



A message from the Executive Director, Tom Young

A whirlwind ending to our regular season! Thanks to all the teams that participated in the League this year. Students and coaches should be proud of tackling challenging extra-curricular mathematics. We tip our hats to you!

And, congratulations to all the teams and individuals that qualified for the state meet! Later in the newsletter, see the list of teams that qualified.

Mark your calendars now for the two summer activities that we coordinate: *The Summer Math Institute and the Coaches Conference*. **SMI runs the week of June 23 – 28** and the **Coaches Conference is July 11 and 12**. *See more information on these later in the newsletter.*

Another two items to look for: At the state tournament we will be awarding prizes for best t-shirt design and for best Math League promotional video. *The T-shirt design has already been chosen, but students can submit a video until March 1st. See more information on this later in the newsletter.*

Retiring Coaches: If you are, or know of, a longtime coach who is retiring, please give us a heads up because we'd like to recognize retiring coaches at the State Tournament. Send an email to tyoung@district16.org

Fundraising: We are looking for business contacts that can help us support your team individually, your division, or the League in general. If you have a contact person, send the information along to Luke Olson at lolson@sspss.org

Thanks again for a wonderful regular season and good luck to State Tournament participants!

Meet Five photos from the North Suburban Division

Mounds View
Coach
Dan Butler
(ctr, in blue)
retired
this year
and several
alumni attended
the last meet
to thank him
for his
30 years
of coaching!



The alums tried the team
test for old times sake.
No word as to how they did...

A message from Tom Kilkelly, Head of the Problem Writing Team

Congratulations to all teams! You tackled some tough problems this year. If you didn't get a problem correct, study and learn from it so you are more prepared for next year. We always want you to grow in your mathematical knowledge!

Good luck to all teams that are in the state tournament!

Fundraising Committee Report:

The League is always looking for sponsors who can help us with our mission. If you know of a company that we should contact, or know a person in a company that we should contact, email suggestions to Luke Olson at lolson@sspps.org

Some in-kind suggestions

Web site: our web site could use a new look and be streamlined better

Mentors/tutors: Local participating schools would welcome mentors/tutors for mathletes

Career counseling: mathletes would benefit from Career counseling

Monetary contribution suggestions

State-wide Transportation Fund: Increasingly, schools find busing costs to be onerous. Donations to a state-wide Transportation Fund for financially burdened schools would help keep schools in the League.

T-shirts: local schools often create T-shirts and might welcome a sponsor. We also sell T-shirts for the State Tournament. Sponsors could add their logo to the shirts, perhaps.

Calculators: we allow any calculator for competition purposes. Some calculators have more functionality. Some local schools would welcome an update of their calculators.

Fees for students: students pay participation fees at schools; sponsor could defray that cost.

Food at Meets and at State Tournament: we have a luncheon with awards at the state tournament. Divisions have end of season banquets and meet treats.

All State Math team competitions: each year, we take All-Stars from Minnesota to several college and national competitions. We charge the students for transportation, room, and board.

Summer Math Institute: each year, we develop a summer camp for 40 – 50 students. We charge \$600 to cover the costs of teachers, room, and board. Hopefully we can reach more students if the price is better.

The Wayne Roberts Scholarship fund: This fund provides grants to students to enroll in mathematical camps/seminars. Each year we try to increase the amount in the fund.

Summer Coaches Conference: each year, we put on a Summer Coaches Conference to help train our coaches. Often, we bring in a guest speaker to help coaches increase the depth of their mathematical knowledge. A sponsor could help pay for the speaker or help with the cost of the social event.

Sponsorship of the League, in general

Do you have other ideas? Send them to Tom Young at tyoung@district16.org

Summer Coaches Conference 2019 and 2020:

If you have ideas for what would be beneficial for you at this summer's conference, email your ideas to Tom Young at tyoung@district16.org

Heads up about the 2020 conference: We will be celebrating our 40th year!! Many activities are being planned, including Hall of Fame Induction and Alumni gathering. If you know of alumni who might be interested, send us contact information.

Nominations Committee Report:

This is the year for officer elections as President Stacy Paleen, Secretary Reid Froiland, and Treasurer Jenna Innes will be completing their 3-year terms. If you would like to run for any of those offices or would like to nominate someone, please contact Michael O'Connell at michael.o'connell@spps.org

Facebook Feature: Team of the Month

We'd like to start featuring team photos on our Facebook page. If your team would like to be featured, send a photo and a blurb about your team to Dana Koletar at mathleague@augzburg.edu

2019 Summer Math Institute

June 23 – 28, 2019 at Augsburg University

7 – 9 Mathematics and Art

Taught by Annie Perkins, Southwest HS

10 – 12 Theory of Equations

Taught by Ken Suman, Winona Cotter HS

The League will offer two one-week programs of the Summer Mathematics Institute in 2019. Both programs run the same week in June June 23-28, 2019. One is for students entering grades 7-9 in fall of 2019; the other is for students entering grades 10-12 in fall of 2019.

Students will investigate mathematical topics not typical taught in the regular high school curriculum in preparation for secondary mathematics competitions. For grades 7 – 9, the area of study will be Mathematics and Art. For grades 10 – 12, the area of study will be Theory of Equations.

These are both one week residential opportunities. Both programs are located at Augsburg University in Minneapolis. **Application deadline is April 15, 2019 or until the camp is full.** Returning students are eligible for a \$25 discount. Cost is \$600. Tuition includes room and board and a field trip experience. Check http://mnmathleague.org/?page_id=444 later in January 2019 for an application.

Email mathleague@augzburg.edu with questions.



As part of the Summer Math Institute, we hire 4 teachers to lead evening problem-solving sessions that emphasize the curriculum taught during the day. The job is 6:15 to 8:30pm, M-Th, June 24 – 27, and it pays \$250. It's a great way to help out SMI students. Interested? Email Tom Young at tyoung@district16.org

Don't Forget to enter this Contest!

There's money to be made! Calling all schools to produce a 90 second video explaining why you like to be involved in the Math League. Student interviews, teacher endorsements, sample problems, or video of practices/meets are all possible components of such a video. Videos are due to the League Office (mathleague@augsborg.edu) by March 1st, 2019. Videos must be sent by, and approved by, the school math team coach. A committee will decide the winners and the winning videos will be shown at the State Tournament.

First prize: \$200 to the math team at winning school

Second Prize: \$150 to the math team at 2nd place school

Third Prize: \$100 to the math team at 3rd place school

The Roberts Award Scholarship

The Roberts Award Scholarship(s) were established in honor of the League founder, Dr. Wayne Roberts of Macalester College.

The Scholarship(s) are offered to help offset the costs for students interested in attending an out-of-state math opportunity. They are offered once each year. A set amount of funds will be available each year, and multiple awards are possible.

Deadline to apply for this season is April 30, 2019

Applications can be found on our web site at: http://mnmathleague.org/?page_id=1033

More Pictures from the North Suburban Division at Meet Five



Parnassus Prep
1st time State Qualifiers!

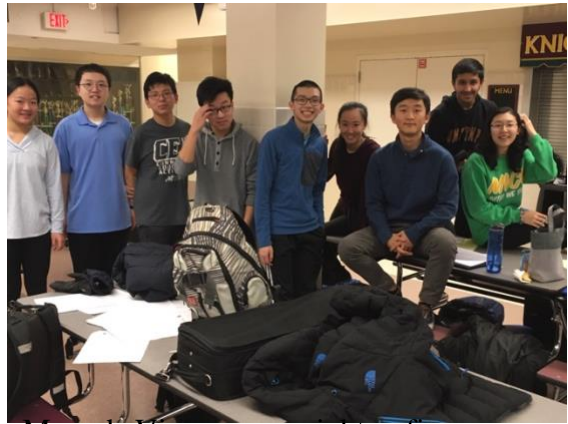


Irondale – on a Math League Odyssey

More Pictures from the North Suburban Division at Meet Five



Totino Grace: great scores this year



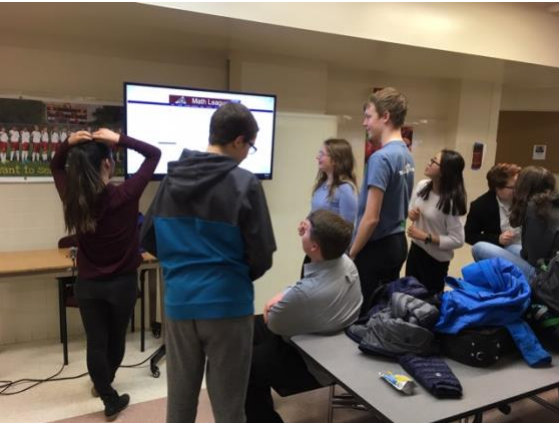
Mounds View: perennial top five



Blaine: Chess and Math mix well



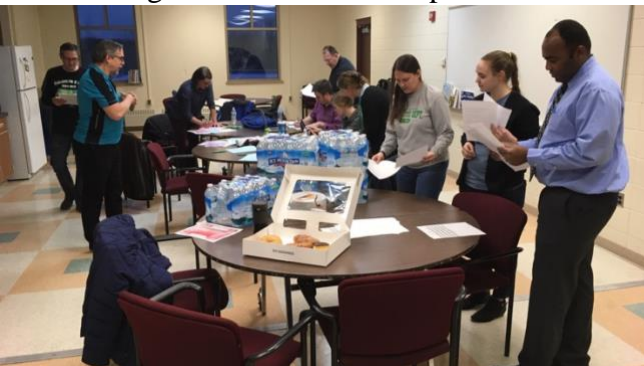
Spring Lake Park: finished 10th in State



Waiting for scores to show up



This picture shows great Math League students



Coaches hard at work



A tradition of excellence!

State Qualifying Teams

The highest scoring team from each Section is invited to the State Tournament. In addition, 2 wild card teams per Class are invited to the State Tournament. The wild card teams are the two highest scoring teams in the Class that didn't win a Section.

Therefore, 10 teams from each Class receive automatic invitations. At this point, thirty teams are thusly invited to the State Tournament. The rest of the State Tournament field is filled out by choosing the next 6 to 10 highest scoring teams from across the state, regardless of Class, for a full State Tournament complement of 38 teams.

Class A		Class AA		Class AAA	
Plainview-Elgin-Millville HS	1A	Shattuck-St Mary's	1AA	Century HS	1AAA
MN Valley Lutheran HS	2A	Mankato East HS	2AA	John Marshall HS	1AAA
Lakeview HS	3A	Mankato West HS	2AA	Mayo HS	1AAA
New London Spicer HS	3A	Highland Park HS	3AA	Blake School	2AAA
Breck	4A	Mahtomedi HS	3AA	Eden Prairie HS	2AAA
Mounds Park Academy	4A	St. Croix Lutheran HS	4AA	Edina HS	2AAA
Parnassus Preparatory School	4A	Academy of Holy Angels	5AA	Minnetonka Senior HS	2AAA
Lourdes HS	5A	International Sch MN/Eagle Ridge	6AA	Wayzata HS	2AAA
Pelican Rapids HS	6A	Marshall School	7AA	Eagan HS	3AAA
Barnum HS	7A	Sartell HS	8AA	Woodbury HS	3AAA
Greenbush-Middle River	8A			St. Paul Academy	4AAA
				Mounds View HS	5AAA
				Southwest HS	6AAA
				Blaine HS	7AAA
				Spring Lake Park HS	7AAA
				St. John's Preparatory School	8AAA
				Tech HS	8AAA

Problem Corner

an effort to spur conversation

If you'd like to contribute a problem or send in a solution, email tyoung@district16.org

Student solutions encouraged!

Check out this website: <http://archives.math.utk.edu>