobile phones in order to collect data and monitor the country's Kordofan giraffes, which are critically endangered. It's hoped that smarter patrols will help stop illegal hunting in the area. Just 30 Kordofan giraffes are left in the Bénoué National Park, with only around 2,000 left in the wild across West and Central Africa.

USA



● "Don't kiss chickens"

The US Centers for Disease Control and Prevention (CDC) has called for people to stop "kissing or snuggling" their birds, following an outbreak of salmonella. Salmonella is an infection that can cause fever, diarrhoea, stomach pain and vomiting. So far, the CDC says that 163 people have been ill with the disease in 43 states.

ARGENTINA



● Giant otter spotted!

For the first time since the 1980s, a wild giant otter has been seen in Argentina. Sebastián Di Martino, conservation director at Fundación Rewilding Argentina, spotted the otter hunting in the Bermejo River in Impenetrable National Park. Otters have a really important role in balancing the ecosystem. "For us, the importance of this sighting is that we're reminded that we have to protect more of this gem of biodiversity that is Impenetrable National Park," said Di Martino.

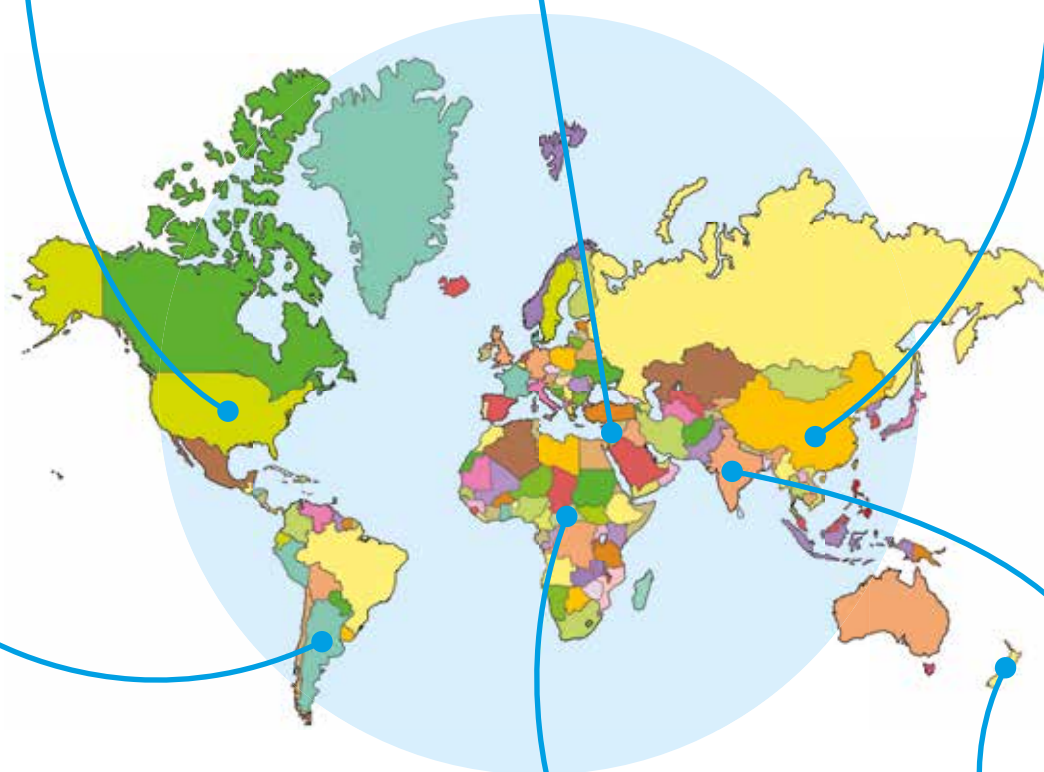


ISRAEL



● Ceasefire agreed

The Israeli government and Palestinian fighters (from a group called Hamas) have agreed to a ceasefire, putting a stop to 11 days of fighting between the two sides. The fighting between Israel and Hamas has left at least 260 people dead, the vast majority of them Palestinians. Both sides have claimed victory in the conflict. In the UK, Foreign Secretary Dominic Raab said that work must be done to make the ceasefire "durable" [lasting], while US president Joe Biden said the ceasefire meant there was a "genuine opportunity" for progress, and pledged aid to Palestinians in Gaza, while also maintaining support for Israel's "right to defend itself". The United Arab Emirates and Egypt have said that they are willing to play a role in peace talks between the two countries. United Nations experts said the International Criminal Court should investigate war crimes committed during the fighting, saying Israel destroyed "six hospitals and nine healthcare centres". Hamas rockets hit homes, schools and nurseries in Israel, killing 12 people.



CHINA



● Drop in divorces

The number of divorces (ending a marriage by law) has fallen by 70% in China, after a 'cooling-off' period was introduced. The new law, introduced last December, meant that couples who want to divorce have to wait 30 days after first putting in their application. Once that time is up, they must apply again to end the marriage. Both the UK and France have a similar law already in place.

INDIA



● Continuing to pay

Tata Steel has said it will support the families of its workers who die of COVID-19. The company will pay salaries and protect the housing and medical benefits of employees who have died up to what would have been their retirement age of 60. India is facing a severe wave of COVID-19 right now. This week India became the third country in the world to record more than 300,000 deaths, behind the US and Brazil.



CENTRAL AFRICAN REPUBLIC



● UN warns of food crisis

The United Nations has warned that 47% of the population in the Central African Republic is facing food insecurity, which means that 2.2 million people do not have easy access to food. Of them, 1.6 million people are in a "crisis situation", meaning they skip meals entirely or sell things they own for food. One tenth of the population (630,000) are in an "emergency situation", which is when they may be forced to sell their last animal or take their children out of school. Conflict in the region has meant that vital supplies aren't making it into the country, and the COVID-19 pandemic has meant that food prices have risen.



NEW ZEALAND



● New governor

For the first time, New Zealand has chosen a Māori woman, Dame Cindy Kiro, to take on the role of governor-general, the Queen's representative in the country. In New Zealand, a Commonwealth country, Britain's Queen is still the nation's head of state, although the royal family doesn't have any real power in its running.



DOGS DETECT COVID BETTER THAN TESTS



DOGS are better at detecting COVID-19 in humans than the most commonly used tests.

That's what a study from France has shown. Scientists there studied how sniffer dogs compared to lateral flow tests (LFTs), which offer results within half an hour and are being widely used in homes, workplaces and schools.

The original COVID-19 tests are called PCR (which stands for polymerase chain reaction). They are more accurate than LFTs but take longer to process because they are sent to a lab.

Several studies are underway around the world to work out how reliable "COVID sniffer dogs" could be. The French trial has reported its results and they're astonishingly good: dogs were able to detect the virus with 97% accuracy, and could detect negative samples 91% of the time.

That's much higher than a study of LFTs found earlier this year. That review, which looked at 64 other studies, said that LFTs correctly spot 72% of people who are infected with the virus and have symptoms. But in those with no symptoms, only 58% are picked up by LFTs.

Researchers in the French trial placed cotton pads under the armpits of 335 people aged between six and 76 who had gone for a coronavirus test at PCR testing centres in Paris. They took these sweat samples and sealed them in jars, then got the dogs to sniff the jars. The dogs' handlers did not know which samples were positive and the dogs had not met any of the volunteers in the trial.

The dogs detected 97% of the 109 people whose test later

turned out to be positive, and 91% of those whose test was later shown to be negative.

Professor Jean-Marc Tréluyer, from Paris's Necker-Cochin hospital, said: "These are excellent results, comparable with those of a PCR test. [Dogs] could help identify those people who should undergo a full viral test and – because the dogs' response is so quick – facilitate [help] mass testing."

Dogs could also be used in locations such as airports, train stations and even schools to help identify people who are carrying the virus.

A separate study in the UK also had promising results: dogs were trained to detect coronavirus in body odour, and they spotted 88% of cases (but also wrongly identified 16% of people without COVID as having the virus).

In other COVID-19 news, sewage is being examined across the UK in order to find cases of the so-called Indian variant. COVID-19 appears in the poo of some infected people, so scientists can spot it in wastewater. Analysis of sewage has led to at least six places being identified as having cases of the variant, whose official name is B.1.617.2.



Sammy, a COVID sniffer dog being trained in Belgium

ANYONE FOR A THIRD THUMB?



SCIENTISTS have tested how the brain adapts when a robotic prosthetic 'third thumb' is added to the hand.

The Third Thumb was built by designer Dani Clode, as part of her graduate project at the Royal College of Art in London.

She then worked with researchers at University College London's (UCL) Institute of Cognitive Neuroscience to find out how the human brain reacts, and if it could properly support an extra body part.

The extra thumb is 3D-printed and worn on the side of the hand opposite the user's actual thumb, close to the little finger. It's controlled with pressure sensors attached to the user's feet, which detect tiny movements. These sensors then wirelessly send the movements to a device worn on the wrist.

For the study, 20 participants were trained to use the Third Thumb over five days. Researchers found that users quickly learned how to control the device. After some training, the participants could even use the thumb while distracted – they managed to build a wooden block tower while blindfolded!

The research team say that their study helps us to understand how adding things to our body affects how our brains can adapt.

SUPERSONIC PLANE SET FOR TAKE-OFF

SUPERSONIC air travel could return – with four-hour flights costing passengers just \$100 (£70).

That's what American company Boom Supersonic plans. It wants to launch a commercial airliner called Overture, which would travel faster than the speed of sound, by 2026. It would have up to 88 seats, and a journey from New York to London would take just three hours and 15 minutes (currently it takes around seven hours). The supersonic journey between Los Angeles and Sydney would be cut down from around 14 hours to 8.5.

The first supersonic commercial jet, Concorde, was developed by the British and French governments in the 1960s and '70s. Its last flight was in 2003.



SCIENCE
MUSEUM
GROUP

This report is from the National Science and Media Museum in Bradford

WE'RE pros at snapping selfies now, but in the early days of photography, getting your photo taken would often mean a visit to a professional studio.

Portraits were captured using glass plate cameras and natural daylight. The Belle Vue Studio in Bradford continued using this traditional method until the 1970s. The photos taken there form a unique record of a British industrial city in a time of great change.

In the 1940s and '50s, many people came from around the world to live and work in Bradford. The Belle Vue Studio became a safe space for new arrivals to the city and was well known for welcoming customers from different cultures, with thousands of residents having their photo taken there, including the nurse in the picture above.

You can learn more at the National Science and Media Museum in Bradford.



Bradford Museums & Galleries

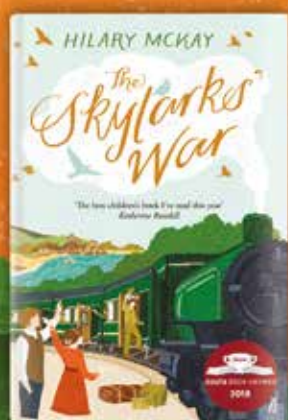
The companion novel to
Hilary McKay's Costa Award-winning

The Skylarks' War

A moving WWII story of family and friendship on
opposite sides of a devastating conflict



‘Will there really
be a war?’ asked Ruby,
all fired up with
the thought, and her
mother replied,
‘We’ve fought wars
over less.’



‘A triumph. The beautiful clarity of her
storytelling is masterful...I admire it very much.’

PHILIP PULLMAN

Available now from bookshops • £12.99


MACMILLAN
Children's Books

Artwork © Dawn Cooper

First News has teamed up with **sky kids** show **FYI** and the **young audiences CONTENT FUND** to make programmes and videos about the news, which you can watch on **First News Education TV**. And, we launch the **FYI News Club**! See below...

BEATING BULLYING

THE Government is planning to bring in a new law – the Online Safety Bill – to tackle fake news online and other harmful content, such as racist abuse and bullying. Watch our “I Don’t Get It” explainer film about bullying at first.news/EduTVIDGI

HAVE you ever been bullied? If so, you’re not the only one. In fact, three out of five of us have been bullied at some point.

• So what exactly is bullying?

There are actually a lot of different types of bullying: calling us names, spreading rumours, purposely excluding us from groups, stealing our stuff, threatening us or even hurting us.

And it can happen anywhere: on the bus on the way to school, in the corridor next to your locker or when you’re using social media sites and messaging apps.

• But how do you know the difference between banter and bullying?

Mental health ambassador Katie Thistleton says: “Well, it’s hard, isn’t it, because we all like a bit of banter. It’s good to have a sense of humour and you don’t want to seem like the one in

the group that doesn’t like a laugh. But nowadays I think we use the word banter a lot when actually some of the things people are saying can be quite hurtful. So, if you find that somebody’s words are upsetting you and getting you down, that’s not banter, it’s bullying. And that’s when you’ve got to do something about it. And it’s also important to remember that banter should never be about somebody’s race, someone’s appearance, their sexuality or their disability. So many people get bullied – I was. It doesn’t matter what you look like, what clothes you wear, how you talk – we’re all really different, but that’s what makes us really special and amazing. Be proud of who you are.”



• Why do bullies do it?

Katie says: “There can be lots of reasons. Perhaps the bully is trying to appear tough and cool in front of their mates, or maybe they’ve been picked on themselves and are feeling quite insecure, or angry, so it can be a way of expressing themselves and lashing out.”

• Why is bullying on the increase?

“One of the main reasons are mobile phones,” says Katie. “And, if messages are repeatedly abusive, then it’s called cyber-bullying, and it can be just as upsetting as actually being picked on.”

• What should you do if you’re bullied?

If someone’s sending nasty messages

over a social media site, take some screenshots or screen recordings so you’ve got a record of it, and you can probably just block them. But, if they still find a way to keep on bullying you, then you should tell an adult you trust.

Katie says: “It is always a good idea to try to talk to a trusted adult like a parent or a teacher but, if you feel like you can’t do that, there are helplines as well that you can call. Childline, for example, has a free phone number that you can ring any time of the day or night – it’s **0800 11 11** – and you don’t even have to give your name if you don’t want to.”

Find out more about bullying on **FYI episode 123** at first.news/EducationTV and check out helplines at first.news/FYI if you, or someone you know, is affected.



WE’VE launched the FYI News Club! Why not set one up at your school?

First News works alongside Sky News and Sky Kids to help create **FYI: For Your Info**, the award-winning weekly 15-minute news magazine show. Each week, FYI investigates the big issues young people need to know about. There are reports from around the globe, explainers, debates, Fake News or Fact?, “Kidversations” between young people around the world, and in-depth reporting. The FYI team also get big-name interviews, from world leaders to pop and film stars.

In your school’s FYI News Club, you can watch the show and talk about what you’ve found out, with your friends and schoolmates. The topics up for discussion will range from fascinating to serious and sometimes a little silly.

To help with this, each week First News is creating a weekly FYI News Club



Fake News or Fact? being debated in class

Chat resource with lots of questions and ideas to get you thinking and talking about what you’ve watched in the show. These can be downloaded from first.news/EducationTV.

We will also be creating regular fun news quizzes for your News Club so you can test your topical knowledge! And, we’ll be asking for your ideas about what you want the FYI team to investigate.



Ask your teacher to go to first.news/EducationTV to find out more about the FYI News Clubs.



First News Education TV is our free video platform for schools and families. First News subscribing schools can also download accompanying resources for the classroom. Go to first.news/EducationTV to find out more!

14. ENTERTAINMENT

THIS WEEK

1 Capital Breakfast presenters Roman Kemp, Sonny Jay and Siân Welby faced an unusual challenge this week – counting all the penguins in the penguin enclosure at ZSL London Zoo. They were set the task by Little Mix as part of Roman's Monopoly Mission challenge, in aid of Global's charity, Make Some Noise.



Global



Warner Bros.

2 The long-awaited *Friends* reunion finally aired yesterday (27 May). UK fans can watch the show via Sky On Demand or Now TV. The special show reunites the six main cast members for the first time in 17 years.

3 Disney Theatrical Productions is offering schools across the UK online access to watch the filmed stage version of *Newsies: The Broadway Musical*. From 14 June – 23 July, schools will be able to access the show and some fun and educational resources that go with it, including a video teaching students a dance routine from the show. You can find out more and get your school to sign up at disneytheatricaleducation.co.uk.



Deen van Meer

PICS OF THE WEEK



Sky Cinema

RIVERDANCE, the famous musical set to traditional Irish music, has been turned into an animated film!

Launching on Sky Cinema on 28 May, join Keegan and Moya on a magical journey to the mythical world of the Megaloceros Giganteus, where they learn how to celebrate life through the magic of dance. You won't be able to stop your feet from tapping!

Riverdance: The Animated Adventure comes to Sky Cinema on 28 May.



Sky Cinema

WRITE A HALF-TERM ADVENTURE!

WE all love a great story, don't we? Whether it's delivered through a book, know amazing characters and embarking on unforgettable adventures. So own adventure story... in just a week? Join *Vampirates* author Justin Somper.

Maybe you already love writing and creating stories at home or school. Or maybe, as much as you like the idea of this, you don't feel like you have the confidence or know-how? I'm delighted to be joining forces with *First News* to help you put together your very own Vampirate adventure and I'm going to show you how to do it in just seven easy steps. Why not tackle one step each day?

You can put together your finished story however you like... it could be written in book form, it might be a graphic novel, you could even write it as a script for TV or a movie. So let's get started...

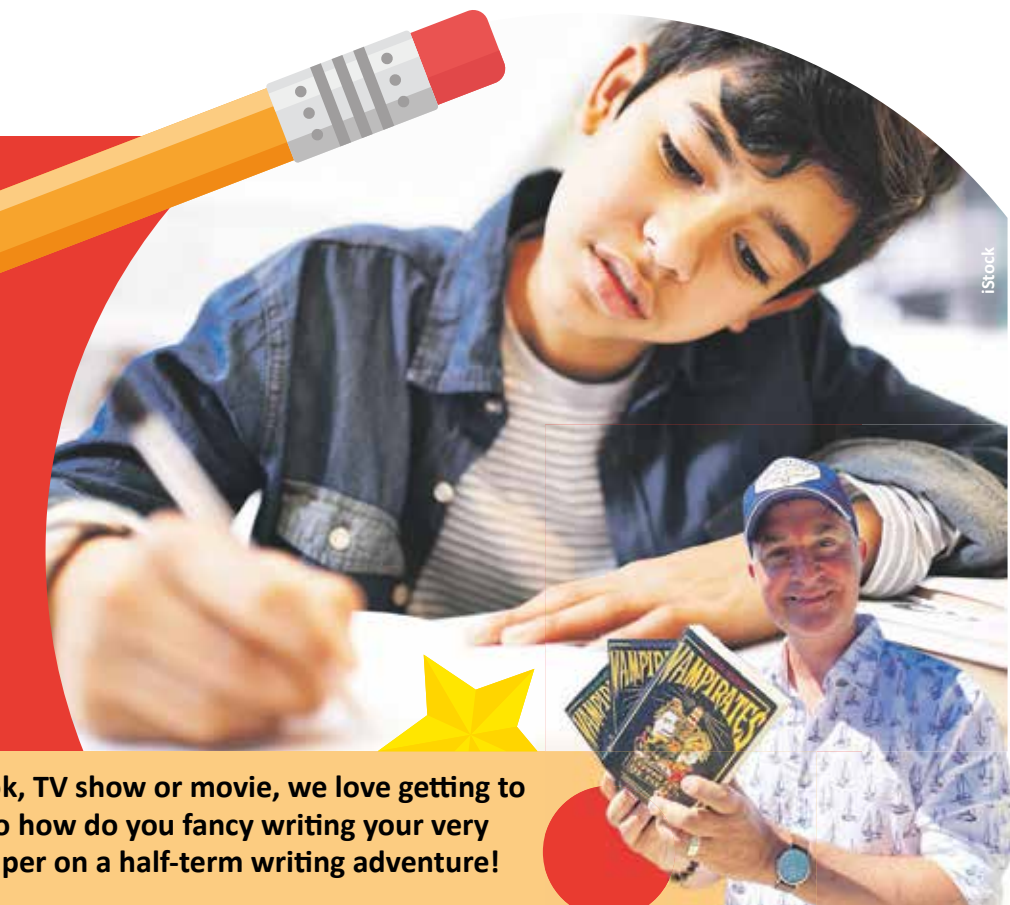
1. Let's start by imagining a pirate ship. What are you going to name this ship? Pirate ships often have quite threatening names, for example, The Poisonous Octopus. Maybe you fancy drawing this ship and/or its flag or even creating a cross-section of the ship so we can see into each of its cabins?

2. Who is the captain of your ship? Are they a really over-the-top character who commands their crew with charisma [charm] and flamboyance [being showy and dramatic]? Or do they have a quieter kind of authority? What is your captain's name? Is there anything unusual about the way they look or dress? Again, you might be tempted to illustrate this character.

3. The next character I'd like you to create is a Vampirate. That's a pirate who is also a vampire – or a vampire who is also a pirate! Think about what place and time period they originally came from, remembering that Vampirates are immortal so they cannot (straightforwardly) die. Give them an intriguing name and think about their appearance – and how much of a clue their clothes might give to their origins.

4. Now, we want to get your Vampirate on board the pirate ship – to carry out a secret mission. Let's imagine your pirate captain is expanding the crew and your Vampirate goes in for a job interview. Is your Vampirate going to need to disguise themselves? Think about three questions the pirate captain might ask in their interview and how your Vampirate will answer them!

Justin has recorded a series of video challenges exclusively for *First News* this term. Check out first.news/vampirates every day this week for your new The *Vampirates* series by Justin Somper is out now in paperback.



k, TV show or movie, we love getting to
o how do you fancy writing your very
per on a half-term writing adventure!

5. Hurrah! Your Vampire has been hired for the pirate crew – but none of his/her new crew-mates knows they are a vampire pirate.

How is your Vampire going to deal with their hunger for blood? Have they brought a handy – temperature controlled – flask with them? Or are they simply planning to attack another member of the crew each time they are “thirsty”? Can you think of a cunning solution? Also, they’re only likely to be active outdoors at night... how will they explain this? Will they always take the night shift or just pretend they are seasick during the day to remain below deck? Answering these questions will help determine how effective – or not – your Vampire spy is likely to be! And these scenes might help you create some comic moments, which I always think work super well within an adventure story.

6. Let’s get down to business! The sole reason your Vampire has come on board the pirate ship is to take over its command. It’s now time for them to make their move. But how do you want this to happen? Are they going to make their way into the pirate captain’s cabin for a one-to-one showdown in the dead of night? Or, are they going to find a way to smuggle more of their own crew on board and stage a much bigger attack on the pirate ship? Think really atmospheric here – as if you are directing a major Hollywood movie! What would be most exciting to you?

7. Now we come to a really big decision for you as the author of this story... who is going to win this battle? Will it be the pirates, who successfully repel the threat and find a way to expel the Vampire from their ship? Or is the Vampire going to be successful in their takeover – and the ship will have a whole new crew as it sails off into the night? What, for you, would be the most satisfying, spine-tingling ending?

Good luck with putting your story together. It can be as long or short as you want. You might choose simply to write one key scene or draw the two main characters. The most important part is to have fun! If you enjoy writing/creating/illustrating it, you can bet your readers will too.

If you’ve enjoyed this step-by-step approach to building a story, you can find more fun story starters on my website – vampirates.co.uk/videos.



this half
video!



OTI MABUSE

THE dancer told us about *The Masked Dancer*, the exciting follow-up to *The Masked Singer*. Which celebs will be dancing behind the mask?

● Tell us about *The Masked Dancer*...

It’s an amazing guessing show that’s fun and, for me, it’s just an honour and a privilege to get to do it with such incredible people like Jonathan, Davina, Mo and Joel. We are constantly laughing! I love that we get to see a different side of dancing. Dancing is fun, but we’re adding another element where you have to guess who it is. That’s something that we can all do at home, and to do it nationally with a dancing show is very refreshing and I love that. I thought I would be okay at it but I am so terrible at it. Oh my gosh! It’s actually hurting me a little bit because I was like: “Oh I’ve got this, I probably know them and they’ve all done some show that I work on”, but it’s hard, it’s really, really difficult.

● What are you looking for in the performances?

I’m looking for the clues. I’m not looking for high kicks and legs and splits, I’m looking for the clues. I’m looking to find out whether I can guess who the person is, and the nice thing about this is that everything is a surprise. If one of the characters is coming out as a beetroot, you are never going to expect in a million years that someone can dance in a beetroot suit and yet they are coming out and doing the most incredible things. I’m not looking for anything particular, but just enjoying the show, and every time the characters exceed my expectations and get better from show to show. Whether it’s their dancing skills, their dancing styles, their choice of music, it’s all so important because the songs that they dance to mean something to them. When you get to relate to them and get to know them that way and they are dressed as they are, it’s just bonkers and I love it.

● Have you been impressed by the dance moves?

Yes. My mind has been blown. You just don’t expect that level of dance, so it’s really hard to guess who these people are because they are known for other things, not just their dancing skills. You don’t expect to see a car wash doing backflips in a huge costume. It’s crazy but it happens. And I know you guys don’t know what I am talking about, but trust me you will be like: “How can they do that?”

● If you were a contestant, would you want to be a masked singer or a masked dancer?

A masked dancer, all the way! I’m always singing, though, and Mo’s like: “You should do *The Masked Singer*,” but I said: “If I do *The Masked Singer* you’ll guess me, because I’m always singing in your ear.”



The Masked Dancer starts on 29 May on ITV at 7pm

DESIGN A COIN THAT STARTS EVERY GAME WITH RESPECT

NATIONWIDE Building Society and The Football Association (FA) have launched a new initiative to promote mutual respect on and off the pitch, with a national competition to design the first ever Coin For Respect.

The coin toss is a symbol of fair chance at the start of every game, but until now, no official coin has ever existed.

The **Coin For Respect campaign** is part of Nationwide's pledge to ensure 1m players, parents and coaches get involved with the FA Respect campaign by 2023.

The creative challenge is calling on

3 to 17-year-olds across the UK to design a unique coin that will become a symbol of mutual respect at the start of each grassroots game.

One side of the Mutual Respect Coin will hold the Nationwide Building

Society and FA Respect logo. The other side of the coin will feature the winning design, showing what mutual respect means to you.

HOW TO ENTER

Head to the website (address below) to download the Coin For Respect template. Then create your fantastic design around what respect means to you. Email your entry to CoinForRespect@nationwide.co.uk.

Don't forget to attach your design template along with your name and age.



RESPECT



Building society with mutual respect

WHAT YOU CAN WIN

THE winning design will be featured on over 20,000 coins and used across the country.

The winner will also receive their coin and two tickets to an England game at Wembley Stadium connected by EE. Will it be the Lions or Lionesses? It's up to you!

Shortlisted entrants will receive a tour of Wembley Stadium connected by EE, for themselves and a parent or guardian.

Terms and conditions: This free-to-enter competition is open to children and young people who are UK residents aged 3 to 17 years old. You will need a parent or guardian to help you submit your entry form if you're under the age of 14. Full terms and conditions can be found at nationwide.co.uk



**ENTER BY
20 JUNE!**



To download your template and enter the competition, head to:

nationwide.co.uk/mutual-respect/coin-for-respect

PUPPY LOVE

EMMA Stone plays the iconic Disney villain Cruella de Vil in the new movie, *Cruella*. Adam Tanswell got the inside scoop from the American star...



● **What can audiences expect from *Cruella*?**

This is a very fast-paced and very fun movie! It's filled with music and great dogs that are very expressive. I hope it's a real blast for people.

● **How did you become involved with the project?**

I met with the folks at Disney. They were playing around with the idea of an origin story of Cruella de Vil and wanted to know if I would be interested. It's been fantastic!



● **How does it feel to play an iconic Disney villain like this?**

It's fun to see the origin of Cruella, and we've had fun exploring what makes a villain. It's been fun to explore how people can be affected by the events that have happened in their lives. How they can choose to crumble underneath the weight of something or rise up above it – but maybe not always take it to the best place.

● **How would you describe your character in the movie?**

She's so much fun because she's full of vim and vigour [energy and enthusiasm]. She's feisty and smart – and she's a con artist. She definitely has a lot of personality, which I love.



● **There were 101 Dalmatians in the original film. Are you a fan of pooches?**

Oh, I do love dogs. I absolutely love them! Who doesn't?

● **How did it feel to put on Cruella's crazy costumes for the very first time?**

To first see the entire look of Cruella together, I have to admit I took a lot of pictures of myself. I don't have social media, but I would imagine that when you do and you want to take pictures of yourself, that was my day as Cruella.

● **How exciting was it to get into character with a new look like this?**

It was so cool. It was so cool to see people that

talented bring her to life in that way. I just sat there and had all this hair and make-up done. I felt very lucky.

● **What are your favourite costumes in the movie?**

My favourite piece of clothing that they created was the coat at the very end of the movie. The coat in the very last scene is stunning. I love the garbage dress, too. Putting it on was mind-blowing. There's a 40-foot train!

● **In the movie, not everything goes your way. What do you do when you have a bad day?**

I call somebody. If I can talk it out with somebody, that always helps. I pretty much can't keep anything in, so I have to say it or show it – but it usually does help me to talk it out.

● **You're an Oscar-winning actor, but did you dream about this when you were little?**

As a kid, I think they were less dreams and more fantasies. The dream was to get to act, but the other lovely things that can come along with that are more fantasies. It has been incredibly wonderful, but inside you still have the same insecurities [lack of confidence] to battle with and the same growing to do.

● **If you could turn back time, what advice would you give your younger self?**

I don't think I'd give myself any advice, because this is how life is supposed to be. People are meant to learn by their experiences and it's pretty hard to tell a young person: "You don't understand this," or: "One day, you are going to wish that you made this decision." Kids are like: "Shut up! I am going to do whatever I want." To be honest, I doubt I would have listened to me!

Catch *Cruella* on Disney+ and in cinemas from 28 May.



CHARITIES SUPPORTED BY FIRST NEWS



THE 15 MOST VALUABLE INVENTIONS OF THE LAST 150 YEARS

IET The Institution of Engineering and Technology

THIS year, the Institution of Engineering and Technology (IET) is celebrating its 150th anniversary.

As part of its celebrations, the IET has named the 15 most valuable inventions of the last 150 years. Voted for by a respected panel of IET members, the list highlights the incredible impact that science and technology have on everyday life; from store cupboards to travel, healthcare to communication.

You'll notice that some of the chosen inventions were important steps in developing other everyday inventions. It's fascinating to think how the technology we now take for granted today could be fundamental in developing the technology of tomorrow.

TELEPHONES

The development of the telephone is arguably the most important communication invention of all time.



A man uses an early telephone around 1915

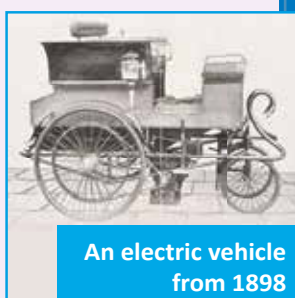
The first phone call was in 1876 and more than a century later, the first mobile phone to be commercially available appeared, in 1983.

The Motorola DynaTAC 8000X (left) took ten hours to charge for 30mins of talk time. It's a world away from today's smartphones, which are basically pocket computers.



CARS

The 1880s were truly pioneering times. The first gas-powered car arrived in 1886, but here's something amazing – the first electric car was created more than 125 years ago!



An electric vehicle from 1898

Although the push for more eco-friendly electric vehicles feels very modern, they were already around in the 1890s. But they broke down a lot and were very expensive to run, so they didn't last long.

Currently, Tesla is the biggest company making electric cars. In fact, Tesla founder Elon Musk is one of the richest people in the world.

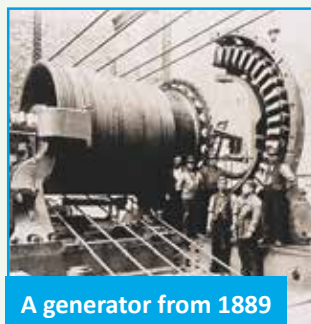
Of course, cars look very different today compared to the cabs from Victorian times. Regardless, there's no denying that cars revolutionised transport for the masses and it's hard to imagine living in a world without them.



A car at a charging station

AC POWER GENERATION

The 1880s and 1890s were an important time for electric power. Two types of power were in competition – AC (alternating current) and DC (direct current).



A generator from 1889

AC power became the more dominant form of power and today, it is used in most homes and businesses. AC is the power that is delivered to your home through electricity pylons. It powers everything from your

TV and light bulbs to your fridge and toaster.

Although it's not as popular, DC is still used today too, most commonly in batteries that power things like mobile phones.



An electricity pylon

REFRIGERATORS

Home refrigeration made fresh food accessible to millions. Electrolux created the first mass-market fridge for the home in the 1930s. However, it wasn't until the 1950s that fridges became affordable for many in the UK.

MEASUREMENT

SI units are the standard ways we measure things. SI units include kilograms (kg) for measuring mass and metres (m) for measuring distance.

SI units are used in most countries. They allow researchers across the world to easily work together. This was never more essential than in the last year when COVID-19 vaccines were being developed globally.

CANNED FOOD

Canned food has existed in some form since around 1810, but it wasn't until the late 1800s when canning began to be perfected. In 1888, Max Ams invented a way of sealing cans that made them airtight. It proved so effective, it is still commonly used today.

Over the following decades, canning factories became more common. The demand for canned food skyrocketed during the First World War (1914-1918). As cans keep food fresh for a long time, it was a good way to supply food to soldiers.

In today's factories, a lot of the canning process is done by machines and hundreds of cans can be sealed every minute.



AVIATION

Aviation is the development of aircraft like aeroplanes and helicopters. Aviation made the world accessible to millions of people.

In 1903, the Wright Flyer (right) became the first powered and controlled aircraft. During the first tests, it travelled a distance of 260m.

Fast forward to today and it's not uncommon for people to use aeroplanes for business or to go on holidays.

The largest commercial aeroplane is the Airbus A380. It can hold up to 853 passengers on two levels and travel 15,200km.



The Wright Flyer



The Airbus A380

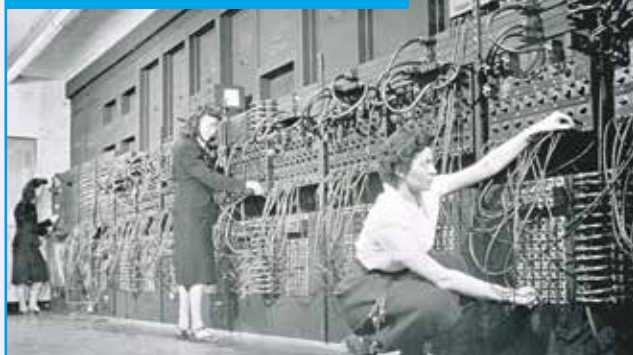
COMPUTERS

Did you know that the first computers were people? It was a job title for people who computed (worked out) complicated maths problems.

That all changed in the 1940s with the arrival of the ABC and ENIAC digital computers. These machines were enormous and weighed more than several elephants.

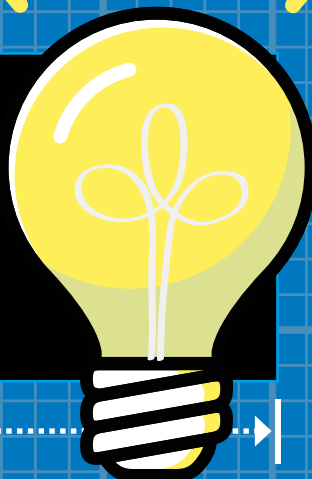
It's a far cry from today's computers, where a laptop can be as thin as a couple of centimetres.

As you can see, the ENIAC was huge (and that's only part of it!)



ELECTRIC LIGHT BULB

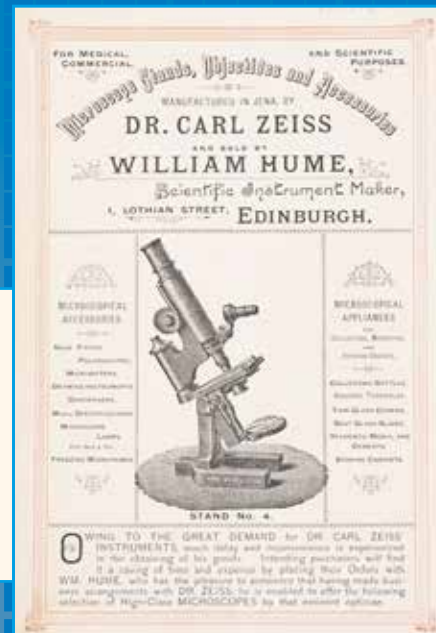
Literally lighting up our lives since 1879, the electric light bulb has made our days longer, streets safer and even enabled the early development of the TV!



MICROSCOPES

Microscopes have been around since 1590, but quality microscopes rely on good lenses. It wasn't until the mid-to-late 1800s that glass lenses were drastically improved, meaning people could zoom further into things without losing the details.

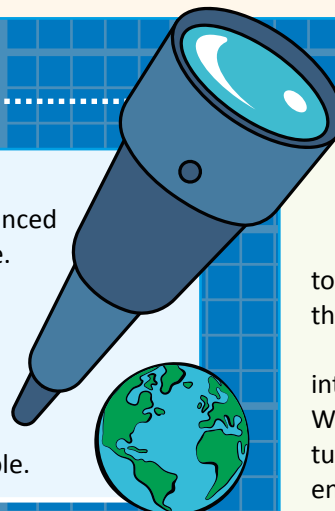
Around this time, a company run by Carl Zeiss was important in making microscopes in bigger numbers. More microscopes meant more people could discover things.



TELESCOPES

With the invention of powerful modern telescopes, we have advanced our understanding of the universe. Telescopes allow us to magnify something so much that we can see other planets from Earth.

Without telescope technology, things like Google Maps or satnavs in cars wouldn't be possible.



TRIODE VALVES

In the early 1900s, triode valves were invented. They are a type of empty tube with wires inside, and look a lot like a light bulb. The triode was able to boost weak electrical signals, making it a crucial invention for the development of radio. For 50 years, the valves were used in radios and TVs before newer technology overtook it.

Triode valves were an important stepping stone in the development of global wireless networks, technology which made things like Wi-Fi and Bluetooth possible.



X-RAYS

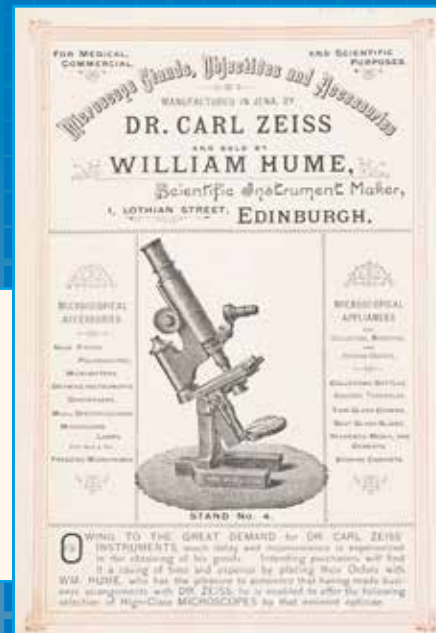
Discovered in 1895, X-rays allow you to see inside things, including people.

From finding broken bones to detecting cancer, it remains one of the most important medical tools in the world.



FIBRE OPTIC COMMUNICATION

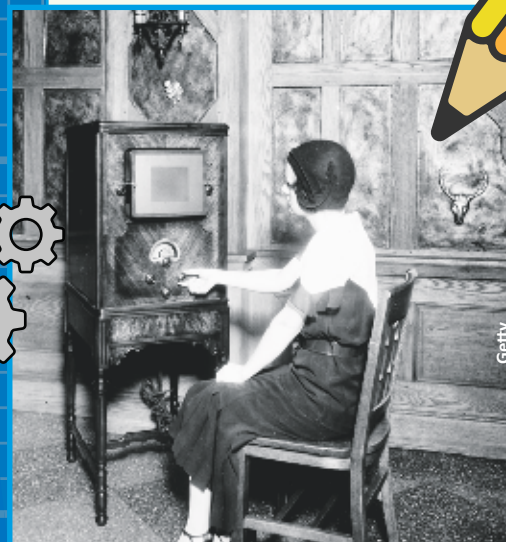
The first fibre optic cable was invented in 1952. Each cable contains thin strands of glass fibres with the ability to send enormous amounts of data. Fibre optic cables revolutionised the way we are able to use the internet.



RADIO

Radio was shown to be possible toward the end of the 1800s, but it was the next century when it really grew.

Radio communication played an integral role during the two World Wars. Radio broadcasting, where you tune into radio stations for news and entertainment, began in the 1920s. It became the first electronic mass medium, decades before television.



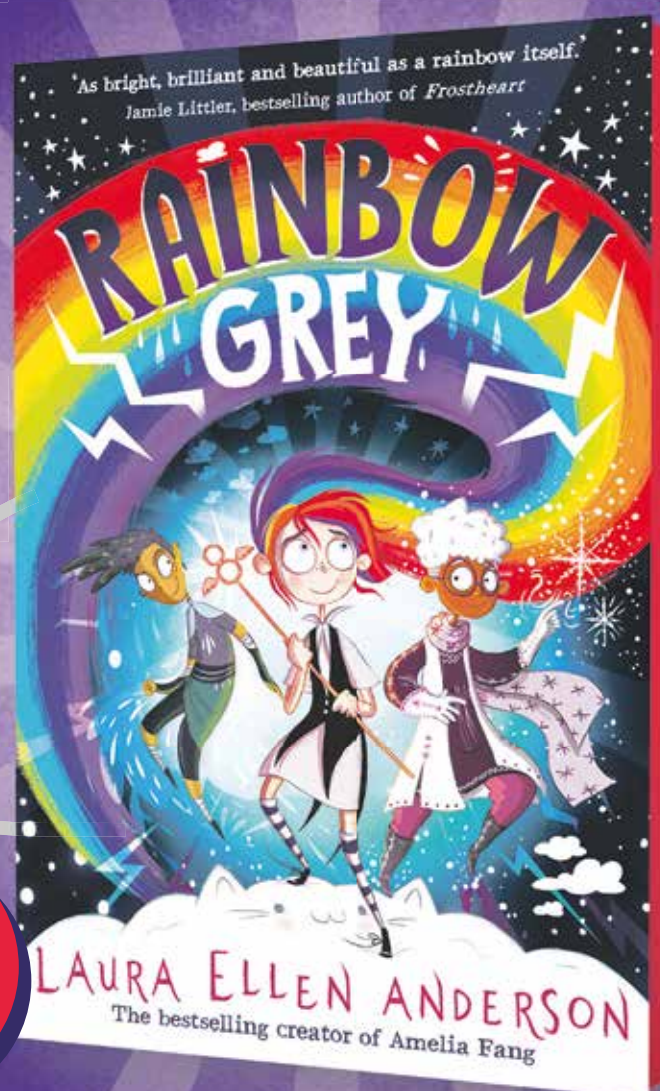
A woman uses a cabinet radio in 1923

JOURNEY to the magical Weatherlands in the brand-new series from the creator of **AMELIA FANG**.

Ray Grey and her cloud cat Nim have got tangled in Cloud Nine's silver lining. Find the correct lining to lead them out of the tangle and help them get to the Eclipse Festival on time.



OUT NOW!



Text and illustrations © 2021 Laura Ellen Anderson
ANSWER: Line C

WIN! A Marvin's Magic BUNDLE



MARVIN'S Magic is recognised as the brand leader and number one for magic worldwide. It is proud to have won many accolades, has the best-selling magic sets and largest following of young magicians anywhere!

Magic is normally based on dexterity, skill and many years of practice, but with Marvin's Magic, budding magicians can perform similar sensational effects in no time. It's professional magic made easy.

Marvin's Magic has created their biggest and best magic set ever, and eight lucky winners will be able to entertain and impress their family and friends with Marvin's Ultimate Magic Tricks & Illusions.

This amazing magic set features 365 incredible card tricks, mind-reading stunts, amazing illusions and impressive stunts for any aspiring magician to learn, perform and entertain. A trick for every day of the year!

To be in with a chance of winning, just answer this question:

Which of these is a famous magician?

a) Charles Copperfield b) David Copperfield c) Paul Copperfield

For more fun and magic, visit www.marvinmagic.com

ENTER NOW! MARK YOUR ENTRY MAGIC

firstnews.co.uk/competitions or see page 23. The closing date is 10 June 2021.

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A FRENCHMAN has been experimenting with an unusual way to make soap – using snail slime!

Damien Desrocher keeps thousands of snails in his back garden and uses their slime bubbles in his bath products. The 28-year-old explained that he has to gently tickle the snails to extract the fluid, but says that none of the

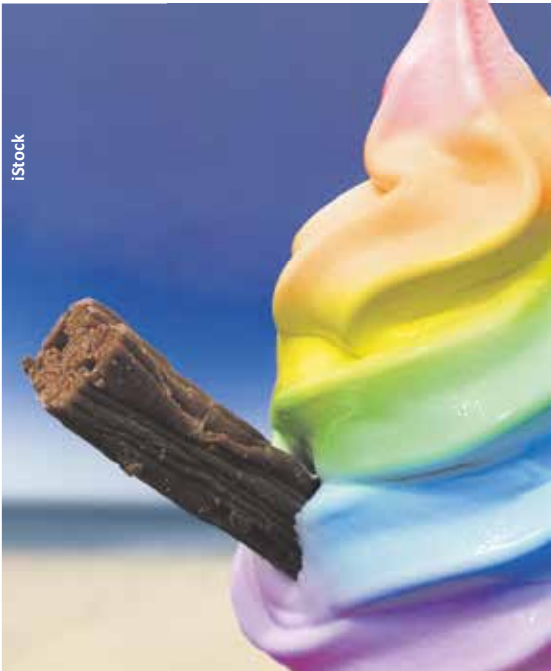
creatures are hurt in the process. The slime is claimed to have anti-ageing and skin-healing properties that are good for human skin. Damien has been selling his soap bars at local markets.



A MAN has set a new record by riding a rollercoaster at Alton Towers 64 times.

Sean Evans completed the feat in six hours, despite suffering from a condition called vertigo, which makes it feel as though everything around you is spinning. Sean, from Stoke-on-Trent, described his time on the 3.5G-force Nemesis ride as “fun but very intense”.

FLAKE SHORTAGE!



BAD news for ice cream lovers – there’s a shortage of the classic ice cream topper, the 99 Flake!

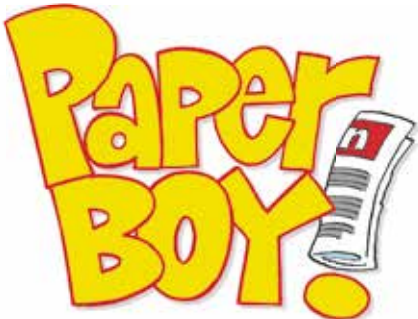
Mondelez, the company that owns Cadbury, has revealed there’s been a big demand for the delicious chocolate treat and it’s now struggling to keep up. The company says it doesn’t know how long the shortage is going to last. The Flakes are normally stuck in 99 ice creams that you might buy at the beach or at the park. Let’s hope the shortage ends soon!

DID YOU KNOW?

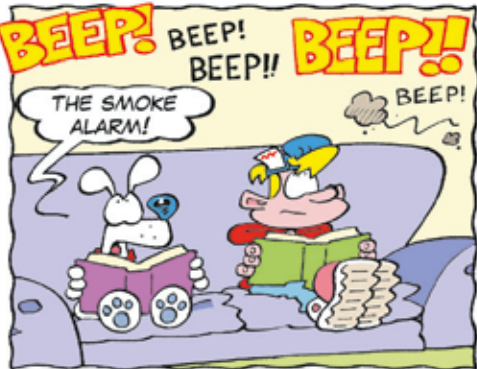
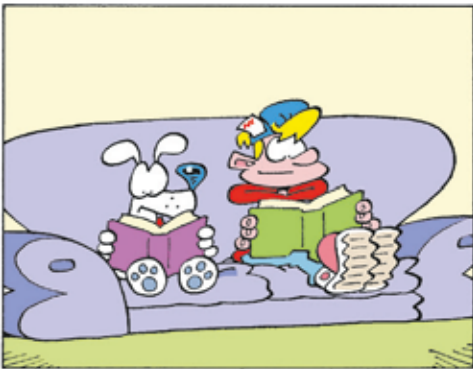


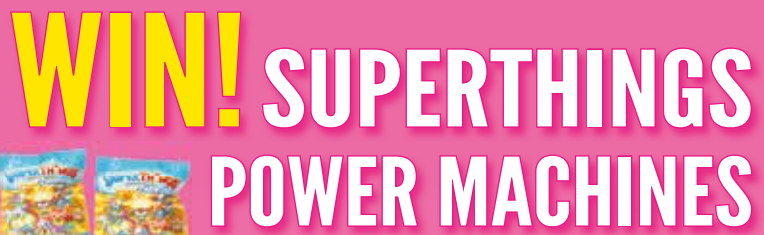
THERE are more than 50 billion birds in the world! The

crazy stat was discovered by researchers at the University of New South Wales in Australia. It was part of a new study that they hope will help with conservation work to protect birds.



Written and illustrated by Paul Palmer



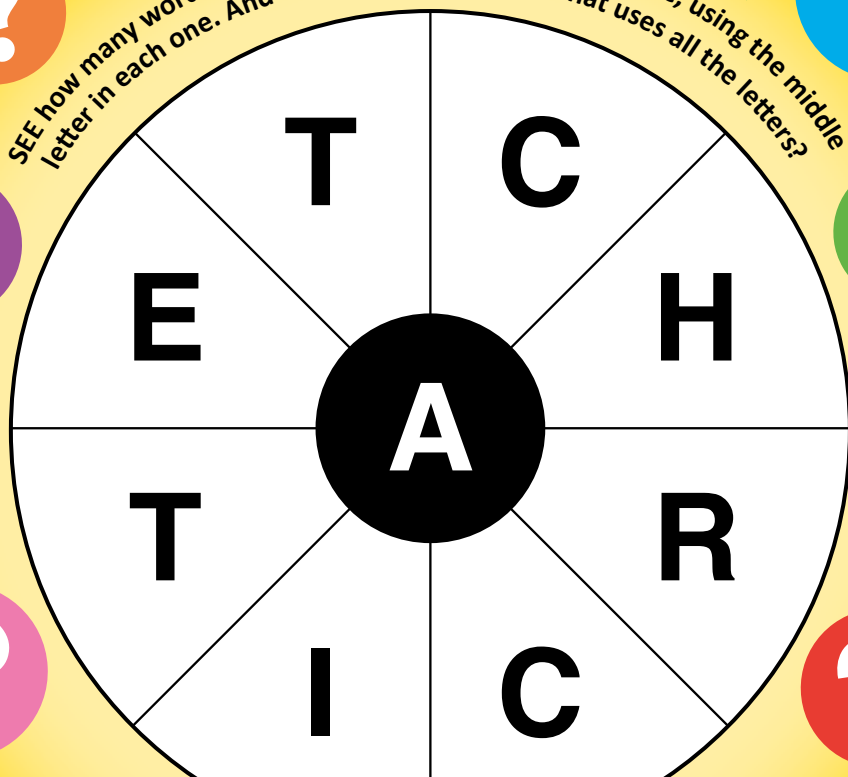


Send in your answers and one lucky winner will win a SuperThings Power Machines bundle, thanks to Magic Box Toys. Collect 80 characters, including a new Ultra Rare glow-in-the-dark character – Dr Volt. Plus there are also Power Jets, Giant Power Bots and Battle Spinners to collect, along with great value packs and the ultimate Battle Arena Playset. Find out more at www.superthings.com.

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

WORD WHEEL

SEE how many words of three or more letters you can make, using the middle letter in each one. And can you find the word that uses all the letters?



WORD LADDER

GOLD

DYES

CROSSWORD

1		2			3		4		5	
6					7					8
9			10			11				
12						13		14		
					15					
16	17						18			
			19							

1 Might; power (8)
6 Grumble (4)
7 On all occasions (6)
9 Entice (5)
11 Escape or avoid (5)
12 Important; serious (5)
13 Sobbed (5)
16 Shout loudly (6)
18 *Finding ____* : film about a clownfish (4)
19 Jewellery for the wrist (8)

1 Occasionally or once in a while (9)
2 Kingdom (5)
3 Aim (4)
4 Nevertheless (7)
5 Cook in hot fat (3)
8 A fast vehicle that travels on water (9)
10 Well-known saying (7)
14 Perfect (5)
15 ___ Watson: famous actress (4)
17 Animal that moos (3)

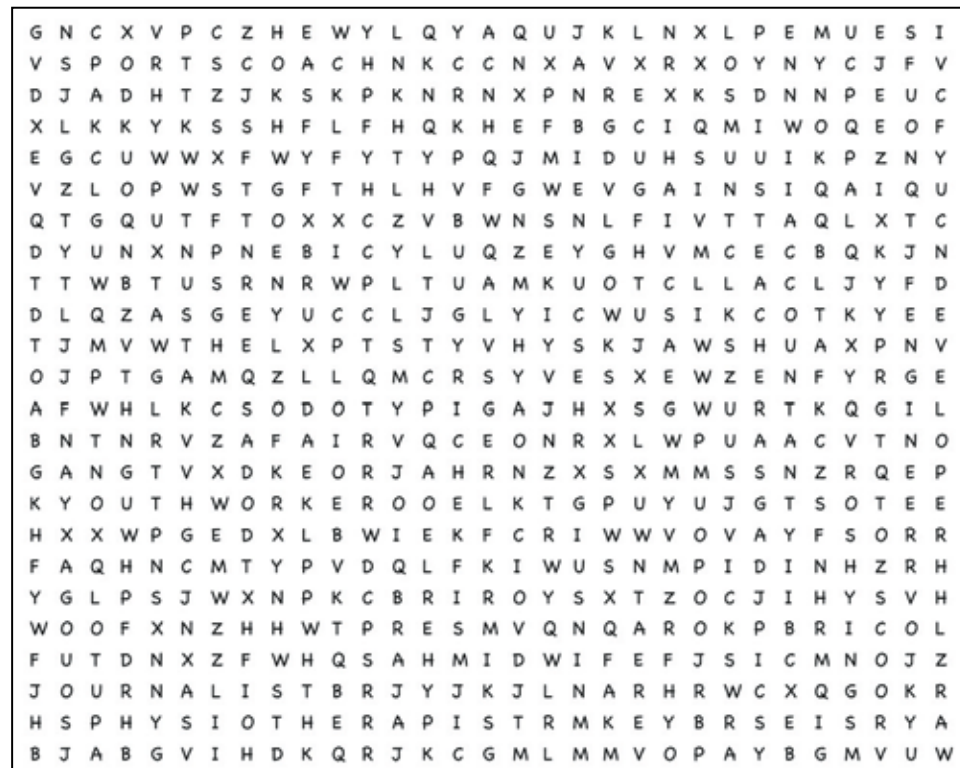
SPOT THE DIFFERENCE

CAN you spot the five changes we've made to this picture from ITV's *The Masked Dancer*?



WORDSEARCH

CAN you find the words in our careers-themed wordsearch?
Remember that the words can be horizontal, vertical or diagonal.



- ☐ Engineer
☐ Midwife
☐ Sports coach
☐ Scientist



- ☐ Accountant
☐ Developer
☐ Architect
☐ Counsellor



- ☐ Journalist
☐ Physiotherapist
☐ Youth worker
☐ Teacher



WIN! FAMILY TICKETS TO

SILVERSTONE
INTERACTIVE MUSEUM

THE Silverstone Interactive Museum has reopened and we are giving away tickets, so you can be in with the chance to win a family visit and learn all about one of the most famous motor racing circuits in the world.



Over 60 hands-on exhibits give you and your family the opportunity to try out a variety of activities – from operating a wind tunnel, taking part in a pit stop or climbing into a replica Grand Prix car. See Lewis Hamilton's race overalls, get close to the fantastic British Grand Prix Trophy or marvel at the size of a modern F1 car.

A thrilling immersive film show – the ultimate lap of Silverstone – brings together some of the circuit's most famous racing moments and is the perfect way to round off your visit.

We have four family tickets (two adults, two children) up for grabs. To be in with a chance of winning, just answer this question:

If it is too dangerous for an F1 race to continue, what colour flag will be shown?
a) white b) blue c) red



ENTER NOW! MARK YOUR ENTRY RACE

firstnews.co.uk/competitions or see below. The closing date is 10 June 2021.

COMPETITIONS: You can enter First News competitions in one of two ways. 1. Go to firstnews.co.uk/competitions and follow the instructions. 2. Email us at win@firstnews.co.uk putting 'competition name' (e.g. Holiday), in the subject box. Please note: First News will not share your personal details with third parties. First News will only use your details to contact the competition winners. First News competitions are only open to those aged 17-and-under and residents of the UK & Republic of Ireland, except employees of First News, First Group Enterprises Ltd, Reach plc and any associated companies and their families. Winners will be the first correct entries drawn after the closing dates. No purchase necessary. No responsibility can be accepted for entries that have been lost or damaged in transit. First News will not enter into any correspondence. All winners will be notified accordingly and their names and location will be available on request. No cash alternative for any prizes will be offered. The winner may be required to partake in media activity relating to the competition.

LAST WEEK'S ANSWERS:

Spot the difference: foot is missing from toy, frame has been removed, hat is now blue, light bulb is larger, handle has been removed. **Word ladder:** look, loot, moot, moat, meat, neat. **Word wheel:** telephone. **What on Earth?:** flowers, dress, Champagne, rings, presents, cake.



WHAT'S IN THE SHOPS?

THE POTION MAKING KIT NATURALCOLLECTION.COM £19.95

You'll have hours of fun with this Potion Making Kit, perfect to take with you on your outdoor nature walks to collect any special petals, leaves or grasses to create your own marvellous mixtures. Just simply add a pinch of natural colour, a splash of water and dried petals to make the most magical of potions! The kit contains a mixing beaker, funnel, sieve, reusable bottles, plus dried beetroot powder that will provide a natural red colouring, dried petals and more.



*All prices correct at time of printing

GROWBARS THEKINDSTOREONLINE.CO.UK £12.00 EACH

Growbars are seed collections nestled in compact compost bars. Unwrap the bar, pop it in a container, add water, then watch them grow. There are loads of Grow Bars to choose from, including The Bee Bar, Exotic Vegetable Bar, Tiny Tomato Bar, Medieval Herbs and The First Aid Bar.



CHILDREN'S GARDENING WEEK

29 MAY – 6 JUNE



WINDOWSILL SUNNY GARDEN GARDENINGFORKIDS.CO.UK £6.85

This kit contains seeds and a small propagator (a kind of mini greenhouse), giving you everything you need to start your own sunflowers on the windowsill. The packaging becomes the propagator, with six small pots to allow you to grow a type of mini sunflower. Once the seedlings are large enough to handle, you can move them into larger pots.

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We are extremely passionate about the environment and we are always looking at ways to reduce waste throughout the company and across all of our products. Our paper comes from sustainable sources. We package First News in a mixture of compostable wrapper, paper wrapper, cardboard wraps and boxes, depending on the order size. See www.firstnews.co.uk/about-first-news for more information about our environmental commitments.

TRAVEL TO TOKYO *Advertisement feature*

GET ACTIVE WITH TRAVEL TO TOKYO

JOIN one million families and get active with Travel to Tokyo.

Travel to Tokyo is part of Get Set, Team GB and ParalympicsGB's youth engagement programme, created with funding from Sport England and Spirit of 2012. Travel to Tokyo allows young people and their families across the UK to get active alongside their classmates virtually and celebrate their progress online as one school team.



Every physical activity, no matter what it is, can be logged online as part of the Travel to Tokyo virtual challenge on the Get Set website. Get active to be in with the chance to win exciting prizes, including fitness trackers, dance mats and even an athlete ambassador visit to your school!



*Please be aware of age restrictions on social media

Sign up now by logging your first activity at getset.co.uk/travel-tokyo and share your progress using #TTTYourWay.

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PERFECT
FOR YEAR 2
TO YEAR 8



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TO FIND OUT MORE

INSIDE AN eSPORTS STUDIO

SPOOKY GAMES ANNOUNCED!



A TOP-OF-THE-LINE new eSports studio has opened in London’s Westfield Stratford City shopping centre.

In Asia, eSports studios are huge. These are places where you can go to play the latest games on top hardware, and meet fellow gamers doing the same.

There are dozens of computers available, as well as several PlayStation 5 consoles, all with plenty of games already installed. Some of the computers are more powerful than others – to play on those, you’ll need to pay a bit more!

There are also private, eSports-focused rooms. These are noise-proof and have their own air-conditioning systems. These will be used to host eSports teams, either for tournament games or if they want to practise together.

Stratford’s Wanyoo eSports Studio is its fourth to open in the UK. Globally, the company has over 1,200 stores.

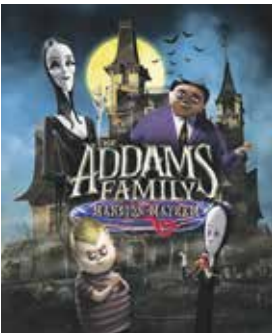
Wanyoo told us that it wants to encourage communities to come and hang out at the studios. The company also hopes that streamers come and use them.

But what if you get so involved in the game you don’t want to leave your seat? Well, next to each computer, there’s a button to summon a ‘butler-style’ service! Press it and someone will come to take a food and drink order.

Do you like the sound of an eSports studio?



Wanyoo eSports Studio



Outright Games

A BUNCH of new titles based on TV shows and films have been announced by Outright Games.

We’ve got a couple of spooky ones first. Earlier this month the company announced *Hotel Transylvania: Scary-Tale Adventures* will be released for Nintendo Switch, PlayStation 4, Xbox One and Steam this October.

It’ll feature a completely new story but will include classic characters from the film.

In September, we’ll be playing *The Addams Family: Mansion Mayhem*, a brand new four-player videogame launching on consoles and PC.

In this new adventure based on the film, you can play as Wednesday, Pugsley, Gomez or Morticia, who each have special abilities!

Lastly, there were also a couple of games for younger siblings. Peppa Pig’s getting her own game called *My Friend Peppa Pig*, and there’ll also be a game based on *PJ Masks*.

BOOKS

YOUR BOOK REVIEWS!

A SONG OF GLADNESS
MICHAEL MORPURGO
AND EMILY GRAVETT

reviewed
by Luke Foister,
Year 3

I enjoyed this book because I thought it was very hopeful, as 2020-2021 has been all about coronavirus and this was about our planet.

It was about a blackbird singing his happy song to all the other animals, who passed it on: wildebeests, birds, leopards, deer, foxes, baboons, tigers and so many more.

This book was amazing, it was really imaginative. The blackbird was trying to make people happy by singing a happy song. I like the pictures in the book because they are funny – all the other animals are trying to grab the notes.

I thought there were lots of lovely details in the pictures. I really enjoyed reading and sharing this book with my friends.



KAY'S ANATOMY
ADAM KAY

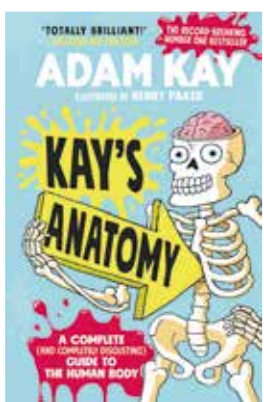
reviewed
by Sammy Nyman,
aged ten

Kay’s Anatomy is an amazing children’s book taking you on a rollercoaster ride down the human body, from your brain to your toes.

It’s filled with funny facts and jokes. Do you ever wonder what happens inside your body? If so, this book is perfect for you. Did you know you have millions of tiny bugs living on your eyebrows? But don’t worry, they don’t bite, or at least I hope they don’t.

There are questions to test you called “True or Poo” and the author shares funny stories from his work as a doctor.

Each chapter is split into short sections that makes it really easy to read. I would recommend this book for those aged seven and up.



TRAINING IN TV

by Andrew, Daniel, Isla, Jack, Jacob and Lola

IT'S exciting being involved in something no-one else has ever done before!

The launch of end2end TV has given us the opportunity to work with a fabulous team.

We have built our way up from small cameras to professional cameras, tripods and sound systems.

Being shown how to do something and then learning by doing; having the opportunity to figure things out, rather than just sit in front of a board, is the best way to learn.

It's like an apprenticeship, and we are often learning without realising it.

The TV NOW! Scholarship Programme isn't just giving us new knowledge, it will give everybody the chance of gaining knowledge and real-life experience when we start training others from September, which is brilliant. Passing on our learning to others is a part of our Arts Award and makes us feel involved in something incredibly special. This is more than we imagined it would be, and we are looking forward to all the opportunities ahead.

The e2e Crew: Andrew, Curtis, Daniel, Dylan, Isla, Jack, Jacob, James, Jess, Lola, Raheemah and Scarlett



JUNIOR JOURNALIST

WE WANT TO HEAR WHAT YOU/YOUR SCHOOL IS UP TO

Write in to let us know what you've been up to lately! Have you been getting creative? Been for a great day out? How has the coronavirus affected your school, friends and family? Why not share your experiences with First News readers?

Email your report (including pictures) to yournews@firstnews.co.uk

Don't forget to include your name and age (and your school's name and address for school news reports). By writing in, you give consent to First News printing details and photographs of those involved in the report.

COOL CASTLE

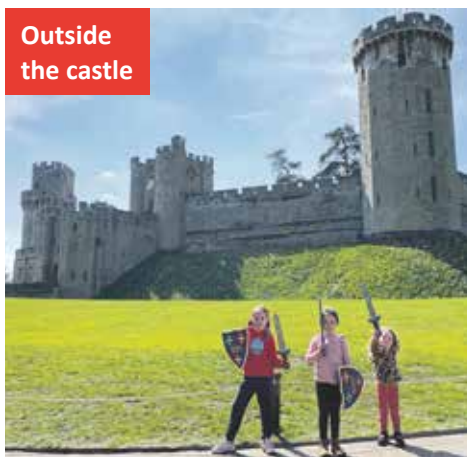
by Mia, Maddie and Eleanor

WE were excited to go to Warwick Castle for the first time.

We started in the peacock garden and saw lots of peacocks walking around. The lady from the castle gave us foam swords and shields, and the knight in the castle garden taught us some sword moves. Then he had a real sword fight with another knight – it was really cool to watch. Later in the day we watched them have another battle, this time on top of the castle walls! It was really exciting. There is a new Zog trail at the castle and we had to collect stamps as we walked around and did different activities all linked to Zog, the castle's very own dragon! Jumping up and



Eleanor, Maddie and Mia



Outside the castle

down to help Zog breathe fire was fun. We really enjoyed the *Horrible Histories* maze as well, and learnt lots of gross facts about history. Warwick Castle was such a fun day out, we loved meeting all the characters and exploring the castle grounds. You should go to visit soon too!

Visit www.warwick-castle.com for booking information.

JUNIOR JOURNALIST

COOKING CHALLENGE

by Dylan

I AM taking part in a 30-day cooking challenge for a charity called Glass Door.



Dylan

I chose this charity because they help people who are experiencing homelessness to get off the streets for good. COVID-19 has affected people in many different ways, including increasing homelessness, and I wanted to do something to help.

The idea of a cooking challenge came because we all enjoy cooking in my family. However, it also made me a bit nervous because I have never cooked

by myself – but when I did, I realised that I was learning a lot of recipes. I also started to find myself in a happy mood because Glass Door told me that with the money I am raising, lots of people will be able to do a lot more things. I smashed my £1,000 target in just nine days, so I decided to keep going and increased my target to £2,000. It feels really good to help others and it is amazing to get people's support.

JUNIOR JOURNALIST

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**THEY'RE
GONNA WISH
THEY'D NEVER BEEN
GROWN!**

**EAT
THEM TO
DEFEAT
THEM**



SKY BLUE IS THE COLOUR



Manchester City, aka the Sky Blues, celebrate winning the Premier League

THE 2020-21 Premier League season is over, with two of England's Champions League places decided on a dramatic final day of action.

Manchester City's title triumph had been confirmed on 11 May, when runners-up Manchester United lost to Leicester City, putting City mathematically beyond reach.

The relegation spots were also confirmed long before the last day of the season. Fulham and West Bromwich Albion will join bottom-placed Sheffield United in the Championship next season. So the real drama on the last day was all about the remaining two Champions League spots.

The two Manchester clubs were assured of a place in next season's top European competition, but Leicester, Liverpool and Chelsea were all competing for third and fourth place.

But Leicester threw it all away in a 4-2 home defeat against Spurs. They were leading 2-1, which would have given them a Champions League spot, but collapsed at the end, conceding three goals in the last 20 minutes. The club had spent longer than any other in the top four this season – 242 days – but fell out when it mattered most.

Chelsea lost 2-1 to Aston Villa, but Leicester's defeat meant the London club still managed to finish fourth.

Liverpool sealed a third-place finish with a 2-0 win over Crystal Palace. West Ham United qualified for the Europa League after finishing sixth, thanks to their 3-0 win over Southampton.

For Manchester City, it was a third title in four seasons. Their 5-0 win over Everton left them with a goal difference of +51, which was 22 ahead of second-placed Manchester United.

Manager Pep Guardiola paid a tearful tribute to striker Sergio Agüero (above), who is leaving the club after 389 appearances. The Argentinian came on as a sub against Everton and scored twice, taking his goals tally for City to a remarkable 260. Agüero is set to join Barcelona.



EUROPE ROUND-UP

THERE was drama across several top European leagues on the final weekend of the season.

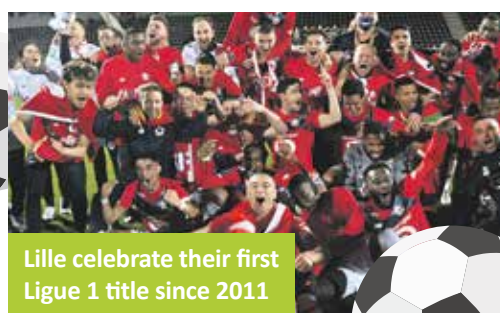
In Spain, Atlético Madrid's 2-1 win at Real Valladolid secured them their first La Liga title since 2014. Real Madrid went into the last day of the season knowing they could win the title if they beat Villarreal and Atlético slipped up. Real did get a dramatic, late 2-1 win with a goal by Luka Modrić in the 92nd minute. But Atlético's Luis Suárez (top left) scored the winning goal to secure the title.

There was also huge drama in France, where Lille claimed the Ligue 1 title on the last day of the season with a 2-1 win at Angers. The result put Lille one point ahead of Paris Saint-Germain, who have

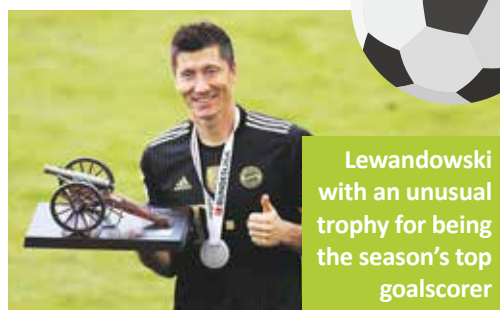
won the title for seven of the last nine years.

In Italy, Juventus sneaked into the Champions League in fourth place after beating Bologna. The Serie A champions are Inter, who finished 12 points ahead of AC Milan in second. Atalanta came third.

In Germany, Bayern Munich's ninth title in a row was confirmed on 8 May. But super striker Robert Lewandowski scored in the last minute of the season to break Gerd Müller's 49-year record of Bundesliga goals in a single season. Lewandowski scored goal number 41 in a 5-2 win over Augsburg.



Lille celebrate their first Ligue 1 title since 2011



Lewandowski with an unusual trophy for being the season's top goalscorer

1

was Dina Asher-Smith's place in the 100m at a rainy and windswept Gateshead. The Brit

finished in 11.35 secs to beat a strong field, including the USA's Sha'Carri Richardson, who finished 0.11 seconds behind in second place. Fellow Brit Laura Muir won the 1,500m race in 4 mins 3.73 secs.



50

-year-old golfer Phil Mickelson has become the oldest man to win a major title after he won the

US PGA Championship. The previous record-holder was Julius Boros, who won the title in 1968 at the age of 48. American Mickelson won on six under par, two ahead of his rivals.



17

-year-old tennis ace Coco Gauff won her second WTA title after beating 29-year-old Wang Qiang 6-1,

6-3 in the final of the Emilia-Romagna Open. It was the American's first clay-court title and she quickly followed it with a second, after she and Caty McNally won the doubles final.

