

# The Scholé Chronicle

SPRING EDITION 2020

## Letter from the Assistant Editor

Amelia Abney

Dear Readers,

As we walk through this difficult time, I hope that this, the sixth issue of the Scholé Chronicle, will brighten your day. We have attempted to emulate Paul's instructions in Philippians 4:8:

Finally, brothers and sisters, whatever is true, whatever is noble, whatever is right, whatever is pure, whatever is lovely, whatever is admirable—if anything is excellent or praiseworthy—think about such things.

Philippians 4:8 NIV

Whether it is through photographs of flora and fauna, fictional creations, or music, we have attempted to both display our student's talents, and our love of God's creation. This issue, we have added two special sections. The first is a small section of old photographs, along with the story behind them. The other is a list of summer camps and other opportunities available in different locations across the USA. Even though it won't be possible to attend any of these events this summer, we hope that they will inspire you to attend them next year, or consider attending them online.



I would like to say a special thank-you to all of the other students who have made this edition possible: Grace Callahan, Editor in Cheif; Grace Nelson, Assistant Editor; Amelia Dippenaar, Layout Design; Rebecca Anderson, Layout Design; Adalie Everitt, Submissions Coordinator.

Finally, a huge thank-you to Mrs. Schinstock for wrangling all of us, and ensuring that the paper was completed on time.

I will leave you with this:

“The Lord bless you  
and keep you;  
the Lord make his  
face shine on you  
and be gracious to you;  
the Lord turn his face toward you  
and give you peace.”

Numbers 6:24-26

Amelia Abney,

Assistant Editor, Scholé Chronicle

## March for Life: The March of a Lifetime

Written by Grace Wagner on 1/24/20



Thousands of voices are speaking up for the voiceless. Braving the cold, thousands of Americans are defending the defenseless. Catholics, Orthodox Christians, Protestants, and countless other religious sects all abandon their differences and are united together in one goal: to stand up for the over 46 million infants that have been aborted in the U.S. since Roe vs Wade. This year, I was extremely blessed to attend the 47th annual March for Life in Washington, D.C. Protesting abortion, the March for Life is a rally that takes place near the anniversary of the Roe v. Wade supreme court decision in 1973 that legalized abortion. It is the largest rally advocating for human rights in the entire world! The march begins at the national mall and ends at the Supreme Court building. I attended the march with my church, Holy Cross Orthodox Church of Linthicum, MD. It was my second year attending the march and every moment was worth it, even the light sprinkling of rain.

However, as my good friend reminded me as we stood in the rain, “it’s nice to know that God is crying up in heaven for all the lives that are lost.”

My friends and I attended the pre-march rally, and we were surprised and pleased to see that the opening prayer for the unborn was led by a Greek Orthodox Bishop! We also were able to see President Donald Trump addressing the rally in person, which was certainly a monumental occasion. Surprisingly, he is the first president ever to address the rally in person, and proclaims himself to be the most pro-life president the U.S. has ever had. His speech was very moving and powerful, and he thoroughly expressed his belief that life is sacred, and that every child deserves to live. After President Trump’s speech, we gathered with a group of other Orthodox Christians from various parishes and dioceses across the states, several Orthodox Bishops, the Metropolitan, and various priests and seminarians who led a short service in memory of the unborn. It was certainly a moving experience to be prayerfully holding a service amidst the chaos around us. After the service, we joined the flood of people walking into the road where the march would commence. Surrounding us on all sides, people were chanting, holding pro-life signs, and skillfully navigating strollers through the packed crowd.





The pro-life signs had messages as varied as Bible verses concerning the sacredness of life, pictures of Doctor Seuss characters with the caption “A person is a person no matter how small,” and signs with a picture of adorable baby Yoda on them with the caption “Would you want to abort me? Choose life.”



Astonishingly, the majority of people attending the rally were teens and college students who took off time from school and suffered through long bus rides to get to Washington D.C. just to stand up for the sacredness of human life. It was amazing to observe the diversity amongst the sea of people all advocating for human life. For example, the Orthodox group I was in chanted beautiful Byzantine hymns the entire time, and to our right was a Catholic group chanting lovely church hymns and prayers in Latin (possibly the Gregorian chant), and to the left side in front of us were other large and energetic Catholic groups chanting various pro-life chants such as “Hey hey, ho ho, Roe v Wade has got to go!” and “We want babies yes we do, we want babies how ‘bout you?!?”

Men with megaphones added to the din of the crowd by voicing the belief that only through Christ can we be saved and cleansed from sin, not just from the sin of abortion, but from all sin.

Even though we stood in the street for an hour, it was worth it, knowing that we were a part of the March for Life defending life alongside thousands of other Americans. Finally, we began to move, but it was very stop-and-go. We concluded that it must have been because countless more people showed up than usual because President Trump was there. Finally, the pace picked up and the sea of people was on the move.



*As an early-bird, avid bibliophile, and homeschooler who's 1 ½ decades young, I attend church with my family and friends at Holy Cross Orthodox Church in Linthicum, MD. I am the eldest of four children, and I enjoy theater, piano, chanting in church and dancing in my church's international dance troupe.*

# Interview with Grace Nelson

By Amelia Abney

**Amelia: Hi Grace! Thank you so much for meeting with me today. So you live in Ghana with your parents and one brother, right? How long have you lived there? Where are you from originally?**

Grace: You are so welcome! Yes, I have one brother, Ian. We have lived in Ghana since July 2015. I grew up in Washington State.

**A: Tell me about the organization you work with in Ghana.**

G: We work with Rafiki Foundation. Their motto is ‘Training Africans to transform Africa for Christ.’ They work in ten different countries in Africa. The main thing that they do is run orphanages and classical Christian schools.

**A: What is your favorite part about living in Ghana?**

G: A lot of things. Probably learning about the culture. It is just so different here than in the US. Trying traditional foods is also a lot of fun.

**A: What is your least favorite part about living in Ghana?**

G: There isn’t anything terrible about Ghana, but I do miss my friends. I have several close friends that I grew up with in Washington. We do get to visit them for a few weeks every summer, though, which is nice.

**A: So, you are the other assistant editor of the Scholé Chronicle. What classes do you take with Scholé? How is your education different or more difficult than if you lived in the states?**

G: I take Discovery of Deduction with Mrs. Hodge. The biggest problem is the six-hour time difference. That isn’t too bad, I just have to look for classes that will work. The worst part is that I don’t get to interact with my classmates as much as I might in a traditional school. I am an extrovert, so that is disappointing.

**A: What are your favorite things to do in Ghana?**

G: Interacting with the kids. It is just so much fun! I love swapping stories with them. Also hanging out with the village “guard dog,” which is more of a pet now.

**A: How is your life different than if you lived in the US? How is it the same?**

G: It isn't as different as you might think. We have pretty consistent power, and we have wells, so we can drink out of the tap. It is HOT and humid all year round. We find geckos and other animals in the house sometimes. I actually almost stepped on a snake a few months ago that got into our house.

**A: What is an interesting part of the culture there?**

G: The fabric is really pretty! Commissioning tailor-made dresses is common because it so cheap. I am an adventurous eater, and I love the food.

**A: What does the area where you live look like? Do y'all just have a school and a church?**

G: We don't have a church here. We attend one in the capitol city of Accra. We have a K-12 school here, as well as the missionaries's houses. We have the buildings when the kids live. There is also a teacher training school, but it is not in session. It is in process of being accredited.

**A: What is an interesting experience that you've had there that is unique to Ghana or that you couldn't have had in the US?**

G: There are so many! Fighting fires is one, though we haven't done that lately. I did get to butcher a chicken, which was interesting. We get stared at because of race, but you get used to it. They don't mean to be rude, it is just kind of startling because we are so pale. I have red hair too, which I'm sure is also part of it.

**A: To wrap it up, tell me what we can be praying for.**



G: More missionaries! Figuring out what we are going to do for my last years of high-school requires a lot of big decisions, and I would appreciate prayers in that area. Of course, we can definitely use prayer for wisdom regarding Covid-19. We all just need a lot of perseverance and faith.

**A: Thank you so much for telling us about your life, Grace. I've really enjoyed talking to you!**

G: You are so welcome, Amelia!

Interviewed by Amelia Abney:

*Amelia Abney lives in Athens, Texas. She likes to read, write, sew, and watch old movies while petting her ridiculously floofy cat, Penderwick. She is an assistant editor of the Scholé Chronicle.*

*Grace is 16-year-old missionary kid living in Ghana, West Africa. Becoming a nurse in the future is her current dream. She is an Assistant Editor for the Scholé Chronicle.*



Basketball Court and Pre-school



The Primary School



The Dining Hall



The High School



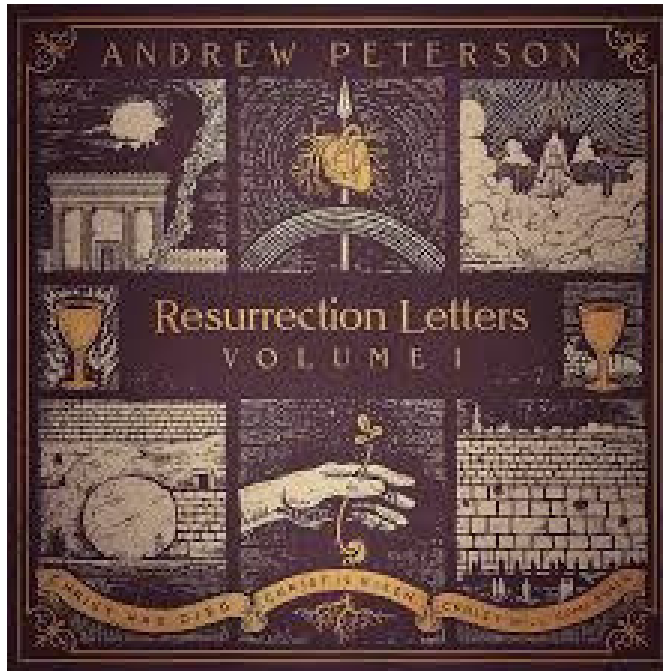
The Front Gate



Kids' House

## A Joyous Resurrection Celebrated Through Music

Written by: Grace Nelson



Once again, we gather together to celebrate Jesus' death and resurrection. For such a joyous occasion, let me recommend two albums which add joy and beauty to the season.

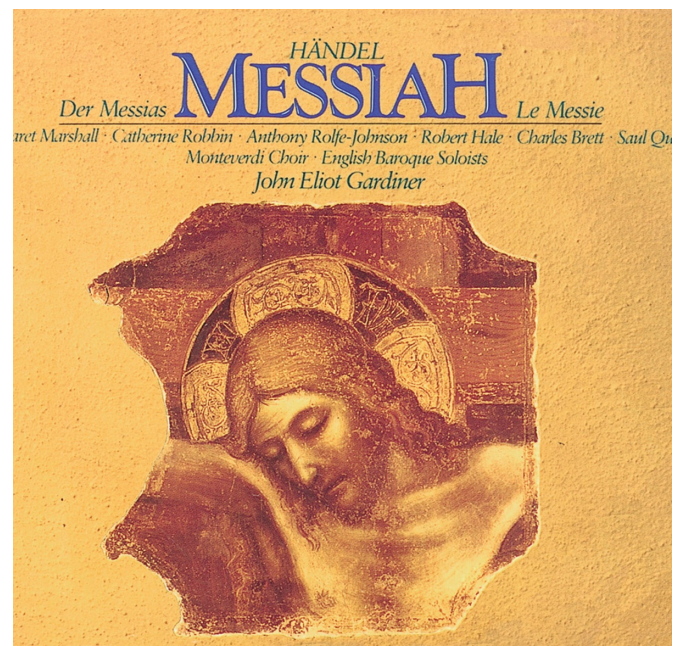
“His heart beats!” These three words resound in Christian singer-songwriter Andrew Peterson's opening song on his Resurrection Letters vol. 1 album. This album contains songs that talk about the events on the day of Jesus' glorious resurrection and right after it.

As Easter, or more fittingly Resurrection Day approaches, Resurrection Letters vol. 1 is perfect for easy thoughtful listening. Andrew Peterson's lyrics are meaningful and scripture filled. Paired with his folk/bluegrass style, this album contains a

special resurrection joy all its own.

A favorite song of mine on the album is, “Is He Worthy?,” a beautiful call and response anthem, communicating to us that Jesus is the only worthy sacrifice. Perfectly, He saved us, the Lion of Judah. Majestically, He sits on His throne in glory.

Finally, the reason I keep coming back to Andrew Peterson and his music both at Christmas and Resurrection Day is because his music never disappoints. Lyrically, he is incredibly talented, using his God-given talent to provide us with beautiful music, celebrating our Savior's life.



The second piece of music I recommend is Handel's Messiah. Honestly, this incredible piece is suitably fitting for both Christmas and Resurrection Day.

Written by George Frideric Handel in 1741, this classical piece has famously come through time as a masterpiece depicting Jesus' birth and resurrection. Amazingly, most all of the lyrics accompanying the piece are taken directly from Scripture, specifically the Major and Minor Prophets. Indeed, Isaiah 53:3-6, never sounded so beautiful, as the choir of angelic voices sing about our Savior's suffering.

In the Messiah, the glorious “Hallelujah” chorus, leaves one feeling security in the fact that our Savior rules forever and ever, King of kings and Lord of lords.

Overall, the Messiah is an amazing Scripture packed piece to listen to during the Easter season.

In conclusion, I hope you can find something special to listen to as we remember our Savior's death and glorious resurrection.

*Grace is a missionary kid living in Ghana, West Africa. Becoming a nurse in the future is her current dream. She is an Assistant Editor for the Scholé Chronicle.*

"He is despised and rejected of men; a man of sorrows, and acquainted with grief: and we hid as it were our faces from him; he was despised, and we esteemed him not.

Surely he hath borne our griefs, and carried our sorrows: yet we did esteem him stricken, smitten of God, and afflicted.

But he was wounded for our transgressions, he was bruised for our iniquities: the chastisement of our peace was upon him; and with his stripes we are healed.

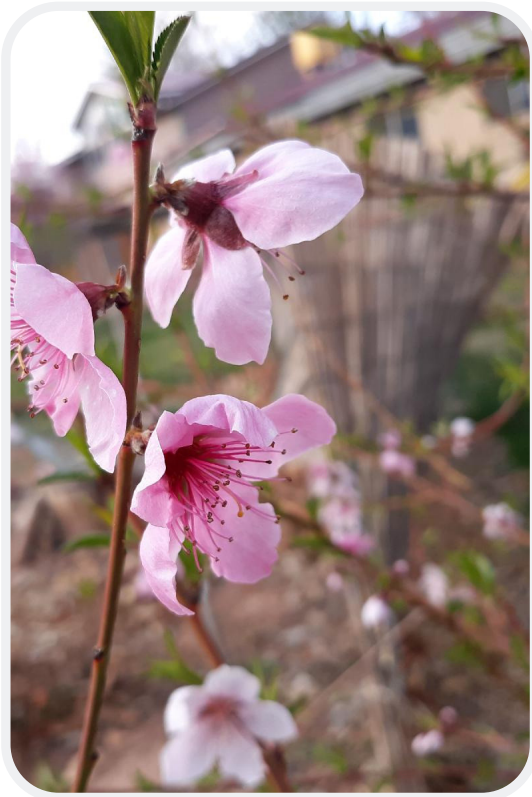
All we like sheep have gone astray; we have turned every one to his own way; and the Lord hath laid on him the iniquity of us all."

-Isaiah 53:3-6 (KJV)



# Photography

Many of the Scholé Academy students enjoy displaying the beauty of the season through their photography.



Picture taken by: Bella Welch



Photo taken by: Ian Nelson

Ian Nelson is 13 years old and is in 8th grade. In his free time, he loves playing soccer, listening to music, reading, and taking photos. He lives in Ghana, West Africa. Check out more pictures like this on his blog: <https://destinationghana.home.blog/>



"Skink in the sink" taken by: Ian Nelson.



Photo taken by: Ian Nelson



# The Possum and the Beaver

By Isaac Everitt

There was once a possum who lived near a river in the forest. One day, when he was out finding lunch, he saw his neighbor the beaver.

“Hello neighbor,” said the beaver, “I hear that there is a very fierce storm coming this afternoon. Could you help me build a shelter to protect us from the bad weather?”

“Well, I am hungry and want to eat. I will help you when I am done getting lunch,” replied the possum.

“Okay,” the beaver said, and he continued to work.

Later that day the possum was walking home from lunch. The beaver, remembering what the possum said, asked him, “Can you help me now?”

“I am tired so I will go home and rest, then I will come help you,” replied the possum.

The possum went home and fell asleep. He awoke to thunder and intense wind. At that very moment, he realized it was too late to help.

Moral: Slow help is no help.

*Isaac Everitt is 8 years old and in Writing and Rhetoric year 1. He likes to snowboard, build with legos, and play outside.*

## Footprints: The Perspective of a Stage

By Grace Wagner

I lay in wait and anticipation. The smooth boards which formed the core of my being, that were once polished, sanded, and stained with the utmost of care, now held a layer of dust, accumulating one dreaded piece at a time. I thought of the past, of what could have been. To my delight, a slipper-clad single foot prodded and cleared a place on me, its resounding noise echoing the joyous times of old from my long-forgotten past. A surge of hope flooded my being. The foot was bigger than the dainty ballet-slipper enclosed foot that I remembered. Nonetheless, I was filled with an abundance of joy because I knew it was my friend. She had returned home.

The foot proceeded to plow a path through the dust on me and it tickled. A clump of dust and grime fluttered like a snowflake upon the velvet rugs below. I felt like sneezing, my sides heaved as I attempted to re-familiarize myself with the weight on me. My entire being was devoted to the single step above me.

I willed the person on me to step again. I kindled a desire of hope within myself, yearning to hear another step. Silence recast its well-known shroud across the room. I feared all was lost. The silence echoed my agony and its pain penetrated the essence of my being worse than the punctures of the nails when I was first constructed. Quivering and creaking, my boards caused yet more clumps of dust to scatter about the room and filled the air with a smoke-like haze.

I continued to hope for another footstep, but it never came. The silence was unbearable. The entire room shuddered under its heavy gaze, as it scrutinized every row of unused seats, the moth-eaten curtains, fading canopies, and crumbling balconies. I held my breath. One rebel refused to be paralyzed under silence's icy tendrils. Cheerfully, sunlight began to pour through the windows like an old friend, enveloping the entire room with a soft golden hue.





As each heaven-blessed beam of light hit the floor, it adopted a tone of resilience and defiance to the darkness that had dared to ensnare the room once more under its tyrannical reign. As if encouraged by the light, a second foot, clad in a pearl colored slipper, cautiously cleared a path through the dust to meet its brother. "I have not forgotten," the dancer on me spoke, "I have not forgotten." She stepped out on me like she didn't have a care in the world, and at that point I knew for sure she was home for good this time. My hope returned at the prospect of yet more returning footprints in the dust.

*As an early-bird, avid bibliophile, and homeschooler who's 1 ½ decades young, I attend church with my family and friends at Holy Cross Orthodox Church in Linthicum, MD. I am the eldest of four children, and I enjoy theater, piano, chanting in church and dancing in my church's international dance troupe.*

## Writers Block

By Mattie Clare Stevens

When a writer cannot write they get  
something called writers block  
They sit and think and think listening  
to the ticking of the clock  
I have writers block but am writing of  
the one thing I can think  
But my knowledge of this thing is just  
on the brink  
For now, I must say goodbye  
So please don't cry  
Adios my peeps  
It's time for me to take a leap.

*My name is Mattie I live in the sunny state of South Carolina. I love to write and read.*

*My favorite class this year is Art of Argument with Mr. Schambach. Thank you so much for reading my poem!*





*Grace Callahan is fourteen years old and lives in SETX. She is in eighth grade and this is her first year with Scholé Academy.*

This is a picture of my Uncle Jerry and Uncle Terry, taken around the year 1967, when they were in the fourth grade. Jerry refused to smile with his teeth because only a few months earlier, in a bb gun duel with his twin, his front tooth was shot out and left a gaping hole in his smile.

This is my grandma Ann Arthur (now Everitt) She was 13 years old and in 7th grade, the same age and grade as me now. School pictures were big and everyone exchanged photos. She thinks the glasses were meant to make everyone look as terrible as possible.

*Adalie Everitt is 13 and she lives in Fort Collins, Colorado. She likes to read, rock climb, listen to music, and go on hikes.*







## Oil Painting

By: Adassah MacAlmon

This is my painting that I painted last year. My name is Adassah. We have a awesome art teacher that we call Mrs.Coco. We meet every Thursday. I hope this inspires you to paint a picture of your own.



## Sisters Forever

By: Grace Casey

I got inspired to draw this picture because we had been fostering for 2 years. I decided to draw this picture to show that no matter struggles we go through they will always be my sisters. It is called Sisters forever



## Math in Nature

By Amelia Dippenaar

As spring nears, I am reminded of a quote by Galileo Galilei that my Pre-Algebra teacher shared with our class towards the beginning of the semester, “Mathematics is the language in which God has written the universe.” This quote led me to wonder where math is visible in nature because I had never heard it phrased that way. Later in the semester, my math class was assigned a project that answers the question, “What are some examples of mathematics in nature?” After completing the project, I found a new understanding of the aforementioned quote. Here are two of my favourite findings from the project.

God’s handiwork is visible in the design, shape, and pattern of nature. For example, the Fibonacci sequence is a pattern that was created by Leonardo Pisano Bigollo in his book *Liber Abaci*. This sequence starts with the numbers 1 and 1. The next number is found by adding the two previous numbers. Therefore, the pattern comes out to look like 1, 2, 3, 5, 8, 13, etc.

When Bigollo discovered this sequence, he did not know that future mathematicians would later discover that the Fibonacci sequence repeats itself in nature. It appears in seashells, flower petals, pinecones, and more.

Another example would be fractals. Fractals are complex patterns that appear self-similar at any scale. This means that the same shape can be seen repeatedly within the fractal. Specifically, fern leaves demonstrate fractals. The large leaf is made of smaller leaves which are made from even smaller ones. To further understand this concept, consider studying trees, growth spirals, flowers, etc.

God created this world with beauty, creativity, and purpose. It is amazing that humans are able to decipher His creation using mathematics. The true complexity of God’s creation is more than we can fathom, but math gives us a way of getting closer. I encourage you to seek mathematics in nature as I have!

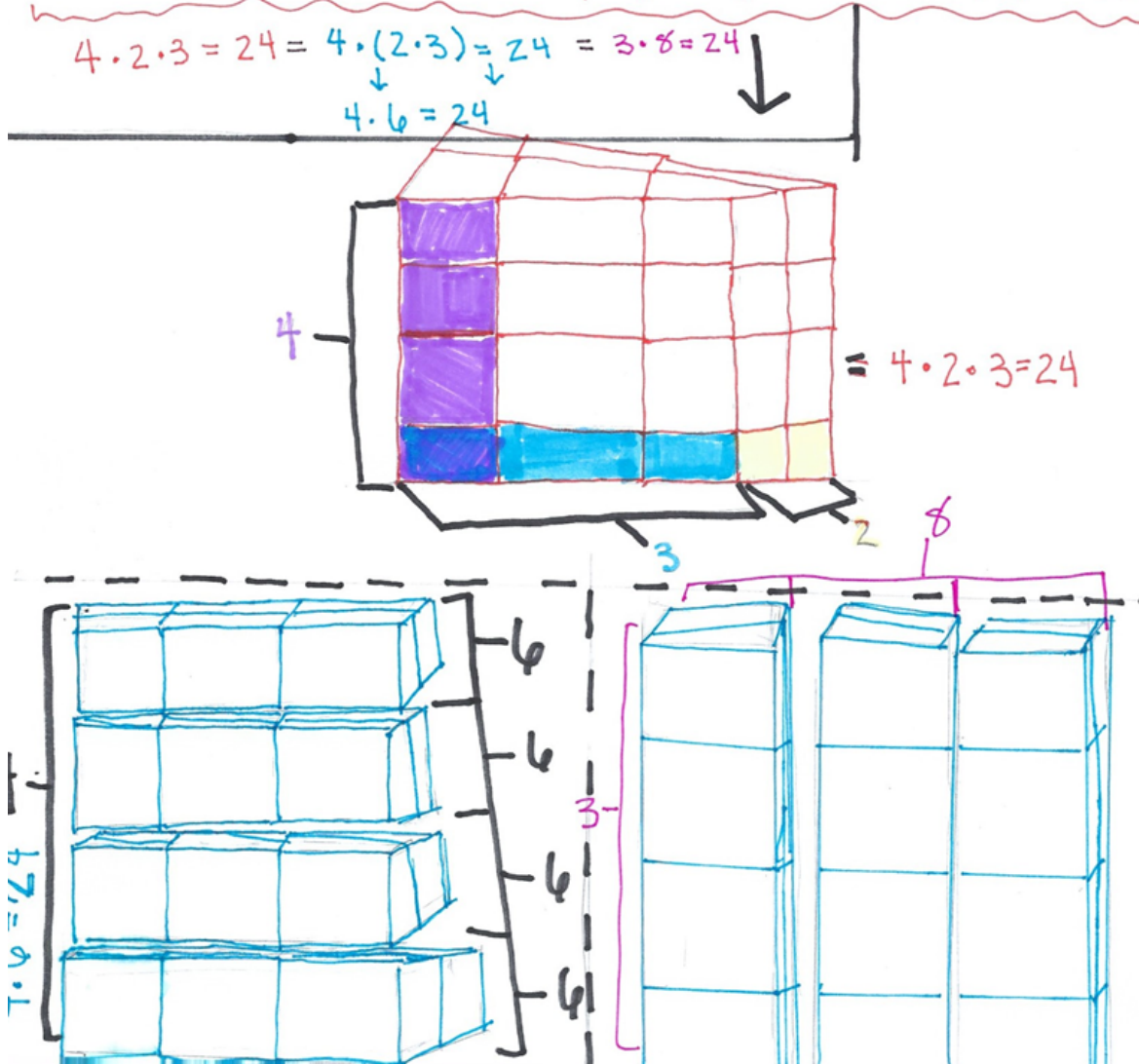
# A Visual Representation of the Associative Property of Multiplication.

By: Aracely Garcia

Definition:

Associative property of multiplication - The Associative property states that you can add or multiply regardless of how the numbers are grouped.

Here is a visual example proving that this definition is true.



Notice that in all three problems the answer was the same. The only difference was that the cube was cut differently. This is a great representation of the associative property because no matter what order you put the group of numbers the answer is still the same.

*Hello my name is Aracely Garcia. I take the PreAlgebra class through Scholé. I live in Orlando Florida and enjoy art, walking my dog, track and field, and competitive swimming.*

# Einstein's Equation

By Luke Chambers



Mathematical equations, representations of truths in the physical world, have been known for centuries, dating back to the Ancient Greeks. Around 1900, Albert Einstein began work on an equation that would become the most famous equation in the world. His equation stated that energy and mass are interchangeable. Mass can become energy and energy can become mass. This equation also helped to develop the bomb that would end the second World War.

Einstein began his work on the equation in 1905. He first wrote the equation as  $m=L/V^2$  when he perfected it in 1912.  $E$  stands for energy,  $m$  stands for, but later changed it to  $E=mc^2$  mass, and  $c$  stands for the speed of light. When read, the equation means: energy equals mass times the speed of light squared. He wrote that mass is a super concentrated form of energy. For instance, one milligram of mass is equivalent to 21,000 tons of TNT. He explained that any amount of matter could be converted to pure energy by electromagnetic radiation, or by the process of splitting atoms into

smaller pieces.

This equation rocked the scientific world, causing a revolution in physics. It was not only the biggest discovery of the century, it also changed the world. On August 6, 1945, 40 years after Einstein began to work on his famous equation:  $E=mc^2$ , World War II came to an end. The United States had just bombed Hiroshima and Nagasaki with atomic bombs, killing millions of people. Nuclear fission, the splitting of an atom (normally uranium atoms for nuclear weapons) that releases energy at impact was used in the making of the atomic bombs. Nuclear fission was basically  $E=mc^2$  at work, converting matter (the uranium) into energy (the explosion caused by impact).

Albert Einstein's revolution sparking equation has brought numerous changes to the current-day world. It showed that the amount of energy inside a minuscule piece of matter is mind-bogglingly enormous. Its discovery led to the creation of the atomic bomb and the end of a World War. Although  $E=mc^2$  had been used and known for many years, it



was not proved until 2008, 103 years after Einstein had first developed this theory.

*Luke Chambers is a 14 year old boy from Pennsylvania. In school, his favorite class is math, but he also enjoys his writing and latin classes. In his free time, he often practices basketball and golf, plays games with his sister, or plays Minecraft.*



## Newton's Law of Gravity

By Elijah Morton

In 1687 a great discovery was made by the great Sir Isaac Newton.  $F = G \frac{m_1 m_2}{d^2}$  is the law of gravity and the equation that lead us to advanced society. Gravity is one of the most important pieces to the universe. Without the discovery of gravity laws, we wouldn't have rockets, GPS, pictures of earth and universe, and lastly, we wouldn't have gotten to the moon or anywhere else.

Gravity is caused when the mass of an object and the mass of another object are near each other. The objects have a force that causes them to pull towards each other. Planets are a

perfect example. The moon circles the earth because once in the atmosphere it is sent at 2,288 mph in one direction, but the pull of the earth keeps re-directing it to circle the earth. This is how all the planets continuously circle the sun.

The equation that Newton discovered is still used every day at NASA. They must calculate the amount of thrust needed to leave the gravitational pull of the earth. Once they have the numbers, they send a rocket into the atmosphere but then steer it to the left or right to keep it circling the earth. A satellite works just like a planet. It is constantly being pulled towards earth which causes it to orbit the planet. With the ability to do these incredible missions, we have the access to GPS which is used everyday in the 21st century.

*Hi my name is Elijah Morton, I am 15 years old and I live in Pennsylvania. Some things I love doing consist of fishing, working outside, shooting guns, carpentry, and most importantly, being with my family. Scholé has been a great experience so far and I am anxious for the years to come.*

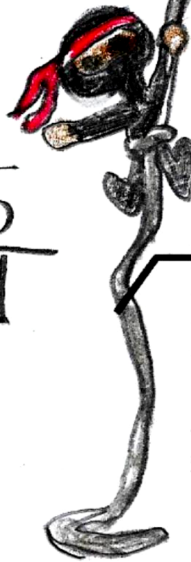
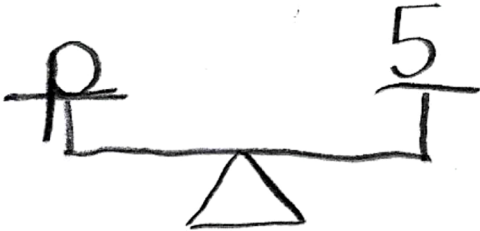
# How To Solve Equations in Easy Steps

By: Grace Casey

Hello! My name is MENE which stands for Math Equation Ninja Expert, but you can call me Ninja. We are going to be taking a journey to battle the fierce variables in equations. They don't have names so it is up to us to find their missing name that was stolen! We are going to start with One step equations and work our way up to hard equations! Draw your sharp ninja pencil and get ready to fight for the variables' names



Addition Equation Case [one step]

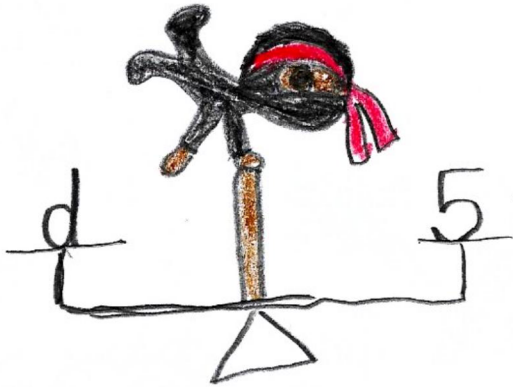


This my fellow ninja equation expert, is an addition equation. The variable **p** has lost its number, so lets get started! We know that  $4 + p = 9$  but we only want the variable by itself because we know the number's name. So to get the **p** by itself we need to subtract 4 from both sides, so the equation stays equal. So we are left with  $p = 5$ . Is this correct name for our variable? Lets check,  $4 + 5 = 9$ . We are correct, this variable has its name! Lets move on to the case on Subtraction that is downtown.

This letter **t** has lost its name! This time we know that  $t - 7 = 10$  and we know the number 7 name so we have to get the **t** by itself. This time we have to **add** to get the letter by itself. So we add 7 to each side  $7 + -7 = 0$  and  $7 + 10 = 17$ . So we have  $t = 17$ . Is this the variable's name? Lets check,  $17 - 7 = 10$  it is the variable's name! This case is closed, so lets move onto the **Multiplication Equation** down the road.

Subtraction Equation [One step]

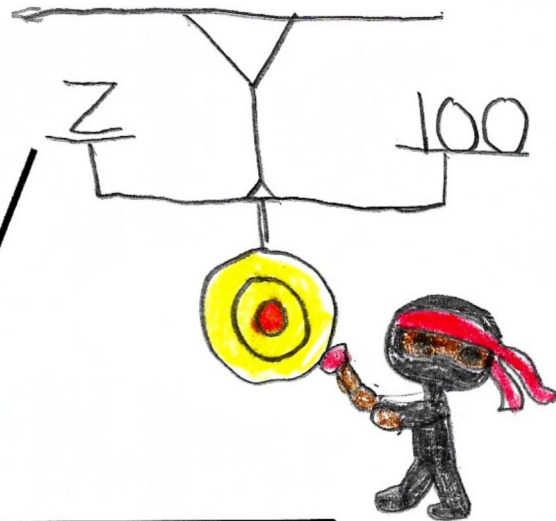


Multiplication Equation[One Step]

For this case we know that  $4d = 20$  but this time the variable and the number are together! How do we get them apart!? Well, this time we need to **divide** each side by 4 because when a variable is attached to a number that means to **Multiply**, but we need to do the **opposite** method. 4 divided by 4 is one but in this case we have one **d** and 20 divided by 4 is 5. We are left with **d = 5**, but lets check by **multiplying** 4 by 5.  $4 \times 5 = 20$  so **d** has found its name. Next case **Division Equation**.

Division Equation [One Step]

The equation is  $z/5 = 20$ . In this case, when a variable is over another number it means that the variable is greater than the answer, because it needs to divide to make that number. But we need to get the variable alone so we can find its name, so we need to **multiply** by 5 to get the variable alone.  $20 \times 5$  is equal to 100 so we have **z = 100**. Lets check by dividing 100 by 5 we get 20 so the answer is correct! This variable now has its name back!



Wow!! You have finished all the One step Equations and nailed them all! I think that you can handle the hard cases, the ones that have **two steps** not **one step**. Are you up for the challenge?! You better be because we are Ninja Equation Experts we have got this!

Ninja Facts

If you were confused that I kept calling the letter a **variable** don't be. It is a name we call the letter in an equation that does not have its name. Lets see if you got it, below which one is the Variable?

$$X + 3 = 12$$

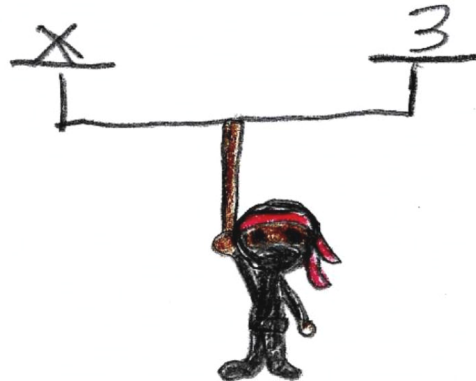


Multiplication and Addition [Two steps]

Two step equation number one!  $2f + 4 = 8$ . This time the variable  $f$  is attached to a number but also is being added to another number. How do we do this one!!? Do not fear, we take on this challenge happily. We know that we need to get the variable by itself so that we can find its name, so let's start there. We need to subtract 4 from each side so that we have the variable and the number it is attached to left.  $2f = 8 - 4 = 2f = 4$ . Now we divide each side by 2. 2 divided by 2 = 1  $f$  and 4 divided by 2 = 2. So our answer is  $f = 2$  but let's check. We multiply 2 by 2 which is 4 then we add 4 which is 8. Our answer is correct so  $f$  now has its name.

Multiplication and Subtraction [Two Steps]

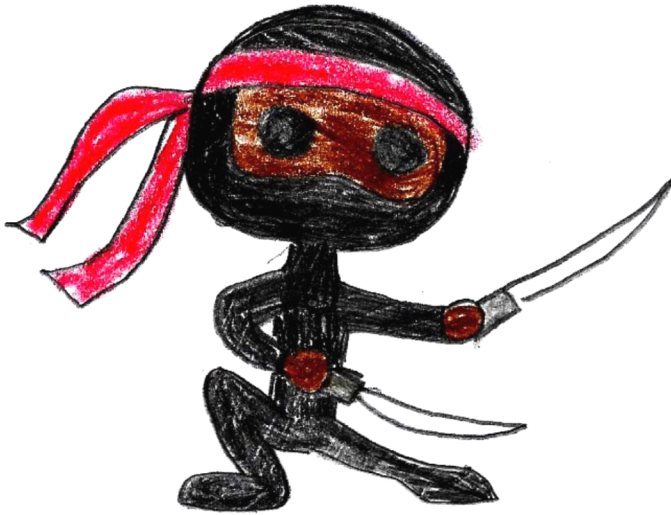
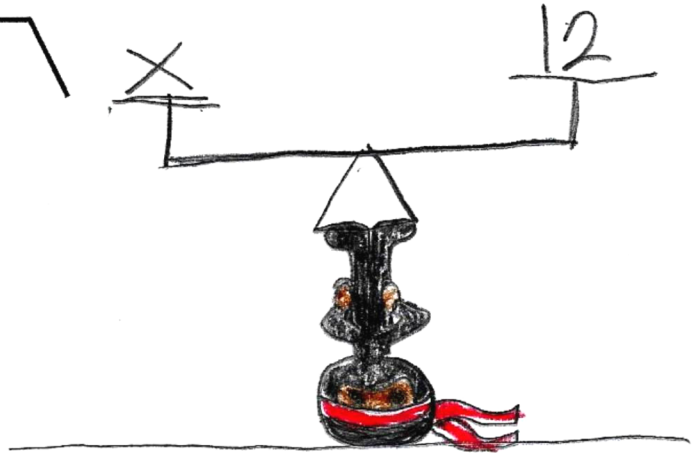
The next equation is  $2x - 2 = 4$ . For this we do the same exact thing, get the variable alone. We **add** 2 to each side so we have  $2x = 6$ . Remember what to do when the variable is attached to a number? We **divide** to get them apart. But remember we have to do the same with both sides or they would not be even. 6 divided by 2 is 3 so we are left with  $x = 3$ . Let's check, 3 times 2 is 6 minus 2 is 4. This letter now has its name back! We are on a roll only two left!

Division and Addition [Two Steps]

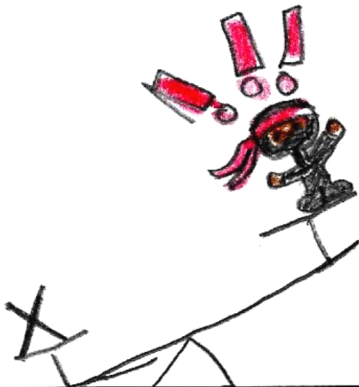
This equation  $j/2 + 2 = 4$  is going to be just as easy. We first **subtract** 2 from each side so we have  $j/2 = 2$  left. Then we **multiply** by 2 so we have  $j = 4$ . We should check to make sure that it is correct. Divide 4 by 2 which equals 2 then **add** 2 which equals 4. This answer is correct! You are truly a **Ninja Equation Expert**, because we are nearly finished! One equation left to go!

Division and Subtraction[ Two Steps]

This is it, the last case! Lets take this in and get it over with! The equation for this case is  $x/2 - 2 = 4$ . Remember to separate the  $x$  because we want to find its name! So we **add** 2 to each side so we have  $x/2 = 6$ . Now we need to **multiply** each side by 2 so we have  $x = 12$ . Check! Check! Divide 12 by 2 = 6 then subtract 2 = 4. The answer is correct!



I can't believe it! That was the last case! You have mastered **One step and Two step Equations**! Now that you have them down they should be easy-peasy for you in the future! I hope that you enjoyed this because the cases will be harder next time! Ninja Equation Expert out!



Did you understand why we used scales? If not the scales are a picture to help with making sure that the sides stay equal even as you do the problem. Think of it this way, ninja's are athletic and can balance easily, but only if the scale on which they are conducting the cases are even. Make sure that what you do on one side of the scale you do the same thing with the other side.

A pink watercolor flower graphic is located in the top left corner of the page, partially overlapping the page number and the title.

# Equations can Change the World

By Bella Welch

Discoveries are being made all of the time and through discoveries, many equations have been formed. Some of these have changed the world and left a huge impact. One equation is the logistic model for population growth. This paper will discuss what this equation is, what it means, some of the history behind it, who discovered it, and how it is used. The Chaos Theory is, according to Dictionary.com, “a theory, applied in various branches of science, that apparently random phenomena have underlying order”. One of the branches the Chaos Theory can pertain to is the idea of population growth. The growth of a population over a period of years is known as the growth rate. The equation is shown below:

$$x_{t+1} = kx_t(1-x_t)$$

$x_{t+1}$  represents the population size of the next generation,  $k$  represents an unconstrained growth rate, and  $x_t$  represents the population size now. This is a formula for predicting the population growth patterns of species and it describes the relative size of a population over time.

Pierre-Francois Verhulst (1804-1849), a Belgian mathematician, was the creator of this equation (commonly referred to as the logistic model for population growth) as well as one of the first people to study growth rate. He suggested that the rate of population increase may be limited and that the availability of resources could affect human population growth. He published this equation in 1845 and 1847, but it was primarily forgotten until 1921 when Raymond Pearl and Lowell J. Reed popularized it when they used it to predict population growth in the United States. Then in 1975, Robert May (1936), an Australian scientist, was the first to point out that this model of population growth could produce chaos.

This equation can be used in various different ways, but the main way it



is used is to predict population growth for the future. According to Mathematics LibreTexts, “The logistic equation is useful in other situations, too, as it is good for modeling any situation in which limited growth is possible.” They give examples of a flu virus spreading through a population on a cruise ship or the rate at which a rumor spreads through a small town. Verhulst himself used data from several countries, particularly Belgium, to estimate the populations. His prediction for Belgium was that the maximum limit for the population would be 9,400,000. In 1994, the population was actually 10,118,000, but adding into account immigration, his prediction was fairly accurate.

In conclusion, the logistic model for population growth equation is a formula for predicting the population growth patterns of species and it describes the relative size of a population over time. It was first discovered by Pierre-Francois Verhulst and published in 1845 and 1847. It was popularized in 1921 when Raymond Pearl and Lowell J. Reed used it to predict population growth in the United States. It was then discovered that the model can produce chaos by Rober May in 1975. This equation can be used to predict population growth for the future, but can also be used to find the rate at which a flu virus spreads through a population on a cruise ship or a rumor spreads through a small town. Thus, the logistic model for population growth equation has helped and changed the world for the better.


*Bella Welch is a 10th grader and she lives in Moab, Utah. She is the oldest of four and she has two dogs and a cat. In her spare time, she enjoys running and reading. This is her second year with Scholé Academy.*



## Summer camps

### Camp Timberline

By Annika Everitt



My favorite summer camp is “Camp Timberline,” it is in Estes Park, Colorado, and lasts for six days: Sunday-Saturday. It’s only for children; Parents drop their kids off and pick them up at the end of the week. Camp Timberline is a Christian camp. There are many sports and activities to do: dancing, arts and crafts, tennis, and the like for girls, or soccer, woodworking, and football for the boys. There is a zip-line, climbing wall, ropes course, and many mountain adventures. You will go on hikes, attend church services, swim in lakes, hang out with friends, have lots free time, and more. Girls and boys are separated by cabins. There are seven boy cabins and seven girl cabins. It’s really fun, exciting, and you can learn more about Jesus.

*My name is Annika Everitt. I am in 5th grade. I enjoy reading, writing, coloring, acting, painting, and playing music. I do Writing and Rhetoric and LFCC with Scholé academy.*

### Living Springs Bible Camp

By Amelia Dippenaar

Living Springs is a six-day sleepover camp located in Alberta, Canada. When you arrive, you register, sign up for activities, and find your cabin. There are seven girl cabins and seven boy cabins. On the first night, each girl cabin is paired with a boy cabin to create a team. This team will work together to try to get the most points before the end of the week. Furthermore, it is also a bible camp. There is chapel twice a day with a guest speaker, as well as campfire. By the end of the week, you can expect to have grown closer to God and made many new memories.

*My name is Amelia Dippenaar and I am thirteen years old. I live on an acreage in Alberta, Canada. I love sports, music, creative arts, and my friends. This is my first year helping with the Scholé Chronicle as layout designer, and my second year in Scholé Academy.*

In the midst of this pandemic, the Chronicle team hopes this prayer encourages you while at home with your family.

## Pandemic Prayer

By Emily Cool Greener copywrite 2020

For those who are lost—we mourn

For all that is broken—we cry out

With those who weep—we weep

*Suffering Servant, hear our prayer.*

For all who are alone—we invite your presence

For we who are trapped inside—we ask your freedom

For those without a safe place—we beg your protection

*Help of the helpless, shelter your people.*

For those who labor on our behalf healing, tending, delivering—we give thanks

For those whose work has been taken—we ask provision

For those to whom the world looks for guidance—we entreat your wisdom

*Shepherd, guide us through this shadow of death.*

For all that is obscured—we ask for light

From all our selfishness—we repent

From all our anxiety—we turn

*God of love, cast out our fear.*

We hope you enjoyed reading this edition of the Scholé Chronicle!

Have a wonderful summer!

