Kindergartners Are World Travelers

By Adina ’23

As many global winter holidays roll around, Mrs. Gudmestad’s kindergarten class has been very busy discovering some of the diverse holiday traditions of the world! From trying gold chocolate coins, called gelt in Israel, for Hanukkah; to making candle crowns in Sweden for St. Lucia’s Day; to observing Christmas in Mexico, Germany, and the Netherlands, Mrs. Gudmestad has found a fun and interesting way to engage the kids.

I had the pleasure of shadowing their class while they began to explore the Netherlands during Christmas time. Having been at Woodlawn for quite some time, as well, I was once taught in this classroom, and it brought me back to my earlier days of sitting on the same carpet and participating in many entertaining projects which are part of the curriculum.

To begin their European adventure, they took some notes about the customs. Some of the information they learned was the main tradition of Dutch kids leaving their shoes out, similar to the American tradition of stockings, and waking up to toys and treats inside! They filled out interactive worksheets and repeated keywords such as Sinterklaas, Netherlands’ own version of the United States’ Santa Claus. Furthermore, to fully immerse themselves in their activity, the kindergartners created and packed up mini suitcases and passports to verify their exciting trip. Along with the use of Google World and flight simulations, they mock flew their plane and explored the new landscape surrounding them.

Simultaneously, they of course snacked on international treats like Dutch cookies and gingerbread.

Overall, the kindergartners have found a very exciting and innovative way to learn about new cultures. In addition, they have incorporated service into their learning and partnered with the Ronald McDonald House. To contribute, they are hosting a juice drive and creating sock snowmen so that many other little kids can enjoy and be more comfortable during this gifting season.

First Grade Travels 1st Class

By Joshua ’27

Our 1st graders are world travelers! Or are they? Well, sort of...they have traveled around the world in their classroom virtually. They have gone to Mexico, Germany, Sweden, Israel, The Netherlands, and Canada. They have created luggage that is filled with flags from the countries they visit along with their passports, plane tickets, a journal on the places they visit, and a craft that is special to that country’s culture.

The reason they are doing this is for the month of December and everyone knows what holiday is in December, Christmas! Well not everyone celebrates Christmas though. That is why our first graders are visiting countries to discover how they celebrate Christmas.

They have learned that in Israel they celebrate Hanukkah. Luke says “Hanukkah is a holiday you celebrate when you are Jewish and play a game like a dreidel.” They have learned that holidays are a big part of the culture and can help you learn a lot about people and their traditions.

This is not all first grade has done. Our first graders are also pros on taking care of animals. The Davis family was kind enough to show our first graders their dog. They learned all about how to take care of animals with a dog named Blu. Blu is a therapy dog and is nice to the children and is ‘big and fluffy’ the first graders say.

The month of December was crazy for first grade. 1st grade has had lots of fun exploring countries, celebrating holidays, riding airplanes, learning about flights, making items or toys from each country, and learning about how to take care of animals.

What a wild ride the first grade has had and such a great trimester!
Meet the Blazer Bureau Winter Staff

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Dani ’28 - News and Travel
Payton ’28 - Features
Sarah ’28 - Features

Front row from left: Lucia ’26, Matthew ’25, Joshua ’27, Payton ’28, Abby ’28, Amour ’27, Sarah ’28,
Back Row from left: Andrew ’26, Adina ’23, Claire ’26, Dani ’28, Jackson ’27, Antonio ’27, Woody ’27.
Way, way in the back: Mr. Miller (faculty advisor)
Not pictured: Abby ’25, Soren ’26

Claire’s Calendar
By Claire ’26

STEAMfest 2022 Live
April 3rd, 1-5pm

Woodlawn is presenting STEAMfest once again! Unlike last year during COVID, this year’s fest will offer both live in-person events as well as a virtual option. There will be over 50 fun and engaging hands-on activities centered around Science, Technology, Engineering, Arts, and Mathematics. There are also 100 online activities.

What’s the Deal with NFT’s?
By Matthew ’25

What is with NFT’s? Like most people, I don’t understand much about the concept, such as the fact that I don’t even know what NFT stands for. I want to know more, which inspired me to research more. All I knew was that NFT’s are something online that can’t exist in real life, but are sold for real money. It sounded like a really good idea to get to know. Now, time to get started!

I was inspired to do more research about this after I made a GIF in my free time and my classmate said, “You could sell that for like $200 online as an NFT!” I had no idea what he meant by “NFT,” but when I asked him, nothing he said made any sense. I was also inspired to learn more simply by hearing about it a lot, but the main reason is because the idea was added to a game I’ve been playing recently called Krunker. I will be using the game to find out more for the majority of my research project. At first, I was confused with the new Krunker update. Let me explain.

In the game, every item has a category with a corresponding color that shows how rare and valuable the item is. They are each named something like uncommon, rare, epic. There have always been seven levels, but if logged in once to see a new category: NFT.

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Trivia
By Antonio ’27

1) How many people have walked on the moon?
2) Which American president is in the Wrestling Hall of Fame?
3) What is the only continent without an active volcano?
4) Which country contains both the highest and lowest points of elevation in South America?
5) What are the only three countries that don’t use the metric system?
6) What is the most common eye color in humans?
7) What is the hardest known natural material?
8) What is the national animal of Scotland?
(Answers at bottom of page)

Featured Woodlawn Pet
By Dani ’28

Woodlawn Summer Camps
June 13th - August 5th

Registration is open for Woodlawn Summer Camps 2022! This year features an extensive list of fun, exciting, and sometimes even educational camps for kids of all ages. There are so many exciting options from Outdoor Student Leadership for older kids to LEGO Robotics to Sea Adventures and so much more. My personal favorite is Grossology! Registration is open for Session 1 until June 3rd and July 1st for Session 2.

Our featured pet this issue is Ollie! Ollie was adopted in July 2019. Ollie is the Taaffe family’s dog. Ollie is 2 years old and he turns three on May 12. His breed is English Cream Retriever.
Ollie enjoys playing with his favorite stuffed bear toy. Ollie loves ice cubes and is good at catching them in midair. Ollie has a problem with deer. He will bark at them when they get too close to the fence. Ollie loves attention, and if he doesn’t get it he will look at you weirdly. Overall Ollie is an adorable goofball!

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Varsity Boys Basketball Takes on the Challenge

By Zach '24

While it was a challenging year for the varsity boys basketball team, in the end it became a year of growth and bonding. None of the players had played on the varsity level before, so it set up a challenging road ahead. Despite the hard season ahead the team went into the season ready to take on the challenge. The team got off to a rough start and their lack of experience showed, however, even when the score was down they continued to fight and play their hardest.

Russell '25 led the team as a co-captain, while scoring the highest points, and took home the MVP award. All the players had talent to contribute and it was always a team effort. Matt '25 and Matthew '24 made threes and Noah '25 made unexpected mid range shots. Zach '24 and Quentin '23 got rebounds while Ben '26 was able play tough defense.

Coach Tony and Coach Kyle took on the challenge of coaching both the boys and girls basketball teams. It was each coaches first time coaching basketball and they both were able to jump in and help the young players improve. They always encouraged the team and always had new plays ready to go for the team.

Middle School Boys Basketball

By Abby '28 and Dani '28

Woodlawn’s middle school boys basketball team has worked really hard for what they have accomplished! They fought hard all season and showed significant growth.

"Do or do not. There is no try." - Coach Kyle (and Yoda)

During practice, the team enjoys scrimmaging and our team captains, Braden and Reese, are supportive leaders who help the team improve. Coach Kyle and Coach Robinson are knowledgeable and contribute greatly to the positivity and growth of the boys basketball team. All the boys on the team really enjoy the coaches’ teachings.

Swim Team Makes a Splash

By Libby '24

While the swim team was smaller this year they made a lot of great memories. There were many people new to swimming, which left space for a lot of development and growth. They were only 3 meets. However, they made great progress. Violet '25 joined the team knowing almost nothing, to become a strong swimmer. She joined having no idea what to do, but she swam the 50 freestyle and 100 breaststrokes.

Kami '26, competed in the State Finals this year. She swam in the 50 and 100 freestyle representing Woodlawn. Kami placed first in her heat and top 40 in the state.

The swim team had a tough season this year, but are excited about next season. They worked hard to become stronger swimmers and hope to continue. Hopefully, in the future, they will have more teammates next year.

The team members where Violet '25, Analiese '25, Jayden '23, Kate '25, Kami '26, Carly '26. Their coach was Paul Ronccone.

Middle School Girls Basketball

By Libby '24 and Zach '24

The middle school girls basketball faced many challenges and obstacles this season. Almost of the girls were brand new to the sport. However, despite the lack of experience the girls took on the challenge and gave it their all in practice. The girls didn’t have a game until much later in the season and they faced a hard team. They sadly lost the game by a large margin, but it did not deter the spirits of the players. Their second game the girls showed much better skill and seemed to have learned from most of their mistakes from the game before. Their final game it was back and forth and went down to the wire. The girls ended up just barely losing 20-14. They showed growth and improvement from their difficult first game. Coach Kyle and Coach Toney both coached the girls and gave the girls a love of basketball. The girls continue to play basketball to this day in some basketball camps (set up by Coach Toney) and the future appears to be very bright for this young team.
2nd Grade Says: Watch out Hershey's!

By Lucia '26

Watch out Hershey's! The 2nd graders are coming for the chocolate industry with their homemade chocolate! Of course they have also been learning about math, science and reading, but they also have been learning about something more important, the process of making chocolate!

Most years, the 2nd grade class travels to the Davidson Chocolate Company located on Griffith St. in front of Davidson Day. Due to COVID-19, the 2nd graders this year had to find a different way to experience. They participated in a virtual field trip with the owner showing them around and explaining the chocolate making process at her shop.

Then on the week of December 5th, all of the 2nd grade students got a chance to create their own chocolate production. The chocolate was first melted by their teacher, Mrs. Carlson, and then poured into a previously disinfected chocolate mold. The 2nd graders then decorated their own mold and helped pour in the chocolate.

While they waited for the chocolate to cool and harden in the mold, each student created their own chocolate wrapper for their delicious treat. The 2nd graders then got to take their new desert home to eat and enjoy. Yum!

It's a 3rd Grade World: We Just Live In It

By Antonio '27 and Jackson '27

In Mr. Roper's 3rd grade they do things differently. Mr. Roper has created an alternate economy in the classroom that the 3rd graders 'live' in. In the beginning of every month their desks will be taxed like real estate and they will have to pay their taxes with their currency being pencils. Where do they get the 'money'? Well, they get their money by doing jobs like sharpening pencils, cleaning the desks, cleaning the whiteboard, and other services. This game teaches them how to be responsible, not wasteful, and to work for the things they have.

Earlier in the first trimester, the third graders were learning about Jamestown. Lachlyn Howard said 'I liked writing about Jamestown because we had to hunt their own food like deer and other animals.' They have learned about John Smith, Pocahontas, and the history of the settlers. They also learned how to write with a feather and ink and learned how to candle dip. Now they are heading west! They will also be learning about the Gold Rush that happened in California.

Go west third graders! The 3rd grade class is going to study the westward expansion, and to make the subject even more fun they will be playing parts in their given scenarios in the game Oregon Trail. The third graders are learning new and interesting things every day in their fun, hands-on learning environment. These third graders are just starting to learn about their world!

4th Grade Lends a Hand

By Payton '28 and Abby '28

The 4th graders sure have a lot of stuff they're currently working on! For one, they have amazing writing skills, something we noticed after only a few minutes of being in their classroom! Putting these skills to work, they are currently working on an exciting service project of creating children's books for a preschool in Davidson, NC called La Escuelita. This preschool is for kids ages 3-4 who are native Spanish speakers. With the help of our 4th graders, they are learning English.

Blazer Bureau reporters, Payton '28 and Abby '28, had the opportunity to interview the 4th grade class. Here's what one 4th grader, Carmella, had to say, 'I love writing and I'm excited about the children's books.' Besides their books, they are also learning many other subjects. In math, they are learning about fractions and decimals as well as decimals.

5th Grade is All Over the Place

By Sarah '28

What is happening in 5th grade? These kids are all over the place! On a recent visit to the 5th grade classroom, this reporter saw these amazing kids doing all sorts of fun things!

In science they are making posters about the layers of the Earth. In math they are making candy shops, and in art they are counting how much candy they have. They presented their shops on December 17th!

In LA/SS they are working on coloring the flags of the US and labeling each state. In art they are making clay for sculptures. In Spanish they are learning all the states in Mexico.

Lower school is also making a newspaper as well! (copied cats lol)

They are going to be talking about the lost and found bin, posting updates, and dates for project shares and other events! Many 5th graders have many different interests and favorite classes. Susana says, 'I like LA/SS!' While Maddie says, 'Art is the best! I love making art!'

Will and Abby like LA/SS as well, saying that they like writing and history, while Harper likes science.

The 5th graders are very fun! They have many interesting things to say about school work and classes! I'm glad I got to interview them this past week!
La Escuelaflita

By Abbey '25

The freshman class and preschoolers, who knew how that would end! The freshman class at Woodlaw School has had a new amazing opportunity to visit and play with the kids at La Escuelita. La Escuelita is a small bilingual preschool in downtown Davidson. The 9th grade class has visited the kids several times and everyone had a blast. The first time they went they had fun on the play-ground and the sand box. The ninth graders took their second trip to La Escuelita and yet again they all had a blast.

“When you guys come, the teachers are chopper lived,” said Miss Shaw, the teacher the 9th graders met with on their first trip. The 9th graders can’t wait to learn something from the freshmen to give them a better life for one. One of the fan favorites at La Escuelita is a boy named Arthur. The first time the class went Arthur was wearing his Spiderman sweatshirt. “I want to be Spiderman, because I want to help people,” Arthur told the Blazer Bureau.

Reynal’s Rundown

by Lucia '26

ALERT: Monster Fish Found Dead on a Beach in California

On November 13th, a man in California found an odd fish laying on the beach. As he walked closer to the animal, he found that this was no ordinary creature. This creature was a rare an-glerfish. This fish lives in the ocean at depths of 2,000 to 3,000 feet. These anglerfish not only have a scary appearance, they also have needle- sharp teeth, can grow over 3 feet long and weigh up to 110 pounds. Along with this, these sea monsters are incredibly rare, the last time a member of its species was spotted was in 2001.

Wool is the New Plastic!

New Zealand is a country with MANY sheep. There are more sheep than people! This country has so much wool thanks to the amount of sheep. There are an estimated 1 million tons of strong wool stored away without a use.

To try and reduce the use of plas-tic, Lin Williams and her com-pany Shear Edge want to use this strong wool instead. Williams in-vented a way for the wool to be made stronger and a way for it to be still processed by existing plastic-forming machinery. These wool pellets are 100% recyclable.

CONTINUED FROM PAGE 2

All items in the game (Except for NFTs) can be earned from spinning a wheel, but there were no NFTs for sale. I said to myself, “I can’t get one from a spin, and I can’t buy one on the marketplace, how can I even get one?”

I then found that my favorite Krunker youtuber had posted a video about Krunker NFTs. He explained the basic concept, and it was really helpful. I still didn’t understand the category within the game, but it seems that the NFTs are available for purchase in an online marketplace called OpenSea.

Obviously, some safety mea-sures had to be put in place. For example, just to list something on OpenSea, you have to buy a NFT, which you need a cryptocurrency wallet for. You have to be 18 to sign up for a cryptocurrency wallet.

As for the NFTs themselves, they include something selling an expen-sive item for $100 and not realizing that they are getting ripped off. Krunker is also not responsible for any of the above situations.

I finally found out exactly what NFTs are by going on OpenSea and searching up “Krunker.” The first results I saw were items that were outlined in pink, a sign that they were clearly NFTs. Most of them were listed for about 1.00 Ethereum, or approximately $4,000. These items can only be obtained through OpenSea. They can’t be listed on the Krunker marketplace. They also can’t be traded between players for other valuable items. Basically, you can’t get this item unless you pay a huge price in Ethereum.

So now it was time for me to do more research on what an NFT is outside of Krunker.

NFT stands for non-fungible token. It can be artwork, videos, or something in a game. Even though the idea has been around since 2014, it suddenly became huge around late 2021. Some items can sell for thousands or even millions of dollars. You may be thinking at this point that this is a lot like a new type of digital currency. This is not the case. A currency has a fixed value. If you gave someone a dollar and then gave you a different dollar back, neither of you would really care, because it’s the same cur-rency and it all has the same value. On the other hand, an NFT is more like an artifact. “Fungible” in NFT means unique or inca-pable of being mass produced. There can only ever be one origi-nal, even if it can be screen-shot. I compare this to a painting. There is only one Mona Lisa, and it can be sold to different people.

The public can still see it and take pictures of it, but this isn’t repli-cating the original, it just spreads the word.

As an investment, the idea is overall pretty good. Some NFTs are just in the middle made to get money for something that’s worthless and would take 2 sec-onds to make. However, there are some people that will buy anything for several hundred dollars, even if it’s basically worthless. However, most people make a huge profit off of the idea because it’s really easy to sell something online, but then selling one specific thing, it doesn’t matter if the offer appeals to the majority of people. As long as one person is willing to buy it, it’s as good as sold. The online world has tons of people on it. Thousands of people would probably see your offer and surely at least one person would be interested in buying the NFT. Imagine you make a painting and you want to sell it, but you can’t use the internet at all. Since it’s not an NFT, you can’t use OpenSea, and Amazon or Ebay are against the rules. Step outside and try to sell something in the real world. It would be unexpect-edly hard, because you don’t have as much publicity. Now, in contrast, you can upload several hours photoshopping a picture. You could sell it on a site like OpenSea much more easily. Overall, it would be much easier to sell something online than in person, unless you already owned a successful, popular store.

This project was really fun and I’m excited to possibly get into NFTs when I’m 18. It really helped me understand more about this mysterious rarity that appeared within Krunker. I definitely still need to do more research, but this project helped a ton.
Amoun Shines Light on Food

By Amoun '27

Barcelona Burger and the "Young Adult" Menu

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<th>Overall:</th>
<th>My favorite place</th>
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<tr>
<td>Food:</td>
<td>Awesome burgers</td>
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<tr>
<td>Service:</td>
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Hello readers! My name is Amoun, and I love food! Breakfast and lunch and dinner and snack and dessert and midnight snack and KETCHUP! So naturally I'm the food critic. I don't like to have the same FOV as adult food critics (boring!) I like to make things interesting. Let me give you an example. You probably already know how normal people rate things with stars but I rate things with colors (they're delicious obviously). Also you will soon learn that I have an obsession with types of ketchup. Like, seriously people. I've tasted lumpy, salty, sweetish-tasting ketchup. It is not that hard just to get Heinz! I hope you enjoy my reviews.

Every kid loves a good burger and the best place to get one of those is at Barcelona Burger. It is located on Main Street in Mooresville by another great restaurant called Alimos Pizzeria. On the inside it's big, and I mean HUGE, so there are soccer balls hanging from the ceiling to stop the echo. One of the best parts is that on every wall there are big flat screen TVs and they always have a sports game on.

As for the food, they have a double sided menu filled with burgers, fries, and salads and then there’s the "Kids Menu". No kid on Earth wants to order off the "Kids Menu" (tough!), but Barcelona Burger is different (for the purpose of this article and my sanity we are going to call it the Young Adult Menu from now on). At Barcelona the Young Adult Menu is memorable! It has all the same size burgers (cause we're hungry too) but they don't have any of the lettuce, tomato, pickles, etc. (you know, that disgusting healthy stuff) and those "secret sauces" that are really just two sauces mixed together (my stomach is turning just writing about them). There is just a bun, a patty, some cheese, and of course, KETCHUP, the real secret sauce! They have those condiment bars that are all Heinz products! My real cup of Lemonade.

As for the burgers... just let say that every time I leave I have to change my shirt. The cheese is so perfectly melted and gooey but it’s not chewy yellow rubber like McDonalds or whatever. And the actual meat is not too thick but not too thin, it’s not overwhelming, like that feeling you get after eating too much mashed potatoes on Thanksgiving (bluhhh!). The buns on the young adult menu are made with Hawaiian bread so it’s sweet bread that isn’t glazed. On the side with almost every burger there are fries. Yes, just yes! I swear they are the most delicious deep fried potatoes I have ever tasted. On top of some of the burgers they have those little olives on a stick. OK, olives are totally gross, but they do look cute.

At Barcelona burger even the soda machines are exciting. And they aren’t regular soda machines. No, No, my fellow soda connoisseurs. These are the top-of-the-line, #1, Best Of All Time, Mid-Town Soda Machines. They have touch screens with all the good sodas, and they have lemonade and juices and stuff. My favorite part about them is that you can mix the flavors and sodas. I sometimes mix Sprite and Lemonade because it’s like sparkling lemonade and it’s toothsome (I used a thesaurus, so, yes, that is the right word).

Barcelona burger is one of the best restaurants on the planet! Five strawberries in every category if your mouth isn’t watering yet, I would go see a doctor. So if you haven’t already, check it out!
Adina's Guide to the Perfect Sunset

By Adina '23

Love a gorgeous sunset? Me too, so let me show you how to find the best ones! As an avid sunset and sky watcher, these colorful displays seem to appear spontaneously, but with a little help from science, you can keep track of the weather and increase your luck! Keep reading to learn some new information, tips, ideas for making the most out of a beautiful night.

Why do sunsets happen?
Sunsets are caused through an occurrence called light scattering. This term is used to describe how the particles in the air (such as dust, water, ice crystals, pollen, etc.) interact and alter the direction of the light rays. The bright colors (specifically red, orange, and yellow sunsets and sunsets) are caused by the low sun. During this time, more light bends past you through the atmosphere and more particle interaction happens as well.

For the specific colors, you may remember ROYGBIV as a kid. This acronym also happens to represent the lengths of the light beams. From red at the longest wavelength and violet having the shortest. The light scattering principle can also explain why the sky is blue during the day. With blue’s wavelength being one of the smallest wavelengths, its short, small waves are scattered the most across the sky. In the early and late hours of the day, the blue, though, is one of the first colors to be broken up and hidden by the brighter, longer wavelengths of red and orange.

What should you look for?
1. Cloud Cover
In the process of all these light reflections, clouds can provide a very effective background to act almost like a canvas. The best types of clouds are middle to high up in the sky such as cirrus clouds. Because big, puffy clouds can absorb too much light. There are many weather apps that can display the cloud cover. What you want to look for is 80-70% of cloud coverage made up of majority mid to high level clouds.
2. Air Quality
Some of the best times for a vivid sunset is after a rainstorm or when the sky is particularly clear. Creating more blue light scattering and in turn more of those pretty reds and oranges to pass through the atmosphere. The humidity also affects the drama of a sunset. High humidity tends to create more muted colors in the sky from the excess amount of water molecules. Fall and winter tend to have better sunsets for this reason. When it comes to wind, it can be tricky to predict, so I would stay updated on the wind speed. Too harsh winds can ruin the sunset but wind direction and light changes or breezes can emphasize the sky by adding ripples and delicate patterns.

Overall, the main goal is to stay up date and be prepared. There are some apps that can also predict good sunsets but often require payment and when simple information is learned, I don’t think it’s worth it.

How do I photograph a sunset?
In terms of photography, you might want to try to focus on a specific focal point to center the photo or provide more depth. Some fun ideas are using the side mirrors in a car, you and your friends posing in front of the view, nature or the surrounding trees, an open road, and bodies of water that create cool reflections.

Woody’s Wings: The Boeing 787

By Woody ‘27

The Dreamliner. This is the nickname for the Boeing 787. The 787 is Boeing’s newest clean sheet design launched in 2007. It first took to the skies in late 2009 to reinvent the standard efficiency and range in the aviation world.

This new aircraft was a welcome addition to airlines who were trying to replace aging, high maintenance B767s and A330s. There are three variants of the 787, the 787-8, 787-9, and 787-10. Boeing also had a concept for the 787-3, a 787 for high density, low range markets such as Japan, but later decided to go with the longer (in size and range) aircraft, the 787-10.

The 787-8 was the first 787 type to roll off the assembly line in 2011 and quickly became a huge success. ANA, Japan’s largest airline, was the launch customer of the 787, having previously ordered over 50 units in 2004 when the program was first announced. Currently, ANA has 76 aircraft with over 95 orders (58 787-8s, 36 787-9s, and 2 787-10s). Japan Airlines, United Airlines, Westjet, American Airlines, and Korean Air are also all large operators of these aircraft.

The 787-9 was released next in July 2014, launching with its customer, Air New Zealand. The 787-9 is a stretched version of the 787-8 which enables it to fly more passengers. This new aircraft also interestingly has more range, 8,600 miles, than the 787-8. This is unusual because stretched aircraft carry more passengers and therefore are heavier, so they typically fly a shorter distance. Possibly the most simple answer for this occurrence is that the 787-9 engines are rated for a high thrust output which allows the aircraft to fly further.

Another advantage of this aircraft is that it was developed later and could contain more modern technologies that were not available in 2005.

The least known part is that the 787 uses secret military technology. Boeing makes military jets, giving them access to military technology that NASA is currently testing. It’s called the HLFC system, which stands for Hybrid Laminar Flow Control system.

What does it do? Nobody knows. With what effects....

Many new Boeing are very secretive about revealing the technology. Boeing says it’s to “delay the transition of airflow from the laminar layer to the turbulent layer,” but that’s a very vague answer. It probably has something to do with laminar flow. Laminar flow is an extremely complicated aerodynamics and physics principle that is too long to explain in this article. The main understanding, though, is that an aircraft with good laminar flow is far more efficient.

From what Boeing says, the HLFC probably stops airflow transitioning out of laminar flow and into the turbulent layer, which would cause turbulence and an overall lack of range. I have no idea what this would have to do with military technology, but Boeing is very secretive. All of this accumulates to why the 787-9 had better range than its smaller sibling, the 787-8 variant.

The 787-10 is the newest and longest variant of the 787 series. It can carry 336 passengers in a 2 class configuration up to 7,200 miles. Its first flight was in March 2017. The aircraft was delivered to its first airline and launch customer, Singapore Airlines, in March 2018.

This aircraft was designed along with the other 787 variants to replace aircraft like the 777-200ER and compete with the Airbus A340 and A330neo. The 787-10’s fuselage is too large to be transported by air, so the aircraft’s final assembly is where the fuselage is produced, in Charleston, South Carolina. Eventually the 787-10 has a decreased range from its smaller counterparts, it can still fly as much or more than the 787-8.

The 787 is a groundbreaking aircraft that is better for passengers, pilots, and airlines alike. The 787 has the largest windows on a commercial aircraft in service today. The control surfaces also automatically adjust with complicated computers to make your flight as smooth as possible, even while in turbulence. It also uses extremely modern screens to make flying easier for pilots. The aircraft makes use of carbon composite, such as carbon fiber. The resulting weight savings makes the 787 have better performance and efficiency. The carbon composites and the 787’s General Electric GENX engines result in extreme cost savings for airlines.

The 787 has been the world’s fastest selling widebody aircraft, and with 1,494 orders, the 787 has been a huge success. All of these reasons combined are why the Boeing 787 Dreamliner has been a game changing success for the aviation industry.
Some Foods Are Just Yucky

By Abby 28

Have your parents ever told you that you are a picky eater?...well mine did! I am not a picky eater, but stuff can just be gross! So I am here to talk to you about my and other people's opinion on yucky foods.

There are many people who don't like vegetables and fruits. In fact, I'm not a fan of pickles myself. I personally don't have them...but that's my opinion and nobody has to agree with me. Now let's hear from people themselves who don't like certain foods. Everybody has a reason to not like a food they don't like! Let's find out why!

Erika 28: I don't like bananas and some people say I have banana phobia but really I'm not a picky eater. It's just bananas! They are very gross!

Amour 27: I hate zucchini! Its gross and slimy (the drop).

Sarah 26: I hate beans they are so bad. They feel, like, really squishy. They taste really, really bad. I have to have them every new year. They taste so bad! I wanna die when I eat them!

The people have spoken! Some foods are just yucky! Here are my top 10 Yucky Foods:

1. Pickles - They are green, nasty, extraordinary yucky, and VERY YVYYY gross. Just ewwww. One time I got a grilled cheese and the grill cheese looked good so I went in for a bite. Then, I saw a pickle underneath it and I refused to eat it.

2. Beans - Don't have much to say on that one. They just look gross to me.

3. Broccoli - I don't like broccoli because it looks gross. Like, it's weirdly shaped. I don't remember how and when I tasted it, but I disliked it and I never tasted it again.

4. Onions - They smell TERRIBLE, and they look weird. They make you cry and I smell bad. I smell them I don't like it. Did I mention that they smell bad?

5. Hamburgers - They're dead cows! Do I need to say more? Can you look a beautiful cow in the face and then eat their relatives? I don't think so.

Some people will disagree on some of my picks, but we can all agree that some foods are just YUCKY!

#4 pears - I used to not like pears because of the texture, but I tried one the other day. Soft and mushy! Still yucky!

#5 Sushi - Sushi is all trendy and cool, but it's just I'm not a fish fan. I really like white rice but the weed and RAW fish ruin it for me. Sushi is definitely yucky, but my brother likes it so we go out to eat sushi a lot. Oof!

#6 Bacon - I know most people think bacon is 'awesome,' but just smelling it makes me want to vomit!

Also, it's cruel to kill a little cute baby pig and eat it.

#7 Fish - I already said I don't like fish! I love eating sea creatures and fish can be gross sometimes. They are scaly and scary in real life.

#8 Broccoli - I don't like broccoli because it looks gross. Like, it's weirdly shaped. I don't remember how and when I tasted it, but it tasted like hard celery. Eww!

#9 Onions - They smell TERRIBLE, and they look weird. They make you cry and I smell bad. I smell them I don't like it. Did I mention that they smell bad?

#10 Hamburgers - They're dead cows! Do I need to say more? Can you look a beautiful cow in the face and then eat their relatives? I don't think so.

Payton Loves Ponies

By Payton 28

It was my first ever rodeo, and I couldn't wait for the moment to start and have the best run in my life on my older horse Golden. I was ready! I kicked my horse so hard and we ran straight to the first barrel (aka the money barrel). Next we ran to the second perfect barrel. The barrel didn't move the slightest bit. We went about 10 feet and then we ran. We turned the third and went so fast it didn't even feel real. It was... and we won!

Hi, I'm Payton and this is a story about my horseback riding journey. The first time I realized I wanted to do horseback riding was when I was 6 years old. Now I'm 11 and I still love very much, but you know about horseback riding it's that there are different styles, western and English.

English is very fancy. It doesn't have a horn on the saddle and they do dressage and jumping but that's not what this is about. I ride Western which is very much laid back as well as riding and you say, now let me tell you about it.

Western is barrel racing, pole bending, and western pleasure (basically the western version of English dressage). My horse is named Loretta. She's my barrel horse and I love her very much. However, the just come to our barn after my older horse passed away. We are still going to try to know each other and each other's bond but in no time will we be inseparable.

Loretta's back is out of shape though her back just was like that for her whole life. So do rodeos (horse shows) she has to go to horse chiropractor. After that however she's perfectly fine. We have lessons together once a week. Loretta has a big personality she can be super moody or an angel just depending on how she is feeling that day.

The first time I ever rode Loretta I knew she was my heart horse. We also love to go on trail rides together. She always gets so excited to see what’s out there and I don't blame her because trail rides are so much fun because there's so many different trails you can go on and you decide to go on a new one every time. We walked along the way and I hope this inspired you.

With Love

Payton and Loretta

Dani Does New York

By Dani 28

New York City is a great place to travel. Millions of people live there and there are so many great places to see. There is also amazing food and culture. However, there are some bad things about it too. Here is my opinion of New York City.

There are some great things about NYC. For one, the food there is amazing. When I go there we always get pizza and bagels, and you can get them from literally any deli or pizza shop in the city and they will be great. You can also find a lot of landmarks all over the city [mostly in Manhattan]. There are places like the Empire State Building, Freedom Tower, and the Chrysler Building. I went to the One World Observatory on top of the World Trade Center and the view of Midtown was amazing. You could see Time Square's screens from there.

Also all of the movies are set in New York like Elf. The Avengers, and Spider-man. There are shops all over New York and you can find one for anything. There are clothing stores, pharmacies, and hardware stores. Last time we went, we walked down 5th Avenue at night and it was full of shops and looked amazing. Public transport is not always good in cities, but New York nails it. It has everything from subways and trains to buses and city bikes. We always stay with my grandma in the Bronx so we take the train straight to Grand Central Station.

Now it's time for me to tell you about the bad things in the city. Number one, it is loud and you cannot never get peace and quiet. It is extremely difficult to fall asleep there. The city is extremely crowded. You cannot get a 6 feet distance in super tourist spots like Times Square and Grand Central. This also means that if you try to go shopping the lines are incredibly long.

It is very easy to get lost throughout New York if you are alone because the city is huge. The traffic in NYC is unbelievable. One time when we went it took us 45 minutes to move two blocks. Lastly, it is slightly dangerous. In a crowded spot you might get pickpocketed and occasionally there are robberies.

New York is definitely worth a visit. Hopefully, you use something you learned from this when you visit.