# Math Kangaroo Bulletin

The bulletin of Math Kangaroo in USA, NFP

Volume XI, Issue 1 - Summer 2020

www.mathkangaroo.org



Maria Omelanczuk, Chief Executive Officer



Before you read on, let us stop for a minute of prayer and reflection on the lives of those who have left us recently...



**Andrzej** was a radio program host in Chicago and had been volunteering to promote Math Kangaroo from the early 2000's to the end of his life. His death was due to COVID-19.

**Olga** was a Math Kangaroo Manager at UCLA Math Circles for 11 years. She died from cancer.

**Bożena** was a Math Kangaroo Office Manager for three years. She also lost her life to cancer.

# They are and will be remembered as great contributors to Math Kangaroo and to their communities.

\* \* \*

We are now officially closing Math Kangaroo 2020 by publishing this bulletin. This year, quite unexpectedly, Math Kangaroo took place online for the first time. The testing ended only in June. Families accepted the change and most of them appreciated it. However, the number of the perfect scores indicates the possibility of some unfair play. Not to disappoint honest students,

we still are awarding gold medals as usual, and there were more of them than ever. We believe the medals are going to inspire the recipients to keep winning again and again, and to work harder. To help with this, this summer the "<u>Play and Learn</u>" feature has been added to our website. Students can play with their exam an unlimited number of times until they come to understand the problems; videos with the question solutions support the learning process. All this is free for the participants and is available for a minimal fee for all others. Has your child/student tried it yet?

Awards are scheduled to reach Math Kangaroo Managers in August (provided there are no carrier delays). Where possible, parents should pick up prizes along with Math Kangaroo Competition items delivered to the centers early in March; at places where contact is discouraged, the Managers need to wait for a safer time and communicate with families. Everybody is trying to follow safety measures and that is appreciated.

Before the next enrollment starts in September (or a bit later), the plan for MK 2021 will be introduced. The time is special and not easy.

Because of that, let me thank you all who responded to MK2021 Fundraising! If you have not yet, here is the chance.



<u>Click here</u> and get a unique t-shirt showing that you support Math Kangaroo! I did and several managers and officers did, and we proudly wear them now and all year around.

The following pages present the facts and the atmosphere of Math Kangaroo 2020. I believe you will find the reading interesting.

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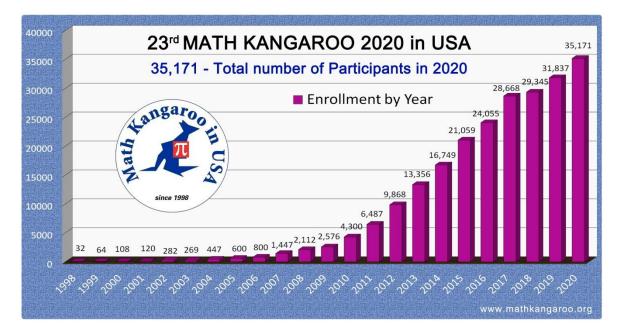
It's been 23 years of Math Kangaroo that has been led by me as the Founder and President. That's great honor and privilege. I am stepping down from the honorable role of CEO, effective August 31, 2020.

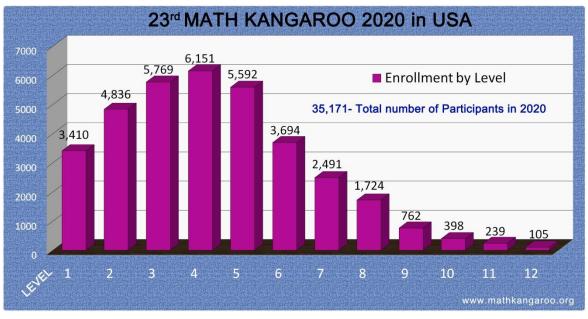
**Thanks to all** who have supported me with positive and constructive feedback during all the years. It was great experience. I met hundreds of dedicated people. I love you and remember you.

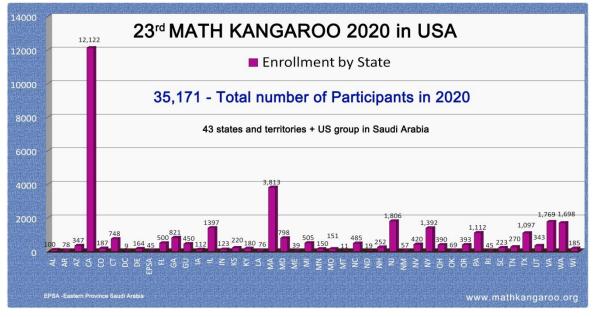
Izabela Szpiech and Joanna Matthiesen are going to continue what we have worked on for over 20 years together. As I retire from my current role, I plan to serve the organization as a Support Manager.

So long!

María Omelanczuk Math Kangaroo in USA, NFP Founder







More metrics...



Izabela Szpiech, Chief Financial Officer

The past several months have shifted everyone's life in an unprecedented way. While this meant big changes for Math Kangaroo, we have managed to fulfill our commitments under these challenging times and made our annual competition take place virtually.

We acknowledge that many students and families were looking forward to in-person participation and we are grateful to be able to say that the online test taking platform was very well received by so many of you. We thank you for your encouraging messages and kind words. Now more than ever we feel very appreciated and supported by this strong Math Kangaroo community.

The switch to online testing encountered few challenges and obstacles. The number of winners at elementary grade levels has skyrocketed. Our mission is for every child to excel at the test and while the large number of winners may reflect that we want to stress that it is in our ethos to have each child be able to participate in the competition independently. The problem we faced was how we at Math Kangaroo reward all the first rank laureates. Invalidating the results would harm those students who did take the test independently and it was our decision to award all winners. This unfortunately left the question on what lies behind the grandness of the prize if something has been gained dishonestly unanswered. It is within our philosophy that the values we convey as parents are the values our children will carry into the world.

We would like to present to you the list of the 2020 Math Kangaroo competition winners along with the awards distributed. You may find the list on our website. Families of winning students should hear from the managers of their designated Math Kangaroo center later in August.

We cannot forget about our donors, mostly the participating students' families. Your donations were received in different forms: by adding \$1.00 when paying for the registration fee, participating in Corporate Matching Program at your work or simply by indicating our organization as a charity which receives donation from Amazon when they shop using Amazon Smile app. **Big thank you to you all, each donation makes an impact.** 

As a reminder, here is how to use Amazon Smile: 1. Sign in to smile.amazon.com on your desktop or mobile phone browser. 2. From your desktop, go to Your Account from the navigation at the top of any page, and then select Math Kangaroo in USA, NFP to support.

If you wish to donate to our program, please use the following link DONATE

We are also inviting everyone to the <u>FIRST MATH KANGAROO FUNDRAISING</u>. Getting a pretty t-shirt in Heliconia color with a navy-blue design for \$20 will make a big difference and will help us deal with the unexpected expenses caused by the pandemic.

With great pleasure I would like to present this year's 12<sup>th</sup> grade laureates who for their excellent results and consistent participation are the recipients of the MK College Grant and Special Monetary Awards. We awarded 5 senior students with \$1000.00 College Grant. Each recipient has participated in the MK competition consecutively for several years; they were the first place winners at levels 8 through 11 and are also this year's first-place winners. Other Monetary Awards went to students with consistent participation and outstanding results over the years. These include 9 awards of \$500.00 each, 3 awards of \$300.0 each, 7 awards of \$200.00 each and one award of \$100.00.

We kindly invite you to read our best 12<sup>th</sup> graders' reflections on their adventure with Math Kangaroo Competition presented below. Each year, these feedbacks are very meaningful to all who are engaged in preparing, running, and promoting our program.

# Awards

This year Math Kangaroo awards are assigned in the following way:

- State winners ranked 1, 2 and 3 receive State Winner Magnet and MK gift
- National winners ranked 1, 2 and 3 receive National Winner Magnet and MK medal
- National winners ranked 4, 5, 6, 7, 8, 9, and 10 receive National Winner Magnet and MK gift
- National winners ranked 11-20 receive National Winner Magnet



The following are few words from Natalie, one of the winners in State of TX at Level 3, who as mom says: "jumps up and down in anticipation of receiving the awards and telling all her friends about Math Kangaroo".



My name is Natalie Buriko. I live in Plano, TX and will be in fourth grade at Barksdale Elementary. I study math at RSM Plano. This was my first year participating in Math Kangaroo and I ranked #1 in the state of Texas and nationally. I am so excited about the results and cannot wait to receive a gold medal. This inspires me to participate again in the future and, hopefully, rank on top many times again.

Thank you Math Kangaroo for giving all the kids the opportunity to participate!

Natalie Buriko, Plano, TX

# **Reflections about Math Kangaroo Competition**



Arpit Ranasaria, Redmond, WA

I don't really know where to begin with the Math Kangaroo Competition.

It has had a large impact on my life and my love for math. Ever since I participated in the Math Kangaroo in 2nd grade – my first EVER math competition, I have been hooked on competition math. Something about the logic and unique problem solving ability required to solve the Math Kangaroo problems appealed to me immensely.

And so, from Math Kangaroo, I branched out, participating in the AMCs and MathCounts and going to math camps and diving further and further into the math world. And, I never stopped enjoying the tests that Math Kangaroo gave – while the tests got easier they were still a great way to exercise my mind and I thoroughly enjoyed them.

Then, in 9th grade Math Kangaroo again was introduced me to a whole new field of mathematics: proof and research-based mathematics. I was invited to and participated in the Math Kangaroo camp in Zakopane, Poland and was explored to a whole new array of intricate, beautiful problems. I had a blast there, and from then I was once again inspired to delve deeper into mathematics, this time less into competitions and more into proofs as I participated in proof based competitions such as the USAJMO and ARML and seemed to further my mathematical abilities at camps such as AwesomeMath and SUMaC.

And even as I move into college to explore my mathematical passion and leave Math Kangaroo behind, I am grateful for the fact that **Math Kangaroo introduced me to the wondrous world of math and was with me every step of my journey**.



Alex Bean, Las Vegas, NV

### I loved how fun Math Kangaroo problems are!

They're always creative and make me think about a bigger variety of concepts than most competitions do. Math Kangaroo was a really positive experience for me and I always felt good after doing the problems.

I will be attending MIT and my major is undecided.



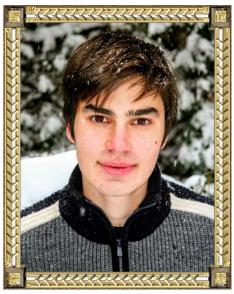
Nicholai Dimov, Short Hills, NJ

I've enjoyed participating in the Math Kangaroo every year since 3rd grade. I always looked forward to the challenging puzzle-type questions, which are different from other American math competitions. Especially when I was younger, I learned many neat tricks by practicing old Math Kangaroo questions, and they were always interesting. The best questions were those where it wasn't immediately obvious what to do, which made them much more satisfying to solve.

I am going to Washington University in St. Louis and I will be studying Mathematics.

Over the years, the main reason I've done math competitions is to track my progress and test my limits. I'm a big believer in comparing yourself to yourself and nobody else; to be honest, the competitive aspect couldn't be less on my mind. That said, I do like to weigh myself against where I was in the past. One of my favorite things about these sorts of individual math competitions is that everyone can decide how competitive they want to be with it. I get that some people want to be the best, but to me, as long as I'm better than I was, I'm happy. Plus, it's a lot more fun than a normal test.

I'm going to be attending the Massachusetts Institute of Technology in Cambridge, Massachusetts.



Stepan (Styopa) Zharkov, Manhattan, KS

### Math Kangaroo has been a journey.

Back in elementary school, I remember placing first in state for the simple reason that I was the only one taking it. Since then, the competition has evolved—a center opened up in my town where numerous rooms fill with students of all ages, each carefully thinking through the problems. While the solutions are developed on paper, a passion for mathematics is developed in the students' heads. As one of these students, I cannot be more thankful.

My participation strengthened my love for math, but also, perhaps even more importantly, connected me with some amazing and talented people. I think that, while the small presents we get are nice, the experience is the real gift.

My part of the journey ends as I go on to college, but Math Kangaroo will continue inspiring kids.

I am going to Stanford University as a Computer Science, Math or Linguistics major. (not sure yet).



Candace Do, Bellevue, WA

Math Kangaroo was the first math competition I ever attended. Through the past ten years competing in Math Kangaroo, I've grown to appreciate the unique problems that Math Kangaroo poses, focusing more on logical thinking rather than the math facts and memorization of other popular math competitions.

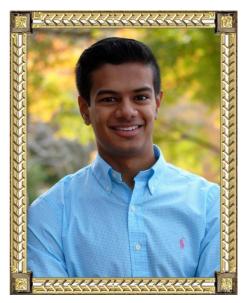
This competition has helped me learn to think outside the box, a skill essential in math and dozens of other fields.



Kevin Chung, Sterling, VA

Math Kangaroo has always been one of my favorite math competitions because it makes students combine math knowledge with logic and spatial reasoning rather than just math problems.

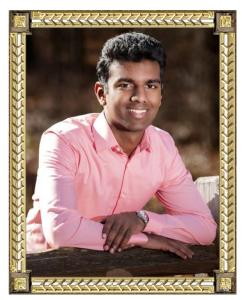
Taking Math Kangaroo felt more like a fun brain exercise than a math test, and I always looked forward to taking it because of that.



Bharath Heggadahalli, Southborough, MA

Math Kangaroo has helped me develop my math skills over the years and I enjoyed practicing for and participating in the competition.

I will be studying Biomedical Engineering at Johns Hopkins University in the fall.



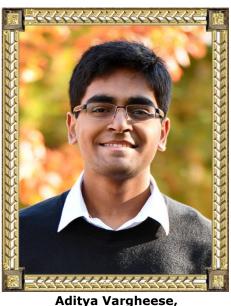
Danush Chelladurai, Shrewsbury, MA

Math Kangaroo was the first event to give me a glimpse into how fun the world of competitive mathematics could be.

It had the rigor of other competitions, but with a dash of fun and interesting puzzles and logic questions that prompted creativity as well. Many of my problem-solving skills were cultivated through my practicing and participation in Math Kangaroo. I looked forward to participating in the competition every year and this past year, the online competition definitely brightened up my quarantine.

Additionally, getting to go to Poland for an international math camp was one of the most unique and fulfilling experiences of my life thus far.

I will be attending Yale College starting next year, with planned majors in Applied Math and Economics.



Overland Park, KS

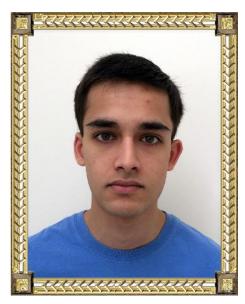
Throughout elementary, middle, and high school, the Math Kangaroo competition has been a fun and challenging event I have looked forward to each year.

I began participating in Math Kangaroo in second grade and have competed every year since. The Math Kangaroo test offered problems combining mathematical concepts of algebra, number theory, and geometry with logic and reasoning. I enjoyed competing in Math Kangaroo as the tests got progressively more difficult every year, introducing new and more challenging concepts.

Through Math Kangaroo, I could compete with my friends as well as myself to try to score as many points as possible. I also benefited from practicing questions as they helped me develop my skills in mathematics.

Along with this, my interest in STEM was established by competitions such as Math Kangaroo. I have benefited significantly from the Math Kangaroo competition and hope to continue to be involved with math competitions in the future.

I will be studying biochemistry at the University of Kansas this fall and hope to continue on to medical school.

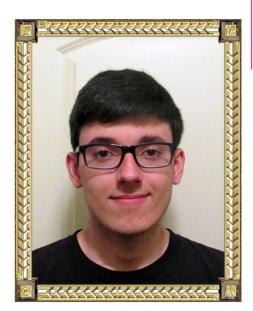


Advait Nene, Hopkinton, MA

I have enjoyed participating in math competitions over the years.

In fact, I got introduced to Math competitions through Math Kangaroo. Once I learned about Math Kangaroo, I made a point of participating every year. I found the Math Kangaroo practice problems very beneficial, because they helped me get a feel for the competition and let me know what concepts I needed to learn.

I am going to attend Carnegie Mellon University in the fall of this year to study Mathematics.



Camil Suciu, Grand Rapids, MI

I have participated in this competition since 5<sup>th</sup> grade in 2013 and every year I was looking forward to the Thursday in March when I would try to do my best and solve the proposed 30 challenging problems. I always kept coming back year in and year out trying to better myself and improve my rankings on the test. Unlike other competitions I believe Math Kangaroo puts more of an emphasis on puzzles and solving them, offering more unique problems that sometimes require more than just math.

Eventually, in 2017 at the end of 9th grade I was invited to go to Zakopane to take part in the Math Kangaroo International Summer Camp and that was an experience I will never forget. Not only did I get to visit Poland and the beautiful landscapes there, but I got to meet other math enthusiasts from other countries such as Germany, Poland and Ukraine. I learned several new techniques there which bettered my mathematical skills while also enjoying a great mountain resort vacation.

Therefore I would like to again thank Math Kangaroo for great memories and the challenging puzzles that I have solved along the way.



Sanath Govindarajan, Exeter, NH

This year has been unusual with me taking the MK exam and all other tests and exams from home.

The experience I had with MK over the years was awesome! The memories of new friends and the beauty of Zakopane will remain with me forever. I felt that the types of problems for different grades were appropriate for those grade levels and they kept me coming back year after year. I love the thinking and reasoning aspects of the problems.

I took Math Kangaroo for the first time in 3<sup>rd</sup> grade. It introduced me to competitive mathematics with a set of questions designed to test creative thinking, not memorization. Since then, I have participated in the Math Kangaroo exam every year until 12<sup>th</sup> grade. Math Kangaroo stands out among math competitions as accessible to students without a lot of prior knowledge of mathematics but still challenging to students with many years of experience under their belt.

As I progressed through the levels, I learned not only new techniques for solving problems, but also interesting facts and ideas in math and logic. I started to view math as a hobby instead of a chore. I believe that Math Kangaroo has something for everyone, regardless of their age or problem-solving ability. It is much more than a contest; it is also a community of volunteers, math enthusiasts and teachers and a great way to get started in mathematics.

I laud the Math Kangaroo organization for its devotion to fostering interest in mathematics in students all over the world, from an early age. For me personally, **this love of mathematics and its applied fields will continue in all of my future endeavors**.

Thank you to all the teachers, volunteers, and other organizers for this event each and every year. Many of the kids in my old school have gotten involved in Math Kangaroo too. We got to know the different families and it became a family event rather than just an exam. The entire experience has been very positive and taught me to solve problems in life and in math in a better way.

Thank you and wishing you the very best for continuing Math Kangaroo in future years!



Jennifer Gao, Clemson, SC

Math Kangaroo has been an influential part of my life for the past seven years.

Competing in Math Kangaroo fostered my love for problem solving, and the unique problems encouraged me to participate every year. The problems were very enjoyable to think about, and working on them definitely helped me improve my critical thinking skills. Above all, the program is incredibly well run and accessible, making it an overall fun experience every single year–1 would highly recommend it to anyone interested in mathematics.

This fall, I will be attending Harvard University, where I plan on studying math and economics. I don't have any specific career plans beyond that, but I hope that I can continue my love for math and problem solving.



Mark Lau, Temple City, CA

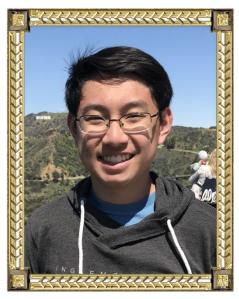
Throughout my upbringing, Math Kangaroo was amongst the top math competitions I participated in annually. With its globally renowned prestige, I had always strived to achieve high rankings every year, which strengthened my competitive nature and passion for competition math.

In fact, in my junior year of high school, I began noticing the importance of these competitions and felt inspired to create something similar for my community; I wanted to foster an atmosphere that brought the youth closer to

mathematics, just as Math Kangaroo did for the young mathematicians I grew up with.

This new goal of mine led to me forming a nonprofit that planned and hosted an annual, local math competition surrounding the theme of number sense.

This fall, I will be attending Georgia Institute of Technology with an intended major of Computer Science.

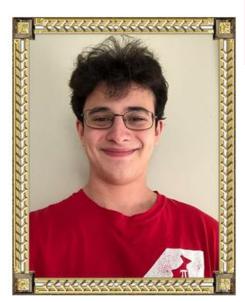


Daniel Ng, Redmond, WA

I thoroughly enjoyed participating in Math Kangaroo during both middle and high school.

Every year, the contest featured new and unexpected challenges for my mathematical intuition, which were incredibly fun to solve. Math Kangaroo is unique as students have to adapt and find novel solutions to the problems posed. The competition lends itself to all ages as well, as it presents a welcoming atmosphere for younger students and remains a fairly relaxed environment for high school students in comparison to other contests.

Next year, I will be studying computer science at Carnegie Mellon University in Pittsburgh, and the experience from Math Kangaroo will surely be useful in my further studies.



Michael Vayninger, Vernon Hills, IL

Math Kangaroo has been a competition I've participated in since 3rd grade, when my parents drove me all the way to Chicago from Wisconsin to let me take it. MK is one of the only math competitions widely available to elementary school students, and is a great way to introduce students to competitive math.

The problems offered in MK are interesting at every level, and are similar to other competitions like Mathcounts. MK has done a great job expanding its reach over the years, and I would encourage that they continue to do so, since greater accessibility to

the contest will surely hook many students like me into competitive math.

Though I practiced few MK problems, practice towards other math competitions like Mathcounts definitely helped me with MK. I would suggest students taking MK as their first competition practice a couple tests worth of questions and to get familiarized with the unique scoring system.

I will be attending the University of Illinois at Urbana–Champaign starting this fall majoring in physics, and am planning to double major in math.



Ezra Gordon, Somerville, MA

I've taken the Math Kangaroo nine times, since fourth grade. It's always been a fun, social math contest, and I've done it at multiple locations. But the Math Kangaroo also has a slightly different feel from other contests. It focuses much more on complicated physical and visual riddles beyond traditional math, and I've always found them very interesting and fun to do. I also really enjoyed having the progressive point values of questions.

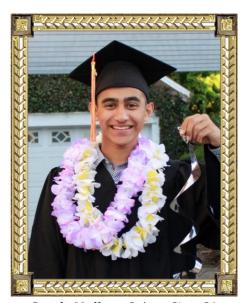
It made time management more involved (in a good way). The Math Kangaroo is a very fun contest!



Jonathan Edelman, Newton, MA

I kept participating because the Math Kangaroo has always had clever, intriguing, questions. I also like the comfortable shirts. Practicing questions always helps.

I will be attending M.I.T. in the fall.



Samir Mallya, Culver City, CA

Math Kangaroo has been my favorite competition since I first participated in 2013. With problems that are always engaging, I've looked forward to it every year. I've also enjoyed the frequent trick questions on the MK that make seemingly simple problems more complex, but that much more rewarding to solve.

I am attending University of California, Los Angeles (UCLA) starting this fall, studying Mechanical Engineering and pre-medicine.



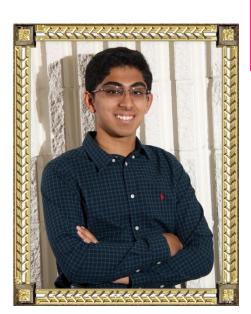
Amy Li, Dallas, TX

Math Kangaroo has been a great experience and a long journey for me. It was the first math competition I entered in third grade, which I clearly quite enjoyed since I continued all the way to 12th grade.

I particularly liked how the problems were more interesting and challenging than those at school. In middle school and high school, I got even more involved in math contests: I was part of the school teams, I traveled often to compete, and I qualified for USAJMO and USAMO.

### Thank you to Math Kangaroo for getting me an early start!

This fall, I will study at MIT, where I'm considering a major in computer science and possibly a double major with math.



Roshan Thekiniath, Naperville, IL

My first Math Kangaroo competition was in 5th grade. Much like other math contests including the AMC and Mathcounts, I found the problems offered in the Math Kangaroo competition innovative, requiring a combination of creativity and technical skill.

The Math Kangaroo competition has allowed me to continue practicing my competitive math skills and building my problem-solving and analytical thinking abilities over the years.

In addition, I believe that Math Kangaroo is one of the more approachable contests, so I would recommend any budding mathematicians to try it out.

# Math Kangaroo 2021 Poster Contest



Joanna Matthiesen, Chief Information Officer

The Math Kangaroo 2021 Poster Contest was a great virtual event. There were 65 posters sent to us from individuals throughout the United States. Ten posters were made by adults and 55 were submitted by school age children from 21 different states. California had the highest number of submissions at 20 posters. It coincides with the Math Kangaroo Competition participation attendance, where state of California accounts for 34% all students' attendance. The effort of choosing best poster was not easy, as there were a great number of strong entries. All posters are being honored on our Facebook page where we present them, one by one, throughout the course of the year, promoting next year's Competition. We chose many favorites, and reflected on them before selecting a winner. We are grateful to all talented artists, students, and adults that were engaged with this design competition that is a tangible entity of the Math Kangaroo Competition and gains popularity each year.

The Best Poster 2021 results are as follows:

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**Best Poster Award** went to **Ramier Villarama** from **Bayonne**, **NJ**. Ramier was an 11<sup>th</sup> grader during the poster submission time. He received a \$200 Amazon gift card and the Best Poster 2021 Winner certificate.

The following are few words from Ramier himself:



Ramier Villarama, Bayonne, NJ

"My name is Ramier Villarama. I live in Bayonne, New Jersey. I am currently 16 years old and a junior at High Tech High School. In school, I am a Culinary Arts major, as one who loves to cook. Besides cooking, my hobbies include biking, playing sports, and working at the pool. Since the age of 9, I have been swimming competitively, which I have grown to love and have such a great passion for the sport. The branch of mathematics I am currently taking is Calculus.

I first heard about the Math Kangaroo competition during my freshman year of high school but did not acknowledge it since my sophomore year. I'd like to give credit to Joana Lohf, a veteran and venerated HTHS teacher, who has been administering the annual Math Kangaroo competition since 2007. Having Ms. Lohf as a teacher for two years now has helped me fall in love with

math even more and gave me the drive to join the competition. For the MK Poster Contest, after signing up for the competition this year, I noticed a call for submissions on the Math Kangaroo website and asked Ms. Lohf if I could enter, which she was very supportive of. As my first time entering, I wanted my poster to be thought out and special.

The poster I created is inspired by math websites, specifically for kids. As I have a younger brother who is in kindergarten, he is usually learning on a computer and on certain websites for math. One day, he asked me for help on a problem, which inspired me to center my eye-catching image on this topic. I still remember fond memories of going on math websites for kids when I was younger and it always making math less serious and more fun. Therefore, I am hoping my poster can capture the average and more younger student's attention and show them that math and contests, like Math Kangaroo, are as fun as these websites, as well as provide a sense of nostalgia for older students.

At the time, I didn't really think about what was going on in the world, but I soon realized that my poster captured the reality of our time and of the Math Kangaroo competition as well, which has moved to online."

**Congratulations to Ramier for his winning entry in our annual poster contest**. He did a terrific job of capturing Math Kangaroo mission in a creative way - in particular by depicting the new reality of an on line competition. Watch for flyers in the entire US featuring Ramier's poster! We would also like to acknowledge the many other wonderful posters submitted for the contest. The leadership team decided to honor a second student whose design features a kangaroo composed of building blocks. The team found the design a creative way to show things kids use to think of mathematics and Math Kangaroo competition. The design was greatly appreciated and voted by the Math Kangaroo Jury as **Best Math Kangaroo 2021 T-shirt design**. The person who made this interesting design was **Szymon Teodorowicz**, a 2<sup>nd</sup> grader from **Cordova**, **TN**. As a token of appreciation, he was awarded a \$100 Amazon gift card and Best 2021 T-shirt Design Winner Certificate. This is what Szymon writes about himself:



Szymon Teodorowicz, Cordova, TN

"My name is Szymon Teodorowicz and I am 9 years old. I go to Campus School University of Memphis at Tennessee, where I am starting 3rd grade.

I love math and I've been participating in Math Kangaroo in USA from 1st grade. My hobbies are playing soccer, biking and reading books. I entered the Math Kangaroo poster contest to show my passion and creativity. I built a kangaroo out of legos.

Math is fun!"





Again, congratulations to the best poster and best T-shirt design winners, and all the other presenters who made this event so enjoyable. All 65 participants received an electronic Math Kangaroo Best Poster Participation Certificate. All the posters are still accessible online at this link <u>HERE</u>.

A new contest for Math Kangaroo 2022 poster starts September 1<sup>st</sup>. Please check our website for the information.

Register your child today! Donate any amount any time! Enroll your school by December 1. No cost for schools. Parents register, and they pay online. Join us on Facebook



## We would like to thank our friends and promoters.



### Please contact us at <u>info@mathkangaroo.org</u> if you or your organization are interested in supporting our endeavor.

### **Our address:**

MATH KANGAROO in USA, NFP P.O. Box 980 OSWEGO, IL 60543 Payments only: MATH KANGAROO in USA, NFP P.O. BOX 56353 CHICAGO, IL 60656

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Earlier bulletins



Magdalena Teodorowicz, Chief Design Officer, Editor of the Bulletin