

Welcome Letters

Welcome, Mathletes, and Coaches, to Las Vegas!

As your Convention host, it's my pleasure to extend a warm welcome to the National Mu Alpha Theta Convention 2024.

Students, within your programs, you'll discover the rich history of Mu Alpha Theta. Delve into the inspiring narrative of this organization's founding, crafted by passionate individuals. Remember, you're not just attendees; you are inheritors of a legacy of mathematical excellence.



Throughout this Convention, you'll encounter a blend of traditional tests and competitions alongside novel topics that push the boundaries of mathematical exploration. Mathematics isn't just a subject; it's a way of life. From speaker sessions to mathematical games, puzzles, and excursions to experiences like Cirque du Soleil's "KA" or "Postcard from Earth" at The Sphere, there's something to ignite your passion and expand your horizons. Make the most of these opportunities to network, forge new friendships, and reignite old ones – for in collaboration lies success.

We extend our heartfelt gratitude to the teachers and MAT alumni who have meticulously crafted, refined, and revised the tests. And to every Mu Alpha Theta student, thank you for your dedication to study and practice, making this Convention a resounding success. A special thanks to the coaches whose expertise, unwavering support and guidance have laid the groundwork for this gathering.

To you, the students, we commend your pursuit of intellectual challenges, leadership roles, and service opportunities within Mu Alpha Theta. Your initiative and achievements will undoubtedly shape your college experiences and future careers.

To our coaches and chaperones: your selfless dedication of time, talent, and energy does not go unnoticed. You are the unsung heroes, enriching the lives of your students and leaving an indelible mark on the educational landscape.

Capture these moments in photographs, for they will serve as cherished memories of this extraordinary journey. And as you look ahead, remember that your contributions to Mu Alpha Theta, whether through generous donations or smaller gestures of support, can make a significant financial impact on future generations of Mathletes. Every dollar invested in our organization fuels opportunities for learning, growth, and the continuation of this vibrant community.

To everyone participating in the competition, I wish you the best of luck! May this Convention be a culmination of learning, growth, and unforgettable experiences in the vibrant city of Las Vegas.

Enjoy every moment!

Sincerely,

Kim Woolfenden
Host & National MAO Convention Coordinator
FAMAT Treasurer

Welcome from the President

On behalf of the Governing Council of Mu Alpha Theta, I would like to welcome you to the 2024 Mu Alpha Theta National Convention!

Mu Alpha Theta's strength lies in our enthusiastic members and committed sponsors who all work to promote scholarship in and enjoyment of mathematics. That commitment and effort is evidenced here by your presence. You have all worked hard to be here this week! Now that you are finally here, I hope you enjoy the math events and speakers. I hope you get to explore all of the fun activities Las Vegas has to offer. I'm sure you're excited about the excursion we will have on Wednesday and other events throughout the week. The convention host and test coordinator have worked tirelessly over the last few years to make this week an awesome experience for all participants.

I look forward to meeting many of you this week. Please do not hesitate to approach any of the Governing Council members with ideas or comments you would like to share or just say hello. You can identify us by the ribbons on our nametags.

Have a great week!

Sincerely,

Rob Snow
Mu Alpha Theta National President

Welcome from the Executive Director

Hello Mu Alpha Theta,

Welcome to our National Convention! More than 600 members and sponsors will join us this week, along with our Governing Council members, in beautiful and very warm Las Vegas!

I want to express my sincerest thanks to Kim Woolfenden, Will Frazer, and Karen Kating for their dedication to all of the details that make a Mu Alpha Theta convention come together.

I encourage all attendees, especially those who have attended the National Convention on a regular basis, to extend a friendly hand to newer members and sponsors who may be joining us for the first time, helping to make them feel welcome, encouraging their participation, and demonstrating MA Θ 's breadth and inclusiveness as a professional organization.

The National Convention gives us cause to celebrate the life and vibrancy of mathematics, and the commitment that our members and sponsors bring to Mu Alpha Theta. I am so happy that all of you are here, and that our celebration of math will continue to infinity!

Sincerely,

Dana Wade
Executive Director

Welcome from the Representatives



Dear Students and Teachers,

The National Council of Teachers of Mathematics (NCTM) welcomes you to the 2024 Mu Alpha Theta National Convention.

NCTM is the world's largest mathematics education organization, with 60,000 members and more than 200 affiliates throughout the United States and Canada. Our vision is to ensure that all students have access to the highest quality mathematics teaching and learning. We envision a world where everyone is enthused about mathematics, sees the value and beauty of mathematics, and is empowered by the opportunities mathematics affords.

As Mu Alpha Theta members, you embody the vision of NCTM. You have devoted part of your life to promoting an interest in mathematics while developing strong scholarship in the subject. You organize tutoring for those in need.

You create mathematics competitions in your school, states, and nation. You provide opportunities for all students to celebrate mathematics. Your passion for mathematics brings the joy of mathematics to other students.

Thank you for all your good work! On behalf of NCTM, I wish you a successful convention.

Sarah Hyde
NCTM Representative



To all Attendees,

The Society of Industrial and Applied Mathematics (SIAM) is an organization of more than 14,000 applied mathematicians. The SIAM membership joins me in welcoming you to the 2024 Mu Alpha Theta National Convention. We recognize the time and effort that goes into preparing for competitions and extend our best wishes for a rewarding experience at the convention. There is an urgent need to solve complex problems that are of interest to industry, business, and government organizations. Your sponsors and teachers attending this convention play a major role in preparing you to become mathematicians, scientists, and engineers who will address the complex challenges of the future. You, the students, represent the future, which is very promising indeed.

Dr. Olalekan Babaniyi
SIAM Representative



Dear Students and Sponsors,

Welcome to the Mu Alpha Theta National Convention! The Mathematical Association of America (MAA), with over 15,000 members, is proud to play a role in supporting Mu Alpha Theta and its 2024 National Convention.

The MAA is the largest professional organization of mathematicians and mathematics teachers devoted to the teaching and learning of mathematics at the undergraduate level. This naturally overlaps with upper-level high school courses, and so the MAA supports high school mathematics as well. Of course, many of you know the MAA through its contests: the AMC, the AIME, and the USAMO. We hope that many of you participate in these contests and find them rewarding and interesting. Our quarterly magazine, *Math Horizons*, introduces students to mathematics beyond the classroom, and is accessible for talented high school students. Each year, we also recognize up to 20 outstanding middle and high school teachers with the Edyth May Sliffe Awards for Distinguished Mathematics Teaching. (Please consider nominating one of your great math teachers for this award!) That is just the beginning of what the MAA is and what the MAA offers for students and teachers. Check us out at www.maa.org. We welcome student and teacher members.

To all of the students participating here, I wish you the best of luck! I hope this is either the continuation or the beginning of a long involvement with the community of mathematics enthusiasts. To all of the sponsors who make this possible, thank you for all the effort and energy you put into bringing along the next generation of mathematicians and math teachers.

Dr. Chuck Garner
MAA Representative



Welcome to Las Vegas everyone,

On behalf of the American Mathematical Association of Two-Year Colleges (AMATYC), I want to wish you a warm welcome to the 52nd Annual Mu Alpha Theta National Convention. AMATYC is a proud sponsor of Mu Alpha Theta, and we hope you enjoy the many competitions, engage in lively conversations, and have an overall great time in Las Vegas.

This is my first Mu Alpha Theta Convention, and I am your new AMATYC Representative, so I look forward to learning about the convention and meeting as many of you as possible. I know this will be an exciting learning experience with wonderful memories to share upon your return home.

Mari Menard
AMATYC Representative

Mu Alpha Theta National Board Members

President	Rob Snow Deerfield Beach High School Deerfield Beach, FL
Past President	Rita Ralph Columbus State Community College, Columbus, Ohio
Secretary-Treasurer	Dr. John Albert University of Oklahoma, Norman, Oklahoma
Region 1 Governor	Tom Clymer Math Enthusiast, Burien, WA
Region 2 Governor	Tonia Crow University of Arkansas, Fayetteville, AR
Region 3 Governor	Betty Hood Brentwood High School, Brentwood, TN
Region 4 Governor	Daniel Bonnett Riverside High School, Belle, WV
MAA Representative	Dr. Chuck Garner Rockdale County High School, Conyers, Georgia
NCTM Representative	Sarah Hyde Vestavia Hills High School, Vestavia Hills, Alabama
SIAM Representative	Laken Babaniyi Rochester Institute of Technology, Rochester, NY
AMATYC Representative	Mari Menard Lone Star College - Kingwood, Kingwood, TX
Executive Director	Dana Wade Mu Alpha Theta, Norman, Oklahoma

Welcome from Student Delegate President

Welcome to the 2024 Mu Alpha Theta National Convention!

As your Student Delegate President, it has been my absolute honor to serve our community this past year. Together, we've integrated a love for mathematics into every part of our journey.

Although we've already made it to Vegas, it's not too late to join the conversation! Connect with us on our Discord server (<https://discord.gg/hvzFKvgXbh>) and follow our Instagram (@mualphatheta) for live updates and a behind-the-scenes look at the convention. Don't forget to check the schedule for all the exciting competitions and fun events we have lined up—it's going to be an epic adventure in the world of math!

This convention is not just about numbers; it's about connections. I encourage you to meet new people from other schools, exchange ideas, and try new things. Every interaction is a chance to expand your network and add new dimensions to your mathematical understanding.

Whether you have questions, ideas, or just want to complain about the number of puns I threw in this, feel free to reach out to any of the student delegate officers. We're willing to bet that you'll have a great time this week!

-Jesse Brodtman

Student Delegate Officers

President	Jesse Brodtman American Heritage – Palm Beach, Delray, FL (Region 4)
Vice-President	Peter Le Jesuit High School, New Orleans, LA (Region 2)
Secretary	Allison Xie Vestavia Hills High School, Vestavia Hills, AL (Region 3)
Parliamentarian	Mackenzey Beppu Kamehameha Schools, Honolulu, HI (Region 1)

History of Mu Alpha Theta

Mu Alpha Theta was first conceived by a committee of the National Council of Teachers of Mathematics in 1957 under the chairmanship of Dr. Richard V. Andree of the University of Oklahoma. Since then, the Mu Alpha Theta National High School and Two-Year College Mathematics Honor Society has established itself as an organization dedicated to cultivating keener interest in mathematics, developing sound scholarship in the subject, and promoting the enjoyment of mathematics for high school and two-year college students.

Pi Mu Epsilon, the National Collegiate Honor Society of Mathematics, contributed funds for the organization's original expenses; the University of Oklahoma provided space, clerical help, and technical assistance; and the Mathematical Association of America, a primary sponsor of the organization since 1958, and the National Council of Teachers of Mathematics nominated the first officers and Board of Governors.

The official journal of Mu Alpha Theta, *The Mathematical Log*, was first issued in mimeograph form in 1957, and began in printed form in September 1958. Mrs. Andree served as the first Editor-in-Chief of the Log until September 1959. The Log featured mathematical articles written especially for high school students, reports from clubs on interesting meetings, challenging mathematical problems, and news. The last issue of *The Mathematical Log* ran in 2002.

In March 1958, nearly 200 eager Mu Alpha Theta members assembled at the University of Oklahoma for a regional meeting that included reports by selected students, lectures by math professors, and a tour of the computer laboratory. The meeting was so successful that other regional meetings were arranged in California, Missouri, Pennsylvania, Maryland, and Illinois. These meetings soon became a regular Mu Alpha Theta activity.

The success of an organization such as Mu Alpha Theta is the result of the enthusiasm and work of many people, many of whom are the namesakes of Mu Alpha Theta awards and scholarships.

In 1972, Dr. Huneke succeeded Mrs. Andree. His industriousness and dedication prompted the National Council of Teachers of Mathematics to become a co-sponsor of Mu Alpha Theta. By then, Mu Alpha Theta had grown to a total of more than 1,000 chapters, with more than 30,000 active members. Of course, Mu Alpha Theta measures its success not in the number of members, but in terms of its service rendered to members who find an active place in the modern world of mathematics.

Since that time, the organization has grown to over 2,630 chapters with more than 123,800 student members. This year, Mu Alpha Theta and its Educational Foundation awarded more than \$400,000 in scholarships, grants, awards, and prizes.

Mu Alpha Theta Educational Foundation

In 1996, Mu Alpha Theta established the Mu Alpha Theta Educational Foundation to help support the expenses of state, regional, and national mathematics competitions and conferences sponsored by the organization. In July 2004, the by-laws were amended to allow the Foundation to provide educational scholarships, awards, and grants, including the Mary Rhein Memorial Scholarship, the Sallie Scudder Memorial Scholarship, and the Paul R. Goodey Scholarship. In celebration of Mu Alpha Theta's 60th anniversary, the Educational Foundation and Mu Alpha Theta together awarded 60 scholarships in 2017. The Kay Weiss Scholarship was added in 2018 in honor of our previous executive director who retired in 2016.

The Foundation is directed by the Governing Council of Mu Alpha Theta. The Foundation seeks both monetary and product donations to support its goals. Each purchase of an honor cord or tassel is a donation to the Educational Foundation so that it may continue to serve Mu Alpha Theta members.

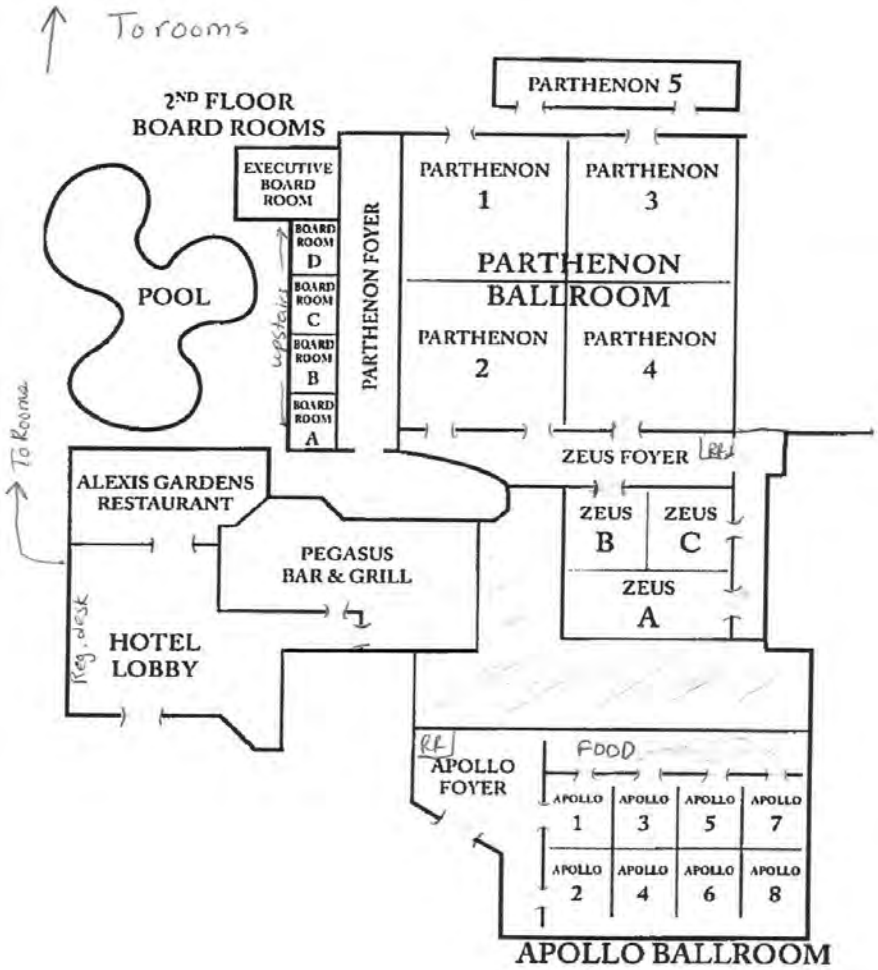
Past National Conventions

- 2024 Alexis Park All Suite Hotel in Las Vegas, NV**
Kim Woolfenden, (Retired) (FL)
- 2023 University of Arkansas, Fayetteville, AR**
Tonia Crow and Kim Woolfenden
- 2022 Hilton Alexandria Mark Center, Alexandria, VA**
Steve Friedlander and Kim Woolfenden
- 2021 Virtual & In-Person**
Rob Snow, Deerfield Beach High School (FL)
- 2020 Myrtle Beach, SC - Cancelled due to COVID-19 pandemic**
- 2019 Alexis Park All Suite Hotel in Las Vegas, NV**
Kim Woolfenden, Tampa Bay Tech (Retired) (FL)
- 2018 DoubleTree Hotel, Colorado Springs, CO**
Todd Taylor, Vestavia Hills HS (AL)
- 2017 Adam's Mark Hotel in Buffalo, NY**
Sue Doker, Lincoln High School & Kim Woolfenden, Tampa Bay Technical High School (FL)
- 2016 Washington University in St. Louis, MO**
Todd Taylor, Vestavia Hills HS (AL)
- 2015 University of Utah, Salt Lake City, UT**
Thom Morris, Berkeley Preparatory School (FL)
- 2014 DoubleTree Hotel at Entrance to Universal**
Rob Snow, Deerfield Beach HS & Lisa Herron, Cypress Bay HS (FL)
- 2013 Town & Country Resort, San Diego, CA**
Tom Norris, Thomas Jefferson HS & Tom Tosch, Mount Rainier HS (WA)
- 2012 Park Plaza Hotel, Boston, MA**
Thom Morris, Berkeley Preparatory School & Sue Doker, Lincoln HS (FL)
- 2011 Embassy Suites Dallas-Frisco, Frisco, TX**
Todd Taylor, Vestavia Hills HS & Bonnie Campbell, Hoover HS (AL)
- 2010 Hilton Alexandria Mark Center, Alexandria, VA**
Susan Hiller & Brandi Hillard, Vero Beach HS, & Kim Woolfenden, Tampa Bay Technical HS (FL)
- 2009 Knoxville Convention Center, Knoxville, TN**
Betty Hood, Brentwood HS; Cyndy Howes, Ravenwood HS; & Mary Emma Bunch, Farragut HS (TN)
- 2008 Holiday Inn Sacramento Capitol Plaza, Sacramento, CA**
Thom Morris, Berkeley Preparatory School (FL)
- 2007 Grand Hyatt Tampa Bay, Tampa, FL**
Christine Brzycki & Dave Macfarlane, Palm Harbor University HS (FL)
- 2006 Ft. Collins Hilton Hotel, Ft. Collins, CO**
Thom Morris, Berkeley Preparatory School & Sue Doker, Lincoln HS (FL)
- 2005 Ala Moana Hotel, Honolulu, HI**
Calvin Fukuhara, Kimlynn Slagel, Elizabeth Motoki, & Lawrence Park, Kamehameha Schools (HI)
- 2004 Huntsville Hilton and Von Braun Center, Huntsville, AL**
Cindy Rodgers & Beth Andrada, Grissom HS (AL); Mary Rhein, Lakota West HS (OH); Allen MacKenzie, Virginia Tech (
- 2003 Emory Conference Center Hotel, Atlanta, GA**
Thom Morris, Berkeley Prep School; Sam Koski, Miami Springs HS; & Susan Hiller, Vero Beach HS (FL)
- 2002 Mississippi State University, Starkville, MS**
Claudia Carter & Linda Bridges, Mississippi School for Math and Science (MS)
- 2001 Renaissance Hotel, Denver, CO**
Tom Norris, Thomas Jefferson HS (WA) & Tom Kammerling, Ponderosa HS (CO)
- 2000 San Diego State University, San Diego, CA**
Thom Morris, Berkeley Preparatory School, & David Steele, Plant City HS (FL)
- 1999 Park Vista Hotel, Gatlinburg, TN**
Grace Mutz & Mary Emma Bunch, Farragut HS (TN) & Mary Rhein, Lakota West HS (OH)
- 1998 Holiday Inn O'Hare, Chicago, IL**
James Aiu, Lincoln-Way HS; Pat Bowler-Johnson, New Trier HS; & Ron Vavrinek, Illinois Mathematics and Science Academy (IL)

Past National Conventions Continued

- 1997 **University of Washington, Seattle, WA**
Tom Norris, Thomas Jefferson HS (WA)
- 1996 **University of Central Florida, Orlando, FL**
Frank Caballero & Sam Koski, Miami Sunset Sr. HS; Robert Lundblad, Miami Killian Sr. HS (FL)
- 1995 **Sugarloaf Resort, Carrabasset Valley, Maine**
Lee T. Pedersen, Vinalhaven HS (ME)
- 1994 **Clarion Hotel, New Orleans, LA**
Gary Blackburn, Brother Martin HS (LA)
- 1993 **Brigham Young University, Laie, HI**
Jeanne Nelson, Kamehameha Schools & David Furuto, Brigham Young University (HI)
- 1992 **Princeton University, Princeton, NJ**
Thom Morris, Berkeley Preparatory School (FL)
- 1991 **Huntsville Hilton, Huntsville, AL**
Dorothy Wendt & Randy Long, Grissom HS; Gwen Snoddy, Austin HS; Kay Tipton, Vestavia Hills HS (AL)
- 1990 **Northern Illinois University, DeKalb, IL**
Pat Bowler-Johnson & Richard Rhoad, New Trier HS, & Ron Vavrinek, Illinois Mathematics and Science Academy (IL)
- 1989 **Hyatt Regency-Westshore, Tampa, FL**
Thom Morris, Berkeley Preparatory School; David Steele, Plant City HS; & Ron Carell, King HS, (FL)
- 1988 **University of Tennessee, Knoxville, TN**
Grace Mutz & Mary Emma Bunch, Farragut HS (TN)
- 1987 **University of Washington, Seattle, WA**
Paul See, Bainbridge HS (WA)
- 1986 **University of Miami, Miami, FL**
Helen Dostal, North Miami Beach HS & Frances McCreary, Coral Springs HS (FL)
- 1985 **Kamehameha Schools, Honolulu, HI**
Jeanne Nelson, Kamehameha Schools (HI)
- 1984 **Tulane University, New Orleans, LA**
Claudia Carter, St. Mary's Dominican HS (LA)
- 1983 **University of Oklahoma, Norman, OK**
David Drennan, Norman HS & Don Young, Putnam City West HS (OK)
- 1982 **Washington University in St. Louis, St. Louis, MO**
Akehiko Takahashi, Wentzville HS (MO)
- 1981 **University of California at Los Angeles, CA**
Fred Hansen, La Canada HS & Crescenta Valley HS (CA)
- 1980 **Georgia Institute of Technology, Atlanta, GA**
Pam Drummond, Walton HS (GA)
- 1979 **Athens State College, Athens, AL**
Gwen Snoddy & Thomas Thrasher, Austin HS (AL)
- 1978 **University of Wisconsin at Stevens Point, WI**
Robert Meyer, Tomahawk HS (WI)
- 1977 **Loras College, Dubuque, IA**
Joyce Hubka-Becker, Wahlert HS (IA)
- 1976 **West Chester State College, West Chester, PA**
Philip Conner, Penncrest High School (PA)
- 1974 **University of Arkansas, Fayetteville, AR**
Marion Crum, Fayetteville HS (AR)
- 1973 **University of Wisconsin at Milwaukee, WI**
Mary Lynne Coon, Wauwatosa West HS (WI)
- 1972 **Louisiana State University, New Orleans, LA**
Brother Leo Harvey, Archbishop Rummel HS and Archbishop Chapelle HS (LA)
- 1970 **University of Pittsburgh, Pittsburgh, PA**
Theodore Romano, Keystone Oaks HS and Richland Sr. HS (PA)
- 1968 **Trinity University, San Antonio, TX**
Paul Foerster, Alamo Heights HS & Howard Wildman, John Jay HS (TX)

Hotel Map



Convention Speakers

OPENING CEREMONY Speaker:

Richard Rusczyk founded the Art of Problem Solving (AoPS) in 2003 to create interactive educational opportunities for avid math students. Art of Problem Solving now reaches hundreds of thousands of high-potential math students every year through its learning centers, online schools, books, websites, and online learning systems. Richard authored or co-authored 7 math textbooks and was one of the co-creators of the Mandelbrot Competition, and a past Director of the USA Mathematical Talent Search. Richard was a participant in National MATHCOUNTS, a three-time participant in the Math Olympiad Summer Program, and a USA Mathematical Olympiad winner (1989). He graduated from Princeton University in 1993 and attended 4 Mu Alpha Theta National Conventions as a student.

TUESDAY SPEAKER SESSIONS:

John Pritchett began his teaching career in a small town in north central NC in 1989. From there he migrated to teach in Raleigh at 3 high schools and NC State University until he retired in June of last year. He taught the whole spectrum of curriculum from 8th graders to preservice math teachers with side trips into teaching computer applications and marching band. In his last few years, in addition to classroom teaching, he participated in a number of curriculum development projects. The latest was developing activities for CIMI (Connecting Industry with Math Instruction) along with the local community college under an NSF grant. He started as a Math Teacher in Residence with NumWorks in August 2023, where he enjoys chatting with teachers about good practices and effective implementation of technology in the classroom.

Title: You've spent years mastering your calculator. However, every year, new students pick up these unfamiliar devices that have not evolved with the world around them. Many AP students are picking up these handheld devices for the first time after using only digital and scientific calculators before their AP courses. NumWorks is the calculator for all students! Join us in this session to familiarize yourself with the NumWorks graphing calculator! We will explore the app-based design and demonstrate commonly used features within each app. As both a handheld device for exams and a free online calculator with a desktop website and mobile application, your students will always have access to the tools they use in the classroom!

I would encourage attendees to bring their cell phone/laptop if they do not already have a NumWorks device.

Tuesday 7.9.2024 Session 1 10:30-11:30AM & Session 2 1:15-2:15PM Parthenon Ballroom

Frank Caballero has a BS Chemical Engineering, University of Washington, Seattle, WA
MA Mathematics, University of North Carolina, Chapel Hill, NC
Miami-Dade Public Schools Mathematics Teacher
Mu Alpha Theta Region IV governor
Mu Alpha Theta National Convention Co-host, Orlando, 1996
Has attended 20 Mu Alpha Theta National Conventions.

Title: Rene Descartes: Mathematician. Philosopher. Thinker

Tuesday 7.9.2024 Session 1 ONLY 10:30-11:30AM Zeus B/C

Tom Reardon taught mathematics for 35 years at Fitch High School, where he served as department chair, and for 39 years at Youngstown State University in Ohio. He has been doing Professional Development in mathematics technology for school districts across the U.S. and internationally since 1995 – in 48 states and 8 countries. His specialties are graphing technologies (T³ national instructor), iPads, SMART Boards, integrating multiple technologies, problem solving, ACT/SAT prep, and pedagogy. He has earned numerous teaching awards including the Presidential Award for Mathematics Teaching and has achieved National Board Certification. Tom regularly speaks at NCTM and T³ national and regional conferences. He also has been a keynote or featured speaker at numerous state math, STEM, and technology conferences.

First Session on Monday - Teachers only Session 1 8:30-9:30AM Parthenon 5
Maximize Achievement on the ACT with Activities and Technology

The TI-84 can be used on every question on the ACT. Use it as a teaching and learning tool daily and as an assessment tool. Conceptual understanding of functions, matrices, exponents, area, perimeter, systems, science. Obtain activities that augment what you already do and address how ACT asks their questions so very differently than textbooks do. Hands-on with the color TI-84 CE. Completely different from the SAT talk. Prizes!

Second Session on Monday - Teachers only Session 1 10:45-11:45AM Parthenon 5
Preparing for the SAT - Focus on Conceptual Understanding

We will focus on strategies for taking the math SAT and illustrate – hands on – how to use the color TI-84 CE, which can be used on most questions on the SAT. Use it as a teaching and learning tool daily. Get your students to think graphically. And by table. Obtain materials and ideas to help your students – at all levels – perform better on the SAT and retain that knowledge better. Completely different from the ACT talk. Prizes!

First Session - Students on Tuesday Session 1 10:30-11:30AM Parthenon 5

Climate Change - Model Mathematically Data from The Climate Reality Project Training with Al Gore

See and experience slides from environmentalist and former vice president, Al Gore. Obtain the most current data about climate change, its causes and its consequences. Model this significant data using the mathematics that you are studying. Become more socially aware of this important issue with excellent applied mathematics. You will be amazed. And inspired. Hands-on with the color TI-84 CE. Prizes!

Second Session - Students on Tuesday 1:15-2:15PM Parthenon 5

Interpreting Key Social Issues with Data: Plastic Straw Pollution and PayDay Loan Companies

Mathematically interpret and model this surprising and shocking real data. Create social awareness about both of these important problems of today. How many plastic straws are used in the US daily? What is the actual interest rate charged for borrowing money from PayDay Loan companies? Hands-on with the color TI-84 CE. Prizes!

Tuesday 7.9.2024 Session 1 10:30-11:30AM & Session 2 1:15-2:15PM Parthenon 5

Rob Snow has taught Math at Deerfield Beach High for 26 years. He was an active Mu Alpha Theta participant in high school and attended the National Convention in Hawaii in 1993. He graduated from Florida State University with his Bachelor's in 1996 and his Master's in Math Education in 1998. He has been the Mu Alpha Theta sponsor at Deerfield Beach his entire career. He has been on the Florida Association of Mu Alpha Theta's board of directors since 2004 as a Regional Director, Vice President in charge of testing and has been the President of FAMAT since 2011. Rob is currently the President of the Governing Council of the national organization of Mu Alpha Theta.

Title: These sessions with the sponsors and students are designed for the participants to ask questions and gain insight on the variety of topics and activities that schools do annually. Every school started somewhere with their chapter and have adapted their strategies in practicing, fundraising, doing community service and growing their chapters over the years. Sponsors and students can equally contribute to a school chapter from different perspectives and these sessions will help guide them to their future goals.

Tuesday 7.9.2024 Session 1 10:30-11:30AM & Session 2 1:15-2:15PM Zeus A

Lisa Herron is currently the AP and Cambridge Testing Coordinator at Cypress Bay High School in Weston, FL. A math educator for 32 years, she has taught all levels of mathematics from General Mathematics to Pre-Calculus. Lisa also has taught Cambridge Thinking Skills and Cambridge Information Technology and currently trains teachers nationwide in these two subjects.



Throughout her career, Lisa has achieved numerous awards and accolades, including speaking at the NCTM Regional conference in St. Louis, having the Secretary of Education Dr. Miguel Cardona visit her classroom as part of the nation's only FBI CyberSTEM program, and being selected as Cypress Bay High School's Teacher of the year for 2022-23. Also in 2023, Lisa was one of four teachers awarded the State of Florida Educator of Excellence Award and was recognized at a reception in the Governor's Mansion.

Lisa's love for mathematics began at an early age, and she was inducted as a member of the Coral Springs High School chapter of Mu Alpha Theta in 1984. Lisa became the sponsor of the Cypress Bay Mu Alpha Theta chapter in 2006 and served in that position until 2022. She currently serves as an advisor and chaperone for the chapter. Lisa has served as the Region V director for the Florida Association of Mu Alpha Theta and was also the FAMAT Vice-President for State Conventions. Lisa was also the first African American to be elected president of the Mu Alpha Theta and served in this position from 2018-2022.

Title: "Mathematical Adventures for Everyone"
This session will cover some fun mathematical adventures that do not require heavy duty math--just some thinking and patience! This session will include six problem solving questions that are challenging but solvable. You will need to bring a pencil to this session.

Tuesday 7.9.2024 Session 2 ONLY 1:15-2:15PM Zeus B/C

Convention Schedule

 Mu Alpha Theta National Convention 		
Las Vegas, Nevada July 7-12, 2024		
SUNDAY – 7/7		
8:00-2:00 pm	Governor's Meeting	EXECUTIVE Board Room
3:00-5:30 pm	Registration Parthenon Foyer then	upstairs as you are called up.
10am -5:30 pm	Luggage holding	With the Bell man at the front desk
5:00-7:15 pm	DINNER	APOLLO (Teachers - front of the line)
6:00-7:15 pm	Dinner/Meeting with LEAD Coaches	ZEUS (food is in here, LEAD + 1 only)
7:30-9:00 pm	Opening Ceremony (poster theme)	PARTHENON
9:30 - ? pm	Mixer	PARTHENON
11:30 PM	Curfew	In Your OWN Room
<i>Get some rest! Tomorrow will be a LONG day! You need to sleep.</i>		
MONDAY – 7/8		
<i>YOGA Stretch 5:15a-6:15a 3rd floor green space. Bring your mat or a towel.</i>		
6:30-8:00 am	Breakfast	APOLLO
7:00 am-7:45am	New Sponsor with Buddy - Breakfast	ZEUS (food is in here)
8:00-8:45 am	College Coaches talk with Rita Ralph	ZEUS (food is in here)
8:30-10:00 am	TOPIC TEST 1	PARTHENON
Theta-Triangles	Alpha-Eqn & Inequalities	Mu-Limits & Derivatives
Theta-Eqn & Ineq	Alpha-Math in Physics	Mu-BC Calculus
Theta-Conics&Analytic Geom	Alpha-Analytic Geometry	Mu-Math in Physics
	Open-History of Math - ZEUS	
8:30-9:30 am	Sponsors: Texas Instruments Tom Reardon	PARTHENON 5
10:00-10:15 am	Disputes Open 15 minutes after test is over. Get disputes on stage, turn in Parthenon Foyer	Parthenon Foyer
10:45-11:45 am	Sponsors: Texas Instruments Tom Reardon	PARTHENON 5
10:30-12:00	Individual Tests: Mu, Alpha, Theta	PARTHENON
12:00-12:15 pm	Disputes Open 15 minutes after test is over. Get disputes on stage, turn in Parthenon Foyer	Parthenon Foyer
12:15-1:30 pm	Lunch	APOLLO
	Delegate Meeting w/ lunch	ZEUS (food is in here)
1:45-4:45 pm	Chalk Talk Finals	
	Mu - Math and Profitability (Entertainment and Gambling)	PARTHENON
	Alpha - Math and the Desert (Climate effects, water sources)	PARTHENON 5
	Theta - Math and Desserts (Baking industry in hotels)	ZEUS

	HOLDING ROOM	Alexis Gardens Restaurant or?
5:00-7:00 pm	Dinner (Kalin Finalist eat at 4:45)	APOLLO (Teachers - front of the line)
5:05-5:50 pm	Mental Math - 3 kids, Unlimited coaches	PARTHENON
	Speed Math - 3 kids, Unlimited coaches	PARTHENON
6:00-8:00 pm	Governor's Meeting/Kalin Interviews	Executive Board Room
8:00-10:00 pm	AoPS Interschool Test	PARTHENON
11:15-11:30 pm	Curfew	In Your Room

TUESDAY-7/9 *Mondays Verification sheets due before 9 am*

YOGA Stretch 5:15a-6:15a 3rd floor green space. Bring your mat or a towel.

6:30-8:00 am	Breakfast	APOLLO
	New Sponsor Breakfast	Pegasus Showroom
8:30-10:00 am	TOPIC TEST 2	PARTHENON
Theta-Applications	Alpha-Applications	Mu-Applications
Theta-Comb & Prob.	Alpha-Trigonometry	Mu-Integration
Theta-Circles & Polygons	Alpha-Combinations & Probability	Mu-Combinations & Probability
	Open-Number Theory	
9:00-10:00 am	LEAD Sponsor's Mtg -Bus info to "KA" a Cirque du Soleil Show or The Sphere	PARTHENON 5
10:00-10:15 am	Disputes Open 15 minutes after test is over. Get disputes on stage, turn in Parthenon Foyer	Parthenon Foyer
10:30-11:30 am	Speaker Sessions pick one. Raffle Tickets passed out at the end of the session.	
11:30-1:00 pm	Lunch	APOLLO
	Delegate Meeting w/ lunch	ZEUS
1:15-2:15 pm	Speaker Sessions pick one. Raffle Tickets passed out at the end of the session.	
2:45-4:30 pm	CIPHERING	PARTHENON
4:30-4:45 pm	Disputes Open 15 minutes after test is over. Get disputes on stage, turn in Parthenon Foyer	Parthenon Foyer
5:00-7:00 pm	Dinner	APOLLO
8:00-9:45 pm	HUSTLE (send 1 sponsor, 1 other)	PARTHENON
8:00-9:45 pm	RELAY	ZEUS
9:30-9:45 pm	Disputes Open 15 minutes after test is over. Get disputes on stage, turn in Parthenon Foyer	Parthenon Foyer
10:00-11:15 pm	1st Awards Ceremony	PARTHENON
11:15-11:30 pm	Curfew	In Your Room

Wednesday-7/10 *Tuesdays Verification sheets due before 9 am*

YOGA Stretch 5:15a-6:15a 3rd floor green space. Bring your mat or a towel.

7:00-8:30 am	Breakfast	APOLLO
8:45-10:00 am	TOPIC TEST 3	PARTHENON

Theta-Area & Volume	Alpha-Sequences & Series	Mu-Areas & Volume
Theta-Logs & Exp	Alpha-Matrices and Vectors	Mu-Sequences & Series
Theta-Seq & Series	Alpha-Complex Numbers	Mu-Comprehensive
	Open-Discrete	
10:00-10:15 am	Disputes Open 15 minutes after test is over. Get disputes on stage, turn in Parthenon Foyer	Parthenon Foyer
10:30-11:30 am	College Time for Seniors	ZEUS
11:45-1:00 pm	2nd Awards Ceremony	PARTHENON
1:15-2:45 pm	LATE Lunch	APOLLO
before 2pm Wednesday	Poster Due Name on BACK, no WET paint	Parthenon Foyer
3:00- 6	DINNER ON YOUR OWN	
5-6pm loading times TBD	BUS LOADING or WALK	Staging in APOLLO
<i>"KA" at the MGM Grand OR The Sphere - "Postcard from Earth"</i>		

7pm show times

<i>KA... DO NOT CROSS LINES INTO CASINO AREAS!</i>		
<i>When shows are over follow BUS LOADING TIMES or WALK back with COACHES</i>		
11:15-11:30 pm	Curfew	In Your Room
Thursday—7/11 <i>Wednesdays' Verification sheets due before 9 am</i>		
<i>YOGA Stretch 5:15a-6:15a 3rd floor green space. Bring your mat or a towel.</i>		
6:30-8:00 am	Breakfast	APOLLO
THURSDAY 8:15am -?	Poster Judging	PARTHENON 5
8:30-9:45 am	SCHOOL BOWL (no 1-person teams)	PARTHENON
	*Gemini SAME SCHOOL groups of 2.	ZEUS
9:45-10:00 am	Disputes Open 15 minutes after test is over. Get disputes on stage, turn in Parthenon Foyer	Parthenon Foyer
10:00am - 4:00pm	Massage Time for Coaches Sign up for times	PARTHENON 5
11:30-1:30 pm	Lunch POOL PARTY TIME	Pool or APOLLO Lunch
11:00-1:00 pm	Delegate Meeting w/ lunch (meeting starts 11:30)	ZEUS (food in room)
Today's (Thursday) Verification sheets are due BEFORE 2pm		
1:30-4:30 pm	Free Time to Explore	
5:00-7:00 pm	Dinner	APOLLO
7:30-10:00 pm	Final Awards A Dressy Affair	PARTHENON
11:15-11:30 pm	Curfew	In Your Rooms
Friday—7/12 <i>Buses to airport. 3am until 3:30 pm</i>		
<i>Grab and Go Breakfast (pre-paid by school) See you next year in Orlando!</i>		

Participating Chapters

ALABAMA

Alabama School of Fine Arts
Grissom High School
Hooper Academy
Vestavia Hills High School

CALIFORNIA

Oaks Christian High School

FLORIDA

American Heritage High School - Broward
American Heritage Schools - Palm Beach Campus
Buchholz High School
Cypress Bay High School
Deerfield Beach High School
Doral Academy Preparatory School
Dunbar High School
Florida State College at Jacksonville
Gainesville High School
Millennium 6-12 Collegiate Academy
Orlando Science Schools
Rickards High School
Saint Edward's School

HAWAII

Kamehameha Schools

INDIANA

Marion High School

LOUISIANA

Baton Rouge Magnet High School
Benjamin Franklin High School
Catholic High School
Jesuit High School

NEBRASKA

Scottsbluff High School

TENNESSEE

Brentwood High School
Cookeville High School
Memphis University School
White Station High School

TEXAS

Dallas College
Round Rock High School

WASHINGTON

Skyview High School
Thomas Jefferson High School

Sister Scholastica Award

Student Delegates created the Sister Scholastica Most Dedicated Sponsor Award to honor the outstanding sponsors of Mu Alpha Theta. The award is named after Sister Scholastica, a dedicated sponsor and faithful attendee at the National Conventions until her retirement. Each year at the convention, the delegates meet to consider all the nominees and select an awardee. The winner of the Sister Scholastica Award receives a \$2,000 cash prize and a \$1,000 grant for his/her chapter.

2023	Olanrewaju Fayiga	Buchholz High School, Gainesville, FL
2022	Daniel Bonnett	Riverside High School, Belle, WV
2021	No award given	
2020	None awarded due to convention	cancellation
2019	Karla Mullins	Oak Ridge High School, Oak Ridge, TN
2018	Vincy Lugemwa	Alabama School of Fine Arts, Birmingham, AL
2017	Barbara Stott	Cabrini High School, New Orleans, LA
2016	No award given	
2015	Elizabeth Funk	Hillsborough High School, Tampa, FL
2014	Daniel Choapstick	Patch High School, Stuttgart, Germany
2013	Trung Vong	Seminole High School, Sanford, FL
2012	No award given	
2011	Ziwei Lu	Buchholz High School, Gainesville, FL
2010	Kim Woolfenden	Tampa Bay Technical High School, Tampa, FL
2009	Lisa Weaver	Miami Springs High School, Miami Springs, FL
2008	Will Frazer	Buchholz High School, Gainesville, FL
2007	Rob Snow	Deerfield Beach High School, Deerfield Beach, FL
2006	Mattie White	Benjamin Franklin High School, New Orleans, LA
2005	Sam Koski	Miami Springs Senior High School
2004	Mary Rhein	Lakota West High School, West Chester, OH
2003	Darryl Hill	Rickards High School, Tallahassee, FL
2002	Renee Fish	Palm Harbor University High School, Palm Harbor, FL
2001	Peggy Patout	Catholic High School, Baton Rouge, FL
2000	Suzy Baker	Hoover High School, Hoover, AL
1999	Michael Carpenter	Central High School, Tuscaloosa, AL
1998	Ann Singleton	Stoneman Douglas High School, Parkland, FL
1997	No award given	
1996	Debbie Phillips Patonai	St. Vincent-St. Mary High School, Akron, OH
1995	Tom Norris	Thomas Jefferson High School, Auburn, WA

Diane Rubin Award

This award was named in honor of Diane Rubin who worked tirelessly at the National Office of Mu Alpha Theta for twenty years, before her retirement in December 2003. The award is presented to the Mu Alpha Theta chapter that has demonstrated outstanding mathematics service to its community for at least two years. The winning chapter receives a \$5,000 cash prize.

2024	Round Rock High School, Round Rock, TX
2023	No applicants
2022	Buchholz High School, Gainesville, FL
2021	Franklinton High School, Franklinton, NC
2020	Saint Andrew's School, Boca Raton, FL
2019	Williamston High School, Williamston, MI
2018	Brewster High School, Brewster, NY
2017	New Mexico Junior College, Hobbs, NM
2016	St. Thomas Aquinas High School, Fort Lauderdale, FL
2015	John A. Ferguson High School, Miami, FL
2014	Clements High School, Sugar Land, TX
2013	Buchholz High School, Gainesville, FL
2012	Grissom High School, Huntsville, AL
2011	Thomas Jefferson High School, Auburn, WA
2010	East Anchorage High School, Anchorage, AK

2009	Columbus High School, Columbus, GA
2008	Lakota West High School, West Chester, OH
2007	Illinois Mathematics and Science Academy, Aurora, IL
2006	Vero Beach High School, Vero Beach, FL
2005	Miami Springs Senior High School, Miami, FL

Regional Sponsor of the Year Award

Mu Alpha Theta established this award in 2015 to honor outstanding sponsors who may not have attended the National Convention but have labored tirelessly and made significant contributions to the organization. The award includes a \$1,000 cash award to each winner and a \$1,000 grant to the sponsor's chapter.

2024

Region 1	No award given	
Region 2	No award given	
Region 3	No award given	
Region 4	Jason Consolo	King High School, Tampa, FL

2023

Region 1	No award given
Region 2	No award given
Region 3	No award given
Region 4	No award given

2022

Region 1	No award given	
Region 2	No award given	
Region 3	No award given	
Region 4	Robert Dodson	Strawberry Crest High School, Dover, FL

2021

Region 1	No award given	
Region 2	No award given	
Region 3	Paige Perry	Southern Union State Community College, Opelika, AL
Region 4	No award given	

2020

Region 1	No Nominees	
Region 2	Dr. Tamika Lindsey	Rockwall High School, Rockwall, TX
Region 3	No Nominees	
Region 4	Dr. Julia Arnold	Tidewater Community College, Norfolk, VA

2019

Region 1	Tom Norris	Thomas Jefferson High School, Auburn, WA
Region 2	No award given	
Region 3	Joe Rasmus	Williamston High School, Williamston, MI
Region 4	Becky Bride	Palm Harbor University High School, Palm Harbor, FL 2016

2018

Region 1	Calvin Fukuhara	Kamehameha Schools, Honolulu, HI
Region 2	No award given	
Region 3	No award given	
Region 4	Storie Atkins	Columbus High School, Columbus, GA

2017

Region 1	No award given	
Region 2	No award given	
Region 3	Angela Buckman	Farragut High School, Knoxville, TN
Region 4	Steve Friedlander	Lawton Chiles High School, Tallahassee, FL

Huneke Distinguished Sponsor Award

This award was established to honor the contributions made by Dr. Harold Huneke, a former Secretary-Treasurer of Mu Alpha Theta. Students nominate their outstanding, dedicated sponsors for the Huneke Award. The Huneke Award nominees must attend the National Convention during the year they are nominated. The winner receives a \$2,000 cash award and a \$1,000 grant for his/her chapter.

2023	No Nominees	
2022	Paige Perry	Southern Union State CC, Opelika, AL
2021	Betty Hood	Brentwood High School, Brentwood, TN
2020	Karla Mullins	Oak Ridge High School, Oak Ridge, TN
2019	Doris Parrino	Baton Rouge High School, Baton Rouge, LA
2018	Angela Buckman	Farragut High School, Knoxville, TN
2017	Randy Stowers	Lincoln High School, Tallahassee, FL
2016	No award given	
2015	Tom Tosch	Mount Rainier High School, Des Moines, WA
2014	Elizabeth Manning	Doral Academy, Miami, FL
2013	Kim Woolfenden	Tampa Bay Tech High School, Tampa, FL
2012	Susan Hiller	Vero Beach High School, Vero Beach, FL
2011	Tom Norris	Thomas Jefferson High School, Auburn, WA
2010	Bonnie Campbell	Hoover High School, Hoover, AL
2009	Jenny Negin	Stoneman Douglas High School, Parkland, FL
2008	Calvin Fukuhara	Kamehameha Schools, Honolulu, HI
2007	No award given	
2006	Thom Morris	Berkeley Preparatory School, Tampa, FL
2005	Barbara Stott	Brother Martin High School, New Orleans, LA
2004	Carol Selph	Vero Beach High School, Vero Beach, FL
2003	Donna Sowers	Fort Myers High School, Ft. Myers, FL
2002	Renee Fish	Palm Harbor University High School, Palm Harbor, FL
2001	Susan Doker	Lincoln High School, Tallahassee, FL
2000	Dorothy Martin	Bellevue High School, Bellevue, WA
1999	Mike Carpenter	Central High School, Tuscaloosa, AL
1998	Mary Emma Bunch	Farragut High School, Knoxville, TN
1997	A. Samuel Koski	Miami Springs Senior High School, Miami, FL
1996	Thom Morris	Berkeley Preparatory School, Tampa, FL
1995	Helen Dostal	North Miami Beach Senior High School, Miami, FL
1994	Lee "Pete" Pedersen	Vinalhaven High School, Vinalhaven, ME
1993	Norman Johnson	Hanford Secondary School, Richland, WA
1992	Claudia Carter	Mississippi School for Math and Science, Columbus, MS
1991	Dorothy Wendt	Grissom High School, Huntsville, AL
1990	Grace Mutz	Farragut High School, Knoxville, TN
1989	Martha Howell	Central High School, Tuscaloosa, AL
1988	Sister Scholastica	Blessed Sacrament Academy, San Antonio, TX
1987	Adele Hanson	Milwaukee Tech High School, Milwaukee, WI
1986	Paul Foerester	Alamo Heights High School, San Antonio, TX

Kalin Award

Former Mu Alpha Theta President and Governor Dr. Robert Kalin established this award to recognize a graduating senior who shows exceptional talent and achievement in mathematics and who performs outstanding service to Mu Alpha Theta. Students who have received this honor since its inception are:

2023	Tucker Shea	Buchholz High School, Gainesville, FL
2022	None	
2021	Andrei Mandelshtam	University High School, Irvine, CA
2020	Kira Nogoshi	Buchholz High School, Gainesville, FL
2019	Yared Tadesse	Buchholz High School, Gainesville, FL
2018	Cynthia Wang	Lawton Chiles High School, Tallahassee, FL
2017	Chi Cao	Baton Rouge Magnet High School, Baton Rouge, LA
2016	Wilbur Li	W. P. Clements High School, Sugar Land, TX
2015	Nathan Watson	Berkeley Preparatory School, Tampa, FL
2014	Joyce Kang	Brentwood High School, Brentwood, TN
2013	Steve Han	Buchholz High School, Gainesville, FL
2012	Daniel Kang	Rickards High School, Tallahassee, FL
2011	Kyle Julian	Vestavia Hills High School, Vestavia Hills, AL
2010	Nitish Aggarwal	Vestavia Hills High School, Vestavia Hills, AL
2009	Matthew Claussen	Hoover High School, Hoover, AL
2008	Bryan McMeen	Grissom High School, Huntsville, AL
2007	Pratik Shah	Lincoln High School, Tallahassee, FL
2006	Ben Cunningham	Rickards High School, Tallahassee, FL
2005	Ross Friedberg	Rickards High School, Tallahassee, FL
2004	Nickolas VanMeter	Archbishop Rummel High School, Metairie, LA
2003	Edward Lee	Baton Rouge Magnet High School, Baton Rouge, LA
2002	Mauro Braunstein	J.P. Taravella High School, Coral Springs, FL
2001	David Smith	Catholic High School, Baton Rouge, LA
2000	Monique Gupta	First Presbyterian Day School, Macon, GA
1999	Joshua Peter	Lafayette High School, Lafayette, LA
1998	Zubin Teja	J.P. Taravella High School, Coral Springs, FL
1997	Paul Kustos	Hoover High School, Hoover, AL
1996	Dharmesh Mehta	Stoneman Douglas High School, Parkland, FL
1995	Allen MacKenzie	Farragut High School, Knoxville, TN
1994	Miriam Goldstein	Berkeley Preparatory School, Tampa, FL
1993	Rachel Ventura	North Miami Beach Sr. High School, Miami, FL
1992	Loren Looger	Randolph School, Huntsville, AL
1991	Stephanie Shaw	Cypress Lake High School, Fort Myers, FL
1990	Alexander Hartemink	Fort Myers Sr. High School, Fort Myers, FL
1989	Joseph Del Toro	Miami Sunset Senior High School, Miami, FL
1988	Rajit Jain	Farragut High School, Knoxville, TN
1987	Beesham Seecharan	Miami Sunset Sr. High School, Miami, FL
1986	Anita Scott	Central High School, Tuscaloosa, AL
1985	Christopher Neils	Bainbridge Island High School, Bainbridge Island, WA
1984	Ly Phan	W.B. Travis High School, Austin, TX
1983	Roger Kirpes	Wahlert High School, Dubuque, IA
1982	Kristi Sether	Wauwatosa West High School, Wauwatosa, WI
1981	Edward Rimland	Miami Coral Park Senior High School, Miami, FL

Governors' Leadership and Service Award

This award was established by the Governors of Mu Alpha Theta to recognize a graduating member for his/her outstanding leadership skills and exceptional service to his/her Mu Alpha Theta chapter.

2024	Harini Thiagarajan	North Creek High School, Bothell, WA
2023	Rosa Wu	American Heritage, Plantation, FL
2022	Varsha Jacob Ashley Qui	Alpharetta High School, Alpharetta, GA John Jay High School, Hopewell, NY
2021	Greenlee Crow	Fayetteville High School, Fayetteville, AR
2020	Victoria Greene	Coral Academy of Science Henderson, NV
2019	Annette A. Belleman	Brussels American School, Belgium
2018	Nicole D. Lee	Palos Verdes Peninsula High School, Rolling Hills Estates, CA
2017	Amrith Lotlikar	Carnegie Vanguard High School, Houston, TX
2016	Agni Kumar	Milton High School, Milton, GA

Kay Weiss Scholarship

The Kay Weiss Scholarship honors Mu Alpha Theta's former executive director from 2003 to her retirement in 2016. The Kay Weiss Scholarship recipient is a student who has demonstrated a commitment to promoting women's participation in the STEM fields.

2024	Annie Ye	William Mason High School, Mason, OH
2023	Ellena Jeon	BASIS Chandler High School, Chandler, AZ
2022	Brighten Jiang	Lawton Chiles HS, Tallahassee, FL
2021	Arya Tadepalli	Loudoun Valley High School, Purcellville, VA
2020	Lauren Chen	Dutch Fork HS, Irmo, SC
2019	Julia I. Sheats	Thomas Jefferson High School, Auburn, WA
2018	Meghana Vemulapalli	American Heritage School, Boca/Delray, Delray Beach, FL

Andree Mathematics Education Award

In honor of Richard and Josephine Andree, the founders of Mu Alpha Theta, this award recognizes outstanding students who plan to pursue a career in mathematics education. One Andree Award may be awarded to a graduating high school student and one to a former member who is attending college and studying to be a mathematics teacher.

2024	Daniel Wang	Buchholz High School, Gainesville, FL
	Margaret Sumera	University of Alabama, Tuscaloosa, AL
2023	Jacob Norris	University of Washington, Auburn, WA
	Preston James	Corinth Holders HS, Wendell, North Carolina
2022	Jake Frazer	Buchholz High School, Gainesville, FL
2021	Anthea Brown	Thomas Jefferson High School, Auburn, WA
2020	Isabella Pappano	West Orange High School, West Orange, NJ
2019	Justin A. Landrove	Barbara Goleman Senior High, Miami Lake, FL
	Elizabeth G. Sharrock	Columbus State Community College, Columbus, OH
2018	Therese Klein	Urbana High School, Ijamsville, MD
	Lucica Mai	Louisiana State University, Baton Rouge, LA
2017	Kevin Rao	W. P. Clements High School, Sugar Land, TX
	Gabriella Harris	Towson University, Towson MD
2016	Dominick Hing	Marjory Stoneman Douglas High School, Parkland, FL
	Emily Kaiser	University of Alabama/Vestavia Hills High School, Vestavia Hills, AL
	Cayley Robinson	University of Florida/Buchholz High School, Gainesville, FL
2015	Angeline Rao	Clements High School, Sugar Land, TX
	Jasmine Robinson	Buchholz High School, Gainesville, FL
2014	Christine Zeigler	Lowndes High School, Valdosta, GA
2013	Anna Clapsaddle	Millbrook High School, Raleigh, NC
	Lauren Levenhagen	Auburn University/Grisson High School, Huntsville, AL
2012	Adam Su	Academy of Math & Science, Denton, TX
	Katherine Harbula	Midlothian HS, Midlothian, VA
2011	Rebekah Rose	Lake Highlands High School, Dallas, TX
	Shelby Robinson	Cabot High School, Cabot, AR
2010	Stacey Luong	Mount Raimier High School, Des Moines, WA
	Elizabeth Pruitt	Hoover High School, Hoover, AL
2009	Melina Pierce	Volunteer High School, Church Hill, TN
	Jimmy Doker	Lincoln High School, Tallahassee, FL
2008	Kerry Krychear	Clarkstown High School South, West Nyack, NY
2007	Whitney Hall	Claremore High School, Claremore, OK
2006	Angela Griffin	Mt. Carmel Academy, New Orleans, LA
2005	John Omundsen	Fort Myers High School, Fort Myers, FL
2004	Chris Terndrup	Vestavia Hills High School, Vestavia Hills, AL
2003	Mathew Baxter	Fort Myers High School, Ft. Myers, FL
2002	April Tam	Miami Springs High School, Miami, FL
2001	No award given	
2000	No award given	
1999	Abigail A. Luck	Farragut High School, Knoxville, TN
1998	Kris Barnett	Lafayette High School, Lafayette, LA
1997	Jill Lynn Halter	Columbia Central High School, Columbia, TN
1996	Keith Bernicky	Lincoln-Way High School, New Lenox, IL
1995	Rory Gormley	Clarkstown High School North, New City, NY
1994	Derinda Tyler	Austin High School, Decatur, AL
1993	Claire Fukumoto	Mililani High School, Mililani Town, HI
1992	Doris Keith	Mississippi School for Science and Math, Columbus, MS
1991	Crystal Dawn Brandon	Plant City High School, Plant City, FL
1990	Kara Finley	Pope High School, Marietta, GA
1989	Tammy Kirkland	East Central Community College, Decatur, MS
1988	Teresa Britt	Northside High School, Fort Smith, AR
1987	Matthew Frueh	Wahlert High School, Dubuque, IA

Mu Alpha Theta Scholarships

Mu Alpha Theta and its Educational Foundation awarded a total of 30 scholarships this year. The following scholarship awardees are outstanding mathematics students and have shown loyalty and dedication to their Mu Alpha Theta chapters.

High School Scholarships:

Eli Mrug	Alabama School of Fine Arts
Vinh Bui	Baton Rouge Magnet
Carol Li	Vestavia Hills High School, Vestavia Hills, AL
Jason Wang	William Mason High School
Devin Lai	Palos Verdes Peninsula High School
Cynthia Liu	Alabama School of Fine Arts
Jesse Brodtman	American Heritage Palm Beach
Nora Kane	Lynbrook Senior High School
Yash Saxena	Maggie L. Walker Governors School
Dylan Rhoton	Brother Martin High School
Sydney Lee	American Heritage Broward
Qingyuan Hu	Maggie L. Walker Governors School
Aarush Lanjharia	Dunwoody High School
Natalie Veale	Hopewell Valley Central High School
Aaron Hu	Lawton Chiles High School
Nathan Wei	Buchholz High School
Omer Demir	Orlando Science High School
Kelsey Morey	Buchholz High School
Shyamaa Karthik	St. Andrew School
Theodore Kusbiantoro	Rye Neck High School
Mikayla Lin	Stuyvesant High School
Aditya Sharma	Lightridge High School
Sofia Stakhyra	Applied Technology High School
Anya Gada	Orlando Science High School
Jacopo Rizzo	Torrey Pines High School
Noah Avis	Catholic High School
Nandini Sachdeva	Westfield High School

Two-Year College Scholarships:

William Clark	Copiah-Lincoln Community College
Kortne Nelson	Copiah Lincoln Community College
Betheny Amoyotte	St. Paul College

Mary Rhein Memorial Scholarship \$5000.00

The Mary Rhein Memorial Scholarship was named to honor Mary Rhein, a mathematics teacher from Ohio who was active in the Mu Alpha Theta organization for 22 years. Mary believed that Mu Alpha Theta gives students who excel in mathematics an identity and a place to belong. She always encouraged her members to act as ambassadors for Mu Alpha Theta, and she viewed competition as a dynamic way for students to use math concepts learned in the classroom.

2024	Romir Mohan	American Heritage, Broward, FL
2023	Sharvaa Selvan	American Heritage, Broward, FL
2022	Ritam Bhowmik	Orlando Science High School, Orlando, FL
2021	Zoi Aquino	Thomas Jefferson High School, Auburn, WA
2020	Saardhak Bhrugubanda	Orlando Science High School, Orlando, FL
2019	Brandon Chyi	Lawton Chiles High School, Tallahassee, FL
2018	Jenny Yuxi Gu	Tabb High School, Yorktown, VA
2017	Smita Bhattacharjee	John A. Ferguson Senior High School, Miami, FL
2016	Zachary Sussman	St. Andrew's School, Boca Raton, FL
2015	Lisa Lu	Buchholz High School, Gainesville, FL
2014	Albert Ho	Cypress Bay High School, Weston, FL
2013	Pablo Hernandez	Miami Springs Senior HS, Miami Springs, FL
2012	Jeremy Liu	Buchholz High School, Gainesville, FL
2011	Katharine Daly	Palos Verdes Peninsula High School, Rolling Hills Estates, CA
2010	Alexander Tir	Riverside Academy, Laplace, LA
2009	Sohini Sengupta	Ocean Lakes High School, Virginia Beach, VA
2008	Laney Kuenzel	Hathaway Brown School, Shaker Heights, OH
2007	Shivali Sarawgi	Lakota West High School, West Chester, OH

Sallie Scudder Memorial Scholarship \$5000.00

The Sallie Scudder Memorial Scholarship was named to honor Sallie Scudder, who taught and coached at Berkeley Preparatory School from 1996 to 2002. She returned to teach at her alma mater, H. B. Plant High School, where she taught until her death at the age of 36. She was passionate about making a difference in the lives of her students and had a positive influence on everyone around her.

2024	Raymond Yao	Columbus High School, Columbus, GA
2023	Raymond Yao	Buchholz High School, Buchholz, FL
2022	Fatima Martinez	American Nicaraguan School, Nicaragua
2021	Mikella Nguyen	International Leadership of TX Keller-Saginaw HS, Fort Worth, TX
2020	Amanda Thomsen	Fayetteville HS, Fayetteville, AR
2019	Jessica M. Figard	Pine Lake Preparatory, Mooresville, NC
2018	Alicia X. Guo	W. P. Clements High School, Sugar Land, TX
2017	Elizabeth Salatyán	Burbank High School, Burbank, CA
2016	Ashhab Thakur	Fort Myers High School, Fort Myers, FL
2015	Vivek Miglani	Marjory Stoneman Douglas High School, Parkland, FL
2014	Karen Yang	Klein High School, Klein, TX
2013	John Gee	Calhoun High School, Port Lavaca, TX

Friends Page

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