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WE'RE PLASTIC-FREE!

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WE CAN DO THIS!
On the weekend of 3–4 August, at least 31 people died in two gun attacks in the US. The shootings took place in El Paso, in Texas and Dayton, in Ohio. Tributes have poured in for the victims.

What happened?
On 3 August, a man armed with a gun attacked a supermarket in the city of El Paso, Texas. In all, 22 people died and at least another 24 were injured. The police arrested the gunman in the car park. Then, in the early hours of the morning of 4 August, another man with a gun attacked people on the streets in Dayton, Ohio. Nine people died and 27 were left injured. Police shot the gunman and he died within a minute of starting his attack.

Who were the victims?
The attacker in El Paso appears to have targeted Hispanic people (people whose families come from Spanish-speaking countries in Central and South America) who lived in the city or who were visiting from Mexico. El Paso is on the US-Mexican border. In Dayton, police are still trying to work out the motive for the shooting.

How did people react?
In El Paso, blood banks had to turn people away because so many people turned up to donate. In Dayton, people gathered where the attack took place for a silent vigil. They sang songs and laid flowers for the victims. A hashtag, #ElPasoStrong, started trending on Twitter. Many Americans have demanded that the government takes action.

How did President Trump react?
US president, Donald Trump, responded to the shootings by saying that “hate has no place” in the US and that more needs to be done to stop gun violence in the country. However, many people have criticised Trump. They say his comments about non-white Americans have helped to create an atmosphere of hate in the country. Trump was due to visit El Paso and Dayton on 7 August. Some people, including politician Veronica Escobar who represents El Paso, have protested against Trump’s visit and said that they don’t want him there.

Why do people in the US have guns?
The US Constitution states that US citizens have the right to own guns. A constitution is a set of rules on which a country bases its laws. The US is made up of 50 states, and laws around gun ownership are different depending on each state. Some people want stricter gun laws; others believe that the right to own guns should be protected.

Will gun laws change in the country?
On 5 August, Trump suggested a law to ban the sale of guns to certain people. He also called for law-enforcement agencies to do more to identify and stop possible attackers. Yet Trump has previously blocked attempts to make gun laws stricter. There are proposals to tighten gun laws going through Congress (which is like Parliament in the UK), but politicians from Trump’s Republican Party have been blocking a vote on them.
India strips Kashmir of its special status

The Indian government has decided to take away rights that Kashmir has enjoyed for decades.

Kashmir is a region that lies between India and Pakistan. Both countries say it belongs to them and in the past they have gone to war over it. Each country controls a different part of Kashmir. India has controlled the part called the state of Jammu and Kashmir since 1947.

On 5 August, India removed a section of the Indian constitution that gave its part of Kashmir special status and allowed it to make its own laws (a constitution is a set of rules on which a country bases its laws). Until 5 August, Jammu and Kashmir had its own constitution, flag and the freedom to make its own decisions, but the change means it will now be under the same rules as the rest of India.

The Indian government says it wants to help improve the region. However, some people are worried that India is seeking to alter Kashmir’s population, which is mostly Muslim, by allowing non-Kashmiris from India to buy land there. Pakistan has vowed to challenge India’s decision.

Daredevil flies across the Channel

On 4 August, French inventor Franky Zapata became the first person to cross the Channel (the body of water between France and the UK) on a jet-powered flyboard. The flyboard, which is an invention of Zapata’s, lets the person piloting it fly through the air unconnected to anything else.

Zapata left from Sangatte, France, at 6.17am and landed 22 minutes later in St Margaret’s Bay in Dover, in the UK. He travelled a total distance of 22 miles and reached a top speed of 106mph during the flight. When he landed in the UK, Zapata said, “I’m feeling so happy, it’s just an amazing moment in my life.”

This was Zapata’s second attempt to cross the Channel. The first was on 25 July, which was supposed to mark the 110th anniversary of the first crossing of the Channel by plane.

However, Zapata fell into the sea after he missed his landing spot on a ship where he needed to refuel. The flyboard, which is also referred to as a hoverboard, is powered by a backpack filled with kerosene – a liquid that is used as fuel in jet engines. The backpack only has enough kerosene for 10 minutes of flight, which is why Zapata had to stop on a ship and refuel halfway through. Luckily, the ship used for the second attempt had a larger landing zone than the first.

Falling into the sea wasn’t the biggest mishap Zapata has had with his flyboard. He has spent the last three years developing it and lost two fingers in an accident when he tried to fly it for the first time in his garage. Zapata says he has achieved his dream, but he now has other plans. He wants to fly even higher with his invention, and also wants to build a flying car.

IT’S AN AMAZING WEEK FOR...

THE COMMON BLUE BUTTERFLY
The common blue butterfly is experiencing its best ever summer as a result of record heatwaves across Europe. The Butterfly Conservation charity said the species has been in decline for 40 years, but in 2018, the population increased by 104% in England.

ED SHEERAN
After a performance in Germany on 2 August, Ed Sheeran broke the record for the most-attended, and highest-earning tour of all time. The previous record was set by the band U2 in 2011. By the end of his tour on 26 August, Sheeran will have played 255 shows in 43 countries to more than 8.5 million people.

THIS SKATEBOARDER
Rayssa Leal, an 11-year-old from Brazil, has become the youngest person to win a stage of the Street League Skateboarding World Tour. Leal beat fellow Brazilian Pamela Rose and Alana Smith from the US, at the event in Los Angeles, in the US. Leal hopes to continue her incredible success next year when she makes her Olympic debut in Tokyo 2020.
On 1 August, more than 1,500 people were told to leave their homes in Whaley Bridge, a town in Derbyshire, over fears that a nearby dam was about to burst.

What happened?
Heavy rain in the Peak District meant that water overwhelmed the Toddbrook reservoir (a large lake used to store water), which is next to Whaley Bridge. The reservoir holds around 1.3 million tonnes of water. Too much water is not usually a problem because the dam has a spillway (a large sloping concrete wall that carries any extra water safely away into a river). However, the spillway on the dam started to crumble due to the heavy rainfall. There were fears that people living in the town would be at risk if the dam couldn’t be fixed.

What was done to stop it from bursting?
To shore up (strengthen) the dam wall, Royal Air Force helicopters dropped sandbags onto the damaged part of the spillway to strengthen it and prevent it crumbling any further. Meanwhile, firefighters used 23 high-volume pumps to redirect water out of the reservoir and into the River Goyt. At one point the firefighters were pumping out seven tonnes of water a minute. This lowered the water level and released the pressure on the dam wall. At the time The Week Junior went to press, the emergency services who were pumping water out of the reservoir said they had reached a safe level. The water was reduced by more than eight metres, bringing the reservoir down to a quarter of its capacity.

What caused the damage to the dam?
It’s not clear why the dam crumbled so dramatically in the bad weather. It is owned by The Canal and River Trust, who say they carried out an inspection in November and found it to be “absolutely fine”. The Government has said it is now considering a review of all the dams across the country.

Insects have bodies divided into segments, and these segments were the inspiration for the word back in the 17th century. Insect is a shortening of the Latin animal insectum, “segmented animal”, and was originally used for any small, cold-blooded creature with a segmented body, including spiders. The root word of insect is the Latin secare, to cut, which also gave us dissect and section.

14 and 15 August 1947
The creation of Pakistan and India
Pakistan was created on 14 August 1947, and India was created the following day, as both countries became independent from the British Empire. India became a mostly Hindu country, while the new Pakistan was mostly Muslim. Pakistan was divided into two parts, West Pakistan (now Pakistan) and East Pakistan (now Bangladesh). As a result of the so-called Partition of India, violence broke out. Around a million people died and 12 million people had to leave their homes.
The site of Sutton Hoo, in Suffolk, has received a £4 million makeover to improve the experience for visitors. Sutton Hoo is home to what is considered to be one of the greatest archaeological discoveries ever made in the UK. Archaeology is the study of the past from things that people have left behind.

In 1939, a huge burial ship was found at Sutton Hoo, thought to be the resting place of an Anglo-Saxon king and all his treasure. The discovery was made after the owner of the land, Edith Perry, noticed a series of mysterious mounds around her estate and called in an archaeologist.

Beneath the mounds was a full-size ship. On the ship was a burial chamber filled with treasures, including gold jewellery, silverware and a warrior’s helmet. Historians believe the chamber was for King Raedwald, who ruled the region of East Anglia. The artefacts helped to improve our understanding of 7th century England.

World-famous burial site given £4 million makeover

When the Second World War broke out in 1939, the items were taken away for safekeeping. Some are now on display at the British Museum in London. Sutton Hoo was given to the National Trust in 1998 (a charity that preserves special places). Visitors were able to visit the burial site, but as the ship and treasures were not there, some people found the experience disappointing. Mike Hopwood, who works for the National Trust, admitted that “the word ‘underwhelming’ was used quite a lot.”

Now, that’s all about to change. New features on the site include replicas of the treasures, interactive exhibitions and a 17-metre-high observation tower. However, the flagship feature is a full-sized sculpture of the ship itself. Standing at 27 metres long and four metres high, it will be visible as soon as you arrive. Hopwood says that this will allow visitors “to digest just how remarkable this story is from the moment they set foot on site.”
US
Trump withdraws from nuclear treaty
On 2 August, the US withdrew from the Intermediate-Range Nuclear Forces (INF) Treaty, which it signed with Russia in 1987. This agreement limited the development and testing of nuclear weapons (extremely powerful bombs). The US president, Donald Trump, wants to make a new agreement on nuclear weapons. He said the INF isn’t working because Russia has already broken the rules. Russia denies this.

Guarello Island, Chile
Massive oil-spill clean-up under way
Around 40,000 litres of diesel fuel have spilled into the ocean off the coast of Guarello Island in southern Chile. The fuel is thought to have leaked from a mining company on the Chilean coast, which reported the spill to the country’s navy. The navy has been sent to stop it spreading, and an investigation has been launched into what happened.

Moscow, Russia
Protests in Russia’s capital
On 3 August, police arrested more than 1,000 people at a protest in Russia’s capital, Moscow. The protest was held after the authorities said some political leaders could not stand in local elections that are due to take place in September. Officials said the candidates didn’t have the correct signatures, but the candidates, who oppose the Russian government, say officials are trying to stop them from taking part.

Bell Island, Canada
Old explosives found in the sea
The Canadian military has disposed of at least 82 unexploded Second World War bombs that have been discovered in shipwrecks off the coast of Bell Island, in Newfoundland and Labrador. The wrecks were British and Canadian ships that had been sunk by German boats during the war, and they are a popular spot for divers to explore. The military has removed at least half of the explosives so far, as part of a plan to clear all bombs from Canadian waters.

South Africa
New dinosaur discovered in museum
A brand-new species of dinosaur has been discovered after scientists took a closer look at fossils held at the Evolutionary Studies Institute in Johannesburg, South Africa. The fossils had been on display for 40 years and were identified as being from the species Massospondylus. They actually belong to a new species, which has been called Ngwevu intloko, which means grey skull in Xhosa, a South African language. The dinosaur ate plants and would have weighed 300 kilograms and stood four metres tall.
**Cairo, Egypt**

**Tutankhamun’s coffin goes on display**

On 4 July, Tutankhamun’s coffin went on display at the Grand Egyptian Museum in Cairo, to show how repair work is progressing. Tutankhamun was an ancient Egyptian king whose coffin was found in 1922. The coffin is roughly 3,000 years old and has been damaged over time. This is the first attempt to restore it since its discovery.

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**South Korea**

**Ronaldo upsets his fans**

Top footballer Cristiano Ronaldo has upset football fans in South Korea by not taking part in a match. As a result, some fans say they may take legal action against the company that organised the game. Ronaldo’s team, Juventus, from Italy, played against a team from the South Korean league on 26 July. It was agreed Ronaldo would play at least half of the game, but he sat on the bench for the entire match.

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**Siberia, Russia**

**Russian army sent to fight forest fires**

The Russian president, Vladimir Putin, has sent the army to help put out huge forest fires in Siberia, in the north-east of the country. An area of around 30,000 square kilometres, which is roughly the size of Belgium, has been affected. The fires broke out because of hot weather and thunderstorms, and the smoke has engulfed towns in the region. Luckily the blazes are in remote parts of the country and are not thought to pose a risk to humans.

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**Saudi Arabia**

**New travel rules announced for women**

On 2 August, it was announced that women over the age of 21 in Saudi Arabia can now travel abroad without a male relative’s permission. Women will also be able to register births, marriages and divorces and apply for passports by themselves. Despite this, women in Saudi Arabia still do not have the same rights as men; they still need a male relative’s permission to get married or live on their own.

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**DRC/Rwanda border**

**Border is reopened**

On 1 August, Rwanda shut its border for a few hours with the neighbouring Democratic Republic of Congo (DRC) to try and stop the spread of the Ebola virus. The DRC has been struggling to contain an outbreak of the virus, which has killed more than 1,800 people in the past year. The World Health Organization has declared Ebola a global health emergency, which is its highest level of alarm, but said that it was not necessary to close the border. As a result it has now reopened.
Should Fortnite have its own World Cup?

The first ever tournament was held this year in the US.

What you need to know

- From 26 to 28 July, the first ever Fortnite World Cup final was held in New York, in the US, in front of a crowd of around 16,000 people. There was a solo competition for individual players and a duos competition for pairs.
- The winner of the solo competition, 16-year-old Kyle Giersdorf from the US, was awarded £2.4 million. In total, around £24 million of prize money was shared by the winning players.
- Fortnite is a video game in which 100 players are parachuted onto an island. They have to find weapons and build bases, competing with other players to see who can be the last one standing.

Since its release in 2017, Fortnite has become one of the most popular video games in the world. In July, the first ever Fortnite World Cup was held in New York. Of the 250 million people who play the game, and the roughly 40 million who tried to qualify, just 100 players made it to the finals. There were big prizes for the winners and runners-up, turning a few lucky teenagers into instant millionaires. Although lots of people got caught up in the excitement of the tournament, others felt uncomfortable about how much money the winners were awarded. Some parents have also said they are worried that spending so much time in front of a screen will have a negative impact on players’ mental health. So, should Fortnite have its own World Cup?

YES
Three reasons why Fortnite should have its own World Cup

1. Mastering Fortnite is just as impressive as being good at a physical sport.
2. There’s huge demand for such a tournament. The amount of money up for grabs could change a gamer’s life forever.
3. Thousands of people attend the tournament, giving it a great atmosphere and making it a showcase of the world’s best gaming talent.

NO
Three reasons why Fortnite should not have its own World Cup

1. Training for the competition involves spending many hours staring at a screen, which can be unhealthy.
2. Fortnite doesn’t require any physical activity, unlike other sports.
3. The money on offer could encourage more young people to hide away in their bedrooms practising the game in order to win.

What do you think?

Now that you’ve read a bit more about it, tell us what you think by voting in our poll at theweekjunior.co.uk/polls. Vote YES if you think that Fortnite should have its own World Cup, or NO if you don’t. We’ll publish the results next week.

DID YOU KNOW?

In 2018, Fortnite made an estimated £2 billion from people buying items and in-game passes.

LAST WEEK’S POLL

Last week, we asked if you thought people should stop flying on planes because they create a lot of pollution. Most of you thought that flying was often the only realistic option.

30% YES 70% NO
For Iain Cameron, almost every day is a snow day. He spends his free time hunting for the white substance and climbs the mountains of Scotland every year to keep track of how fast the snow at the top has melted.

Cameron’s snow hunting started at an early age. When he was nine, his family moved to a new house near Port Glasgow in Scotland, where they had a view of the mountain Ben Lomond. Around the end of March, Cameron spotted a patch of snow at the top of the mountain that hadn’t melted yet. He became fascinated by it and made a note in his diary on the day that it finally disappeared. This simple act became the start of a lifetime’s work.

Now, at the age of 46, Cameron goes on regular walks up the mountains of Scotland to keep track of how long the snow has lasted. His findings are used by the Royal Meteorological Society (an organisation studying the science of weather) and have been used to track changes in the country’s climate.

Cameron’s research has shown that since 1840 – when records were first kept – snow has disappeared from the whole of Scotland’s mountains just six times, and half of these times have occurred since 2000. Cameron told the newspaper, “This year, again, it could be touch and go for anything (any snow) surviving (not melting).”

Although Cameron doesn’t make money from hunting snow, he has found lots of climbing kit on his travels. “One of the caps I still use, it must have been brand new when it blew off the top of the person’s head,” he says. However, he didn’t start snow hunting to help researchers or to get free hats. Explaining why he does it, he says, “I just find it interesting.” There’s no chance of him getting bored either, as Cameron points out that even if you go year after year, “The snow never melts the same way twice.”

Iain Cameron turned a childhood curiosity into a lifelong passion.

DID YOU KNOW?
The Cairngorms in Scotland is the snowiest place in the UK. It gets an average of 76.2 days of snow each year.

Lord Jim Knight
The former actor has devoted his career to helping teachers.

Describe yourself in three words.
Educator, politician, optimist (someone who thinks positively about things).

Who do you love?
My family and Claudia – my partner – most of all.

As a child, who did you want to be like and why?
Fred Astaire (a famous dancer, singer and film star). One day I will learn to tap dance, although I will ever be a match for him!

When you were 11, what did you dream of doing?
Being a film star.

What do you do now?
Chief education adviser at TES (an organisation that supports teachers and schools); member of the House of Lords; chairperson of a digital technology charity.

How did you get there?
As a child I appeared for six months in the musical Oliver! in London. In my final year at university, I started a theatre company. I went on to run theatres until I became so angry with politicians that I decided I should get elected myself. I first got elected as a local councillor, then became the Mayor of Frome, in Somerset, and eventually an MP (Member of Parliament) for Dorset South. Nine years later, having been the Government’s minister for schools, I lost the election and was offered a permanent place in the House of Lords. This is not full-time, and after doing a number of jobs, I finally ended up back with my passion for education by working for TES.

What do you love about what you do?
I support the most important profession for the world – teaching. A teacher’s job is tough but vital.

What are you doing today?
Sitting on the main island of Orkney looking out at the Atlantic Ocean.

“My motto is be clear, be kind and keep listening.”

Becoming me is created in partnership with Dr Ger Graus OBE, Global Director of Education, Kidzania.
Roaring success for India’s wild tiger population

The number of wild Bengal tigers in India has increased by a third since 2014. A newly released survey, which was carried out by the Indian government in 2018, found that there were 2,967 tigers, compared to 2,226 when the last survey was taken in 2014. There are only around 3,900 wild tigers left in the world and they are considered to be an endangered species.

The rise in tiger numbers was celebrated by Indian prime minister Narendra Modi, who tweeted that the results of the survey “would make every Indian, every nature lover happy”. Modi said the increase was due to the setting up of more protected areas in the country. In 2018 there were 860, up from 692 in 2014. Some experts have pointed out that the rise in numbers could be down to better counting methods, however. The survey used 26,838 camera traps to spot the wild animals.

It’s thought that in 1900 there were about 100,000 wild tigers in the world, but by 2010 that number had fallen to 3,200. The decline was down to a combination of hunting and people destroying the tigers’ habitat for farming and building. Despite the recovery in tiger numbers, however, there is still conflict between India’s people and the country’s tigers. With a population of 1.3 billion people, humans often have no choice but to live close to tiger habitats. Tigers are known to eat farmers’ livestock, such as pigs and cattle, and occasionally even attack people. As a result, people sometimes chase or hunt the tigers to drive them away. Wildlife conservationist Neha Sinha told The Guardian newspaper that although the increase in numbers is a positive result, the tigers will now need more space to live. The government and conservationists are working together to provide both people and tigers with protected areas so they can live peacefully together.

PLACE OF THE WEEK

Mumbles, Wales

This much-loved area near Swansea is full of things to do. It marks the edge of the beautiful and castle-studded Gower Peninsula, and has several coastal landmarks. Take a trip to a lighthouse built in 1794, then wander along Mumbles Pier. Built in 1898, it has an amusement arcade, café, restaurant and a bowling alley. On sunny days Pier Beach is great fun, and if it rains there’s always the option of tasty fish and chips under shelter.

Find out more at tinyurl.com/TWJ-Mumbles
Plastic bag sales take a dive

The number of single-use plastic bags being sold in the biggest supermarkets in England has fallen by nearly half in a year. According to official figures, in 2018 Asda, the Co-op, Marks & Spencer, Morrisons, Sainsbury’s, Tesco and Waitrose sold 549 million single-use plastic bags, compared to a billion bags the year before.

The results also confirmed that sales of single-use plastic bags have dropped by a total of 90% since 2015, when a 5p charge was introduced for them at supermarkets in England. Wales, Northern Ireland and Scotland introduced their own charges in 2011, 2013 and 2014, and have seen similar falls in bag use.

The charges were brought in to reduce litter and help protect wildlife and the environment. Around eight million tonnes of plastic finds its way into our seas each year. As it breaks down into smaller pieces and enters the ocean through rivers and waterways, it can be eaten by marine animals and birds. It is reported that each year up to 100,000 animals in the sea are killed by plastic. From April 2020, plastic straws, stirrers used for hot drinks and cotton buds will also be banned from general sale in England.

Birthday party for pandas

Eighteen Chinese pandas, born between June and September last year, have celebrated their first birthday together. A party at Shenshuping Panda Centre in south-west China included bamboo-shoot snacks, a crushed ice cake and a toy car made from bamboo.

Porpoise population drops

There are thought to be fewer than 19 vaquita porpoises left on the planet, according to new research. In 2016, there were 30 of this rare species, but a new study suggests the population has fallen further. The porpoises only live in Mexican waters and often get caught in fishing nets.

The Scottish government is considering plans to make the Sea of the Hebrides, off Scotland’s west coast, the world’s first protected area for basking sharks. The huge fish gather there in large numbers between May and October.

LIFESPAN IN THE WILD: Unknown, but believed to be around 50 years.

HABITAT: The waters of the Atlantic and Pacific Oceans.

DIET: Zooplankton – tiny animals found drifting in water.

FUN FACT: The basking shark is the second biggest fish on Earth, after the whale shark.

How many hearts does a cockroach have?

Matthew Robertson
Keeper at ZSL London Zoo

Unlike humans, cockroaches don’t use a single heart to pump blood along arteries to different body parts. Instead, blood flows freely around their bodies via a long, tube-like heart. They also have extra mini-hearts at the base of each leg, antenna and wing, as well as in their mouths. So you could say that cockroaches have 15 or more hearts.

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
A protest that changed

Find out how a protest 200 years ago still affects people’s lives today.

Two hundred years ago, on 16 August 1819, an important protest was held in Manchester. The event became known as The Peterloo Massacre. It had a huge effect on British politics and led to people having more rights and a greater say in how the country is run. It was also crucial in the creation of The Guardian, one of the UK’s biggest newspapers.

The protest begins

On the morning of 16 August 1819, thousands of people turned up to a demonstration in St Peter’s Fields, in Manchester. It is estimated that between 50,000 and 60,000 people, including lots of children, were there. The number was more than half the population of Manchester and the surrounding area at the time. People gathered peacefully to hear speakers, including Henry Hunt, who were arguing that ordinary people should be given more rights.

Why were people protesting?

At the time, Parliament in the UK was made up of a small number of men who owned land and were mostly interested in their own power and wealth. Many people, especially in the north of England, felt they were being treated unfairly by the Government. Manchester didn’t even have a Member of Parliament (MP) to represent local people.

Hunt was campaigning for more people to be allowed to take part in elections, because very few people – and no women – were allowed to vote. Lots of people didn’t have jobs and food was expensive because of unfair Government laws and bad harvests.

Violence at the demonstration

As Hunt started speaking to the huge crowd, William Hulton, who was a local landowner and magistrate (a legal official) sent soldiers on horseback to arrest Hunt and send the crowd home. They attacked the unarmed protesters, killing between 11 and 18 of them and injuring more than 500 others.
Why was the event called Peterloo?
The clash got its nickname from James Wroe, the editor of the Manchester Observer newspaper. He was referring to the famous Battle of Waterloo, which had been fought four years earlier. The newspaper was shut down soon afterwards, because Wroe was accused of using the newspaper to encourage people to protest against the Government.

What happened later?
Peterloo became a symbol for those who wanted the political system to change and give more people a chance to vote. Protest groups were created across Britain and changes to the law were slowly made. In 1820, Hunt was sent to prison for two years, but continued to campaign for change. In 1830, he became an MP.

It took until 1918 for both men and women to be able to vote in Britain. Although all men over the age of 21 were allowed to vote, only women over the age of 30 who had a certain amount of property could. The law became fully equal in 1928.

Beginnings of The Guardian newspaper
Journalist John Edward Taylor was at Peterloo. He reported on the violence and what happened in the months that followed. Taylor wanted to make sure that everyone knew what really happened. In 1821 he founded The Manchester Guardian which is now just called The Guardian.

DID YOU KNOW?
In 2018, the events of Peterloo were made into a film. The director, Mike Leigh, said it was such an important event in British history that it should be taught in schools.
GROW A FOREST FROM THIS PAGE

With a little help from your parents, you can grow a forest from this page. Scan the Shazam code to see trees grow out of this page and discover why trees are important.
Doctors at the University of California, San Francisco, in the US, have developed a piece of software that can (almost) read minds. The project, funded by Facebook, hopes to help people who, due to a range of medical conditions, are unable to communicate with others.

Until now, technologies that have helped people with these conditions to communicate have been too slow to allow a natural, flowing conversation. People find these devices frustrating to use.

This new approach uses brain signals to convert a person’s thoughts into text. When we want to speak, the brain sends signals to make the lips, jaw and tongue move in the precise way to make an understandable sound. By detecting these brain signals, the new software was able to predict what a person wanted to say quickly enough to hold a conversation.

The brain-reading software was tested on three volunteers who could all speak normally. They were being treated for epilepsy – a medical condition that causes bursts of electrical activity in the brain that affect how it works. As part of their treatment for epilepsy, each patient had electrodes (small metal plates that carry electric currents) placed onto the surface of their brain. Edward Chang, who led the study, used these electrodes to record the signals in the patients’ brains while they listened to a list of questions and answered them.

Chang and his team then built a computer program that learned to match the patient’s brain signals to the words the patient heard and the words the patient spoke. For the questions, the software matched the correct words 76% of the time. For the answers, it matched the correct words 61% of the time.

In its current form, the mind-reading software works only for the limited set of sentences on which it was trained. Scientists hope that this early system will help them develop a more powerful version that could decode thoughts in real time to give people their voices back. Chang said, “We have a responsibility as scientists to restore that most fundamental human ability.”

On 25 July, a large asteroid (rocky objects that orbit the Sun) flew right past the Earth – and astronomers almost didn’t notice it. The asteroid, named 2019 OK, was between 53 and 130 metres wide.

If it had struck Earth, astronomers say it could have destroyed an area several miles across, although the chances of it striking a populated area would have been very small.

The asteroid might have whizzed by harmlessly, but it came within 45,360 miles of Earth – just one fifth of the distance from the Earth to the Moon. This near miss has led some people to wonder how well the systems to provide an early warning of asteroids are working. 2019 OK was eventually spotted by the SONESAR Observatory in Brazil only a few hours before it flew past Earth.

There are several reasons why the asteroid wasn’t spotted sooner. Firstly, although a 100-metre lump of rock sounds big, in space terms 2019 OK is actually rather small. Its surface is also dark, so it looks very faint, even through a powerful telescope. Moving unusually rapidly at 54,000 mph, the space rock headed towards Earth from the direction of the Sun. The Sun’s intense glare made it nearly impossible to see it ahead of time. To improve detection in the future, NASA is launching an asteroid-hunting satellite called the Near-Earth Object Camera in 2021.
Fun in the sun
Cooling off in hot weather at a water park in Hefei, in China’s Anhui Province.

Desert dessert
A chameleon catches a fly in the Namib Desert in southern Africa.

Water works
People celebrate Amsterdam Canal Pride Parade in the Netherlands.

Starry starry night
Ming’antu Observing Station in northern China.
Photos of the week

Vikings ahoy!
People re-enact a Viking invasion that happened 1,000 years ago in Galicia, northern Spain.

Panda to the audience
Six-week-old red panda cubs at an animal park in Hungary.
Running marathon (26.2 miles) is difficult, but imagine running more than twice that distance every day for nearly seven weeks. That’s what Ashprihanal Aalto did to win a long-distance running event called the Self-Transcendence 3,100 Mile Race. It is an annual competition in New York City, US, where runners have 52 days to complete the distance.

Participants had to run an average of 59.6 miles a day between 6am and midnight each day. The eight athletes who entered this year ran around a busy street course that was more than half a mile long. They had to do 5,649 laps of the course to reach the 3,100 miles target. Aalto, who is 48 and comes from Finland, finished the race in 47 days, one hour and 39 minutes. He started the race on 16 June and ran for an average of 65.8 miles a day, completing the event on 2 August.

The 3,100 Mile Race was first held in 1997. Aalto, who works as a postman in his home country, has now won it nine times, and has finished the event 15 times. In 2015, he set a record for finishing in 40 days, nine hours and six minutes, covering an average distance of nearly 77 miles each day.

On 2 August, British runner Sharon Gayter set a record for the fastest woman to run from John o’Groats to Land’s End. She finished the 822-mile run, from the most northern point in mainland Scotland to the far south-west of England, in just 12 days, 11 hours and six minutes. The previous record was more than four hours longer than that.

### Runner wins seven-week race

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### THE WEEK’S WINNERS...

**Mexico Homeless World Cup women’s and men’s teams**

At the Homeless World Cup football tournament in Cardiff, Mexico’s women’s and men’s teams took the top prizes on 3 August. In the finals, Mexico’s women beat Peru 6–0 and the men beat Chile 5–1. The first Homeless World Cup was held in 2003. Players in the annual contest have all been homeless at some point.

- The 2019 Homeless World Cup had about 500 players from 48 countries, including Brazil, England, France, Ireland, Scotland, the US and Wales.
- Teams had four players and games were 14 minutes long. If there was a draw, the match was decided on penalties.
- Mexico are the most successful nation in the competition, with 11 victories in the finals of the women’s and men’s events.
Book club

**BOOK OF THE WEEK**

**The Monster Who Wasn’t**

by T.C. Shelley

Down in the vast underground lair where monsters dwell, a very odd creature has come into being. Much to the disgust of those around him, the hatchling doesn’t look much like a monster at all. Instead he looks just like a human boy – and what’s more, he seems to have a heart and a soul. Soon “Imp” has been adopted by some grumpy gargoyles and taken to live on the roof of a cathedral, but with one foot in the monster realm and one in the human world, Imp doesn’t feel like he really fits in anywhere. As he tries to come to terms with his peculiar identity, little does he realise that Thunderguts, King of the Ogres, has a terrible plan in mind for him. Full of monsters, angels and mythical creatures, this quirky fantasy is an entertaining and exciting read.

**WIN!**

We’re giving away six copies of The Monster Who Wasn’t.

For a chance to win a copy, just send your name and address to competitions@theweekjunior.co.uk and put MONSTER in the subject line. Closing date: midnight on Friday 16 August. See the weekjunior.co.uk/terms for rules.

**ASK THE AUTHOR**

T.C. Shelley

The Monster Who Wasn’t writer on pet monsters and ditching the letter Z.

What would you do if you won the lottery?

I have won the lottery. I won 12 Australian dollars (about £7). I bought chocolate with it. If I won a huge amount of money, I think I would buy my husband a boat, or get a swimming pool.

What is one thing you’ve always wanted to do?

This will surprise you – I have always wanted to be a writer. Something I’d like to do that I haven’t done yet is to go hot-air balloononing.

If you could only use 25 out of the 26 letters of the alphabet, which letter would you get rid of?

I’d probably pick Z. Especially as I use British spelling, so words that Americans spell with a Z, like realize and analyze, have an S in them. Although I would definitely miss the words zoo and zebra.

What would you name your pet monster?

Well, it depends what type of monster it was, as different types have different names. Ogres need big thumping names like Gutmuster, and gargoyles have watery names like Gutter. If I had a pet monster, I hope it would be a gargyle. I’d call it Aquadu cx.

What would you do if you were a monster?

I really like Listen to the Moon by Michael Morpurgo. It is about a father and son who are out fishing when they find a young girl stranded on an island. She has no memory of who she is and she cannot speak. It’s a very exciting book. I recommend you read it because I loved it.

**READERS RECOMMEND**

PopJam user

**Listen to the Moon**

by Michael Morpurgo

“I really like Listen to the Moon by Michael Morpurgo. It is about a father and son who are out fishing when they find a young girl stranded on an island. She has no memory of who she is and she cannot speak. It’s a very exciting book. I recommend you read it because I loved it.”

**5 terrific time-travel stories**

Set off on an incredible journey through time and space with these great reads.

- **My Cousin Is a Time Traveller**
  by David Solomons
  (Nosy Crow)
  In the latest book from award-winning author David Solomons, young hero Luke must battle with time-hopping relatives – not to mention a toaster that is trying to take over the world! Could this be the rise of the machines? Fans of previous stories featuring Luke and his incredibly zany adventures will love this hilarious new instalment.

- **A Traveller in Time**
  by Alison Uttley
  (Puffin Books)
  When Penelope visits an old farmhouse she is unexpectedly whisked back into the past to the time of the Babington family, who are supporters of Mary, Queen of Scots. Soon she finds herself forced to watch helplessly as tragic historical events bring danger to her new friends and their imprisoned queen.

- **WARP: The Reluctant Assassin**
  by Eoin Colfer
  (Puffin Books)
  In the first book of an action-packed series we meet Riley, a Victorian orphan who has been hurled into the 21st century. Together with Chevie, the FBI’s youngest special agent, he’s on the run from Albert Garrick – a terrifying assassin for hire who is pursuing him through time.

- **Time Travelling with a Hamster**
  by Ross Welford
  (HarperCollins)
  On Al’s 12th birthday, he receives a letter giving him an important mission: to travel back to 1984 in a secret time machine to save his father’s life. Unfortunately, time travel isn’t easy, especially when you’re trying not to lose your pet hamster as you zip through the years gone by...

- **Five Children on the Western Front**
  by Kate Saunders
  (Faber & Faber)
  In this powerful sequel to the classic children’s book Five Children and It, it’s the eve of the First World War and the five children have grown up. Then the mysterious Psammead reappears and a magical time-travel adventure begins – but before it ends, their lives will have changed forever.

For further details about how we manage the data you provide can be found at www.dennis.co.uk/privacy-policy.

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Step into a world of imagination

Get creative at the Mega Maker Lab this month.

For the whole month of August, the Institute of Imagination is running the Mega Maker Lab in Lambeth, London. The Institute of Imagination is a charity that organises events to help young people develop their creative thinking. Mega Maker Lab is their biggest event yet, taking place in a huge warehouse. Inside, there are a range of activities to get you thinking creatively. It is located next to the Institute’s Imagination Lab, which is its dedicated space for workshops throughout the year.

The Mega Maker Lab comes from the minds of 100 primary school pupils from London, who were invited to the Imagination Lab for two days in April to help design it. The Lab is made up of five areas.

In the imagine and play zone, you can take part in building challenges, using materials such as Lego. The ideas zone is a place to get inspired and come up with your own inventions. The challenge zone is where you can try your hand at tasks such as robot building. In the test arena, you get to make something that can fly or move, using recycled materials, and put it to the test using the lab’s ramps and wind machines. Finally, there are opportunities to try out equipment such as drills and glue guns in the safety of the tool bar.

If you go to the Mega Maker Lab on a weekend, there is also the chance to take part in a one-hour masterclass with experts. These masterclasses explore topics ranging from virtual reality to stop-motion animation. There are also several “lab lift-off” camps – day-long science experiences for those aged from seven to 12.

To find out more and book tickets, visit ioi.london/whats-on

Mega Maker Masterclasses

Virtual Worlds
Step into another world and find out more about the technology behind virtual reality (tech that allows you to see inside and interact with a digital space, usually through the use of a headset). You’ll even be able to build your own virtual space, using a mobile app.

Animation Exploration
In stop-motion animation, you take a picture of a still object, move it slightly, take another picture and repeat. When you play back all the pictures in a sequence, it looks as if the object is moving. Find out about how it works and make your own film.

Make Some Noise
Explore the science of sound in the Make Some Noise masterclass. Working together with other visitors, you’ll get to create sound effects using fruit (yes, fruit!) and build your own instruments.

DID YOU KNOW?
The word imagination comes from the Latin word imaginari, which means to picture oneself.
A rare copy of *Harry Potter and the Philosopher’s Stone* has sold for £28,500 at auction. It was one of just 500 original copies from the first hard-back print run of the bestselling book. Of those copies, 300 had been sent to libraries, including the one that has just sold at the auction, which took place at Bishton Hall in Staffordshire.

It had been bought, along with a pile of other books costing £1 each, at a sale around 20 years ago, and its owner didn’t realise its value until they asked an auctioneer to come and value their old books. The *Harry Potter* book was bought by a private collector on 31 July – which is also the birthday of author J.K. Rowling and Harry Potter himself. There are two mistakes in the book that reveal it was made during the first print run, including the word philosopher, which is spelled “philosopher” on the back cover.

The seven *Harry Potter* books contain a total of 1,100,086 words.

**Potter book sells for £28,500**

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**The Week Junior launches new podcast**

Do you ever reach the final page of *The Week Junior* and wish you had more to enjoy? Do you wonder how each issue is put together? Do you want more information and facts about the week’s biggest stories? Then you’re in luck.

Launching this week is a brand new free podcast from *The Week Junior* team, called *The Week Junior Show*. Each Friday, listeners can enjoy a behind-the-scenes peek at how the magazine has been made, hear members of the team discuss the Big Debate, and challenge host Bex (from Fun Kids) to guess whether one of the weirdest stories of the week is real or rubbish.

*The Week Junior Show* is available from tinyurl.com/TWJshow-funkids to listen via the Fun Kids website.

Once you’ve listened to *The Week Junior Show*, why not send your thoughts to hello@theweekjunior.co.uk. The team would love to know what you enjoyed about it and what you’d like to be covered in the future.

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**Football Focus**

1pm on 10 August, BBC One

As the new Premier League season gets under way, so does the new series of *Football Focus*. Dan Walker and his guests look at the first matches and analyse the teams playing them, including champions Manchester City.

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**Athletics European Team Championships 2019**

2.30pm on 10 August and 1.30pm on 11 August, BBC Two

Great Britain will be one of 12 nations taking part in Poland as some of Europe’s top athletes compete to score points for their home countries. Germany were the winners in 2017.

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**Playmobil: The Movie**

Showing at cinemas nationwide

Siblings Marla and Charlie are caught up in a whirlwind tour of different Playmobil worlds in this new comedy animation based on the popular toy range. It’s packed with dinosaurs, pirates, Romans, spies and Vikings – there really is something for everyone.

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**The Week Junior**

*NEW ISSUE OUT NOW*
On screen

SuperAwesome, which tracks trends in what young people do on their phones, first spotted gacha apps becoming popular earlier this year—along with gacha-themed videos on YouTube. Gacha apps usually have you randomly pick items to use in the game, like using a vending machine.

Gacha Life is a typical example: the app gets people to start by creating a character in the style of Japanese cartoons. These characters can be used to play mini-games, or to create comic strip stories.

Some of these mini movies have got millions of views on YouTube, with singing battles particularly popular.

The latest mobile-apps craze has an unusual inspiration: vending-machines in Japan where people turn a handle and receive a capsule with a random cute character or toy inside. Those "gashapon" or "gacha" toys have already inspired the developers of mobile games such as Crossy Road, which has a virtual gacha vending machine from which players can buy new characters.

Now there's a group of gacha apps, including Gacha Life, Gachaverse and Gacha Studio—all made by the same company—that have made a splash on the Android and iPhone app stores. British company

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What's the verdict?
The Week Junior's apps expert Stuart Dredge gives his thoughts on gacha apps.

- Making your own characters and dressing them up is very creative.
- The apps are good fun for creating stories and sharing them.
- Gacha apps can look very complicated when you start.
- Some try harder than others to persuade you to spend money.

Gacha apps usually have mini games to play.

Making your own characters and dressing them up is very creative.

Creating stories and sharing them is good fun.

Some apps can be complicated when you start.

Others try harder than others to persuade you to spend money.

What you need to know

The popular gacha apps are all free to download and use, but they make their money partly by showing advertisements within the apps, and partly through in-app purchases of gems and other virtual money to spend on items. Always remember: these purchases are optional, and if you ever feel as if an app is putting pressure on you to spend money, it's a good sign that you should delete it and try a different one.

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The word gashapon comes from the sounds of pulling a vending machine's handle ("gasha") and the item landing in the machine's tray ("pon").

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The recent celebrations of the 50th anniversary of the Apollo 11 space mission may be over, but there are still ways to relive the famous Moon landing and learn more about it.

One of them is a mobile app called Moon Walk – Apollo 11 Mission, which was recently released for Android and iPhone smartphones. It’s another app that uses AR technology, in this case to make your real-world surroundings a replica of the Moon’s surface, as it would have been experienced by astronauts Neil Armstrong and Buzz Aldrin, the first two people ever to set foot on the Moon. The app also uses the real recordings of the astronauts’ conversations during the Apollo 11 mission, as they took their small steps (or giant leaps) on the Moon.

The app is free to download and try, but uses in-app purchases to unlock the different layers of its AR app: so make sure you check with an adult if you want to spend any money.

If you’re interested in plants, whether they’re in your garden or a nearby park, wood, field or your school, there’s now an app that can help you tell your moth orchids from your cornstalks.

The app is called Candide Labels – Plant ID, and it uses augmented reality (AR) to help you identify any plants you don’t know. AR is the technology that shows you digital information (plant info in this case) on your camera’s view of the real world. The app also lets people create virtual labels, filled with information about the plant and how to look after it. Once created, they’ll appear whenever the person points the app at that plant again.

It’s not the only example of AR technology being put to green-fingered use. A French company called Connected Garden has shown off a sensor that is planted in a garden, which then uses an AR app to show users where and when they need to water, plant or weed. An app called Yard uses AR technology to help people to design their dream gardens.

If the recent Horrible Histories film has fired up your enthusiasm for the not-always rotten Romans, this website offers stacks of info—with ancient Greece, China, Japan and other countries included. Browse maps, scan timelines and read about topics ranging from cookery to warfare.

What really happens when you blow your nose? Dr Chris and Dr Xand, the stars of the CBBC show Operation Ouch!, have built a “giant noseblowing machine” to explain—complete with fake snot.

Ancient.eu
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IMPROVE YOUR YOUTUBE SKILLS
The plus and minus symbols are good for more than just maths: use them to filter YouTube searches. Searching for “donald -trump” will find videos without the US president, for example, and “donald +duck” will focus on videos of Disney’s famous cartoon character.

Secrets & Hacks
I
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Take your phone on a Moon walk
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Polo is a sport played on horses and often watched by royals, so it may seem difficult or daunting to get involved. Don’t be fooled, though; it’s easy to understand and fun to play.

Polo is one of the oldest sports in the world. A version of it was played in Asia more than 7,000 years ago, and it was used to train horses and soldiers for battles.

Matches are played between two teams of four players on horses, which are known as polo ponies. The field can be a maximum of 274 metres by 150 metres, which is around four times the size of a normal football pitch.

The aim is to ride and hit the ball with a long mallet (hammer) into the other team’s goal. Players can only swing the mallet with their right hand. An important rule is that you’re not allowed to block the path of the player hitting the ball. Fouls and penalties can be awarded by the umpire.

A normal game is played in four to six periods, called chukkas, which last for seven minutes each. Players often change ponies between chukkas to make sure the animals don’t get too tired.

Outdoor polo matches are usually played in spring and summer. During the colder winter months, indoor polo is played in an enclosed arena. This version of the game has a smaller field than usual and features three players on each team instead of four.

So if you like the sound of an sport featuring ponies, speed and tactics, try to see a match this summer.
How to...

Make your own food wraps

What you need
- Bag of beeswax beads (you can buy these online)
- 100% cotton fabric (reuse an old bedsheet, or anything that is the same sort of thickness, just make sure it is clean)
- Scissors
- Greaseproof paper
- Baking sheet (a flat baking tray)
- Brush (any sort but it must be clean)

Instructions
First, preheat the oven to about 90ºC. Then cut the fabric to the size you want. Make sure it is big enough to wrap around what you want to protect. Tear off a piece of greaseproof paper slightly larger than your piece of fabric. Lay the greaseproof paper on the baking sheet and place the fabric on top of the greaseproof paper. Next, sprinkle the fabric with beeswax beads. The beads should cover the fabric once melted. A sheet that’s 20 centimetres square will need about 15 grams of wax beads. Put into the oven and leave for five minutes or until the wax melts. Take it out of the oven and brush the wax to make sure it completely covers the fabric to the very edges. Leave the wrap to cool, then hang it up to dry. It is now ready to use, but don’t use it to wrap raw fish or meat. You can wash the wrap with cold or warm water and a little laundry liquid. Squeeze it out and hang it up to dry somewhere not too hot. Do not use a tumble drier!

WARNING!
Be careful when using a hot oven. Ask an adult to help you.

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Small steps can make a big difference

Plastic is everywhere, but reducing plastic pollution is easier than you think. In just two minutes you can make a real difference. A new book, Kids Fight Plastic, written by the founder of the #2minutebeachclean, has 50 practical missions to help get you started.

How to be a two-minute superhero at home

- Make your house a plastic bag-free zone. Give each member of your family a cloth bag which they can use instead.
- Buy a bamboo toothbrush. Some supermarkets sell them or you can buy them online. Unlike plastic ones, these can be recycled once they get too old.
- When buying toilet paper, try to find a pack that comes wrapped in paper instead of plastic.

DID YOU KNOW!
Bamboo is the fastest growing plant on Earth. Some species of the plant can grow up to 91 centimetres a day.
GET INVOLVED

RBC Race for the Kids 2019

The 10th anniversary of the RBC Race for the Kids is happening on 12 October in Hyde Park, London. The course involves a five-kilometre race followed by a family fun day. All money raised from the event goes to support children at Great Ormond Street Hospital. Anyone under 15 can enter for free and adult tickets cost £21.50. Racers will receive an official shirt when they enter, and a medal and goody bag when they finish the run. You and your family can sign up at tinyurl.com/TWJracekids

JOIN THE WEEK JUNIOR SHOW

Every Friday, The Week Junior Show will discuss some of the week’s biggest stories, taking a peek behind the headlines to bring you some of the information we couldn’t squeeze in the magazine.

Email your news, views and pictures to hello@theweekjunior.co.uk
YOUR PHOTOS
We’d love to see your snaps. Send them to us at hello@theweekjunior.co.uk
Don’t forget to tell us why you took them!

“We spread out all our The Week Juniors on our carpet to see how many we had! We are looking forward to messing them up!”
Daniel and Gabriella

“In the village where I live, called Marden in Kent, there was a proposal to build 2,000 new houses. We have formed a group called Save Marden.”
Charlotte

“We started making the mango lassi recipe but then realised we did not have any mangoes, so we made it with raspberries and strawberries instead!”
Sophia, Lara and Lottie

Teacher of the Week
Teacher’s name: Miss Herbert
School: Lydiard Millicent CE Primary School, Swindon

“I would like to nominate my amazing teacher Miss Herbert as Teacher of the Week. This is because Miss Herbert is a fantastic teacher who floods the classroom with happiness and laughter every day. Miss Herbert has a huge passion for reading and has turned our school library into something magical.”
Jaya

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

Puzzles page answers
Keyword: marmalade
Code riddles: Tokyo, Moscow, Cairo

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


Please ensure you include your full name and address so that we can send you one of our Roving Reporter badges if your contribution makes it onto the page. We will only use the details you provide to arrange delivery of badges, and we will not share them with anyone else. By submitting your reports and pictures, you give consent to The Week Junior to print them in the magazine and digital editions. Please get your parent/guardian’s permission before sending anything to us.

On to you

Follow The Week Junior on PopJam @TheWeekJunior.
You can download the free PopJam app from the App Store or Google Play.
Palaeontologists in France discovered a two-metre-long dinosaur bone. Here’s what our PopJammers had to say about it...

“Wooah!! That is so big and probably pretty old”

“It must have been huge! I would have loved to have been one of the scientists who got to see it!”

“Cooooool, that is giant”

“Woooah!! That is so big and probably pretty old”

“Yes, as it is polluting our planet with all the fumes used”

“I’m going on holiday but I’m going on a boat rather than a plane”

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

10 August 2019 • The Week Junior
Keyword crossword

Once you have completed the crossword, use the letters in the yellow boxes to spell out another word. Write the keyword in the boxes below the clues.

Across
3 Entertainment (5)
5 Try to do something (7)
6 Deceive (5)
8 Put your clothes on (5)
10 Period of 100 years (7)
12 Inspect or look at (7)
13 Play; literary genre (5)
15 Rub hard in order to clean (5)
16 Gained knowledge at school (7)
17 Name of a book (5)

Down
1 People who look after plants (9)
2 Disorder; shambles (4)
3 Was present at or took part in (8)
4 One of a kind (6)
7 Electronic musical instruments (9)
9 Write quickly and untidily (8)
11 Orange vegetable (6)
14 Uncommon (4)

Keyword clue: It’s tasty on toast.

Code riddles

Read this very carefully! These capital cities have had each letter replaced by the letter before it in the alphabet, so B becomes A, C becomes B and so on. Can you break the code?

UPLZP =
NPTDPX =
DBJSP =

Sudoku

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

Number tower

Put a number in each square to complete the tower. The correct value is the sum of the numbers in the two squares directly below it.

Spot the difference

These two pictures of recycling bins appear to be the same, but take a closer look. There are actually five differences. Can you spot them?
**That’s unbelievable!**

**Man and donkey duet**
A video of a man singing the song *The Circle of Life* from *The Lion King* with a donkey has gone viral online, attracting more than one million views. The video was posted on 25 July by Travis Kinley from South Carolina, in the US. Kinley went outside to sing the song next to some of the animals he owns, and was shocked when his donkey, called Nathan, joined in. Kinley said that he was “blown away” by Nathan’s incredible musical talents.

**New world thumb-wrestling champion**
On 27–28 July, the Thumb Wrestling World Championships took place in Norfolk, UK. The battles are fought out on miniature wooden wrestling rings, with two holes for the opposing thumbs. This was the 11th year of the contest, and eight children and 24 adults took part. Janet Coleman won the women’s title, and her son-in-law Paul Browse won the men’s title. Strong thumbs clearly run in the family: Coleman’s daughter won last year.

**Christmas comes 149 days early for London shop**
The London department store Selfridges has opened its Christmas section 149 days before 25 December. The shop opens its festive section early every year, but 2019’s opening day arrived two days earlier than last year. Selfridges says that it is the first shop in the world to have opened a dedicated Christmas section this year. Items on sale include a £100 figurine of Santa doing yoga (a type of exercise) and a Christmas tree that costs £2,000.

**Volcano goes on sale in UK**
If you’ve got any spare cash lying around, you might be interested to hear that a volcano in Devon, in the UK, is being sold for £50,000. It’s the perfect location for a supervillain hideout, although it is no longer active, so whoever buys it won’t need to worry about hot lava flows. Known as Posbury Clump, the volcano is in a beautiful part of the countryside. It is surrounded by woodland, which is included in the sale, and the volcanic rock has been used in the construction of local buildings, including a church and a manor. So do you think this hot property is really for sale, or are we making it up?*

**Humpback whale nearly swallows sea lion**
A shocking photo has captured the moment a humpback whale almost ate a sea lion whole. It was taken on 22 July in Monterey Bay, California, in the US, by wildlife photographer Chase Dekker. The humpback whale hunts with its mouth open, scooping up small sea creatures as it swims. Sea lions, which weigh around 180 kilograms, are usually able to avoid them. On this occasion, the sea lion didn’t move quickly enough. Luckily, the humpback whale’s throat is quite narrow, so the sea lion was able to escape. Dekker said the photo is the first ever to show a humpback whale nearly swallowing an entire sea lion.

**Real or Rubbish?**

**Volcano goes on sale in UK**

*The Devon volcano won’t erupt like this.*

**DID YOU KNOW?**
A group of sea lions in the water is called a raft; on land it’s called a colony. During breeding season, the term rookery can be used.

**Humpback whale nearly swallows sea lion**

*The lucky sea lion survived.*

**Man and donkey duet**

*Nathan easily upstaged Travis.*

**Real or Rubbish?**

*That’s unbelievable!*

**Volcano goes on sale in UK**

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**Real or Rubbish?**

*That’s unbelievable!*
Quiz of the week

How much of this week’s news can you remember?

1 What is the name of the French inventor who crossed the Channel on a flyboard?

2 True or false? A report has found that most of England’s rivers are too dirty to swim in.

3 Fans in South Korea are upset because they didn’t get to see which of these players in a football match?
a) Lionel Messi  b) Cristiano Ronaldo  c) Harry Kane

4 Where was the first Fortnite World Cup held?

5 True or false? Iain Cameron keeps track of how fast snow in Scotland has melted.

6 The population of which animal in India has risen by a third since 2014?

7 In which city did the Peterloo massacre take place?
a) London  b) Manchester  c) Newcastle

8 True or false? Scientists have developed software that can tell what somebody wants to say by looking at their brain signals.

9 Which event that took place 1,000 years ago was recreated in Galicia, Spain?

10 Which country won both the men’s and women’s Homeless World Cups?
a) Wales  b) England  c) Mexico

11 Who wrote The Monster Who Wasn’t?

12 Which of the following is not a Mega Maker Lab Masterclass?
a) Make Some Noise  b) Virtual Worlds  c) Jungle Exploration

13 True or false? Saturn visited the most powerful rocket ever built.

14 Which country are the current polo world champions?

15 A man filmed himself and his donkey singing which song from The Lion King?
a) Can You Feel the Love Tonight?  b) Hakuna Matata  c) The Circle of Life

ANSWERS CAN BE FOUND ON PAGE 27

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You don’t know it exists. But when you have nowhere else to turn, The Haven will find you.

“This book is going to be big.”
Bella, age 11, LoveReading4Kids

“I would recommend it to fans of Alex Rider and Percy Jackson.”
Freddie, age 11, LoveReading4Kids


Watch the trailer at bit.ly/haventrailer