



WISCONSIN
MATHEMATICS
COUNCIL, INC.

LEADERSHIP AND SERVICE FOR THE
MATHEMATICS EDUCATORS OF WISCONSIN

Visit WMC at
www.wismath.org

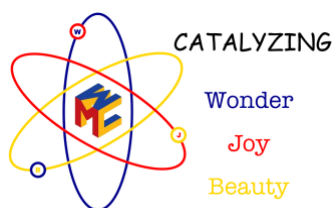
NEWSLETTER

IN THIS ISSUE

VIRTUAL 2021 Annual Conference

- 1 Annual Conference
- 2 President's Message
- 3-4 WMEF Updates
- 5 WMC News
- 6 Math Inst. of WI
- 7 NCTM
- 8 WI-AMTE Update
- 8 DPI Updates
- 9 CS Updates

We made it through 2020 and WMC is ringing in the new year with some exciting annual conference news.



Join WMC for a **VIRTUAL 53rd Annual Conference, Catalyzing Wonder, Joy, and Beauty**. A keynote speaker will launch the conference event on Thursday, May 6th from 4:30-6:00 pm. The conference will also offer live synchronous sessions on Saturday May 8 from 8 am - 3:30 pm, as well as pre-recorded asynchronous sessions. These

sessions will be available to participants until August 31st.

January 2021
Volume XLVI
Number 2


Copyright 2021 by the
Wisconsin
Mathematics Council,
Inc.

Newsletter Editor
Jennifer Kosiak

Materials may not be
reproduced without
written permission.

Direct all questions
and concerns to
wmc@wismath.org

The conference will include local educators and the following national speakers:

				
Sandy Atkins	John Stevens	RunningHorse Livingston	Gail Burrill	Christina Tondevold
				
Kurt Salisbury	Sarah Bush	DeAnn Huinker	Howie Hua	Michael Steele

Now for the yearly conference trivia: What are some interesting facts related 53?

- The sum of the first 53 primes is 5830, which is divisible by 53.
- 53 is Herbie the Love Bug's racing number.
- The moon's Tycho Crater is 53 miles across.

You can find more information and registration on the WMC website at www.wismath.org. A draft schedule will be available by February 15th.

Maggie McHugh & Heather Siedschlag, Conference Planning Team

A Message from the WMC President

A COVID-19 Year in Review

Several years ago I participated in a Desmos training (<https://www.desmos.com/>) with Desmos creator Eli Luberoff. Near the beginning of his presentation, he shared a slide that specifically read, “~~Ask: How cool is the tech?~~ Ask: How cool is the thinking the tech enables?” Yes, the first sentence was crossed out. But, that was the point. In this one powerful slide he asked us to shift our thinking from using tech *because* of the bells & whistles to using tech to deepen student thinking. I was blown away by this shift and it has stayed with me since!

Fast forward to March 2020. COVID-19 threw Wisconsin mathematics educators into the unknown. The questions were no longer “How cool is the tech?” or even “How cool is the thinking the tech enables?” The bigger questions became, “What is the tech?”, “How do we use the tech?”, “How can we make sure all students and educators have access to the tech?”, and “What should be done if access isn’t available?” It was a time of crisis and educators rose to the challenge of meeting the needs of their students.

Mathematics teachers’ language adjusted too. *Distance learning, remote learning, hybrid learning, blended learning, asynchronous learning, synchronous learning, concurrent classrooms, live streaming, video conferencing, accessibility features, breakout rooms, etc., etc., & etc.!* Most teachers spent the summer months learning about and preparing for teaching in a virtual environment. COVID-19 was here to stay for awhile and educators wanted to attack the new normal head on. Their determination was second to none.

September 2020 started the new school year. Since then, mathematics teachers have been resourceful, creative, innovative, flexible, patient, compassionate, empathetic, and determined, to name a few. They have been committed to giving students the best mathematical education possible given the current circumstances. It has not and will not be perfect, but perfection is not expected!

As we move forward into 2021, vaccines give us hope, a hope for a future that includes full-time face-to-face learning and teaching. Until then, mathematics educators will continue to hone their skills for teaching in a virtual environment. Educators will continue to lean on each other - sharing tips, strategies, resources, and lessons that have been successfully used with students. In recognition of this, WMC wants to provide you with an opportunity to learn from each other.

On February 10, 2021 from 7 p.m. - 8:30 pm., you are invited to attend a free virtual professional development event, the **WMC Math Chat** (see page 5 for more information). Please join other Wisconsin PK - 12 mathematics educators for this time of sharing. It is going to be fun!

Finally, as we move into the second half of this unique school year, I am left wondering if there will be a time to revisit the question, “How cool is the thinking the tech enables?” Maybe. Maybe not. But, I am hopeful that we will be able to in a not-so-distant future.



Thank you for all of the great work you continue to do for Wisconsin students and for each other! Take time to celebrate the successes and all that you have accomplished this year.

Take care,
Tammy Moynihan, WMC President

Wisconsin Mathematics Education Foundation



Meet the WMEF Committee Members

John Janty, Chair
Michael Weidner,
Secretary
Joe Knoch, Treasurer
Patrick
Hopfensperger
Kali Kocmoud
Christine Lucas
Judy Felsenthal
Kelly Schaefer

Past Members

John Burrill,
Parliamentarian
Jane Howell,
Historian
Beth Schefelker

Welcome to the New Year!

As most of us continue to work and learn safely from home, our thoughts go out to the essential workers, educators and their families. Stay safe and social distance everyone! We will get through this.

We have a new Facebook page. <https://www.facebook.com/WMEF2020>
Please like, follow and share!

During the past year, due to the generosity of our donors, we have been able to award \$11,500 to:

- two highly qualified college students each receiving a \$2000 scholarship to assist them in completing their studies through our Sister Mary Petronia Van Straten and Jane Howell Scholarship Programs. (\$4000)
- three highly qualified high school seniors each receiving a \$2000 Arne Engebretsen Memorial Scholarship to assist each student in pursuing a degree in mathematics education. (\$6000)
- two Student Activity Grants totaling \$750 encouraging the involvement of students in mathematics activities beyond their regular classrooms. (\$750)
- one Materials/Resources Grant totaling \$750 encouraging creativity in the classroom, enhancing instructional methods, promoting the effective teaching of mathematics at all levels to improve student interest and scholastic achievement. (\$750)

Nicole Ebert, from Kewaskum School District, shares her report after receiving and implementing the Julie Stafford Grant.

"I am following up for the Julie Stafford Grant I was awarded last year. Thank you, again, for the generous award. I was able to complete the Math Recovery Champion training this summer. Due to Covid, the training was done virtually over ten days. I completed the training in June and was able to train staff in August. There were a lot of constraints put on the training that I didn't anticipate when initially applying for the grant. I was very happy that Math Recovery was able to provide the training virtually and not cancel. I was able to meet in-person to train staff in small groups. We were able to talk about how we could do some assessing and math activities to meet the needs of students that were virtual.

Things definitely took a bit of a spin from when the application was submitted, but I am thankful for the training I received (thanks to your help). Next summer, I will train another group of teachers in AVMR 1 and 2. I look forward to the opportunity to transform teachers' thinking of math instruction and the student growth that will come as a result of the training."

Our next deadline for all grants is July 1.



The Wisconsin Mathematics Education Foundation offers three \$2000 scholarships to Wisconsin educators and students. Deadline for each of the three scholarships is March 1, 2021.

The Wisconsin Mathematics Education Foundation (WMEF) supports and promotes the need for greater racial and ethnic diversity among Wisconsin educators. Believing that broadening the racial and ethnic diversity of Wisconsin's teacher workforce is important for both students of color and white students, it is to this end that WMEF is proud to offer the Jane Howell Teacher Education Scholarship for Students of Color.

Jane Howell Teacher Education Scholarship for Students of Color—Awarded annually to a qualified student that identifies as a Student of Color and who is currently enrolled in a Wisconsin university or college, who intends to teach mathematics in a racially diverse environment.

Sister Mary Petronia Van Straten—Awarded to qualified Wisconsin residents currently enrolled in teacher education programs in the state of Wisconsin.

Arne Engebretsen Memorial Scholarship—Designed for a Wisconsin high school senior who plans to major in mathematics education or to have a mathematics concentration at the elementary or middle level.

Further information on scholarships and grants can be found on the WMEF website at <http://wmefonline.org/scholarships-grants/>.

These scholarships are funded by donations from individuals who have a vested interest in improving mathematics education in Wisconsin's classrooms. For more information please go to: <http://wmefonline.org/donations/>. **Please consider making a donation today!**

As you begin your financial planning for 2021, please keep the Wisconsin Mathematics Education Foundation (WMEF) in mind. Consider a tax-deductible donation to support the mission of the WMEF using part of your Required Minimum Distributions (RMD) requirement for the 2021 tax year. <http://wmefonline.org/ira-rmd/>

Donations can be made at our website or using the address:

WMEF/WMC
PO Box 171011
Milwaukee, WI 53217

WMEF as a committee of the Wisconsin Mathematics Council, Inc. has tax-exempt status from the IRS under section 501 (c) (3) of the Internal Revenue Code. Contributions are tax deductible under section 170 of the Code.

WMC News & Upcoming Events

WMC Math Contests

The WMC 2021 State Math Contests for both middle and high school students will be in early March. In-person contests will be held the week of March 1-5, while virtual contests will be held the week of March 8-12. **Due to Covid-19 concerns, there will only be individual events with no team events.**

New this year is a 50th Anniversary format for the High School Math Contest. Additionally, the Middle School Math Contest will be based on five of the MS mathematics standards.

The entry fee for the contest is \$25 per team of 8 students. For more information and registration, visit <http://wismath.org/WMC-Math-Contest>.

Sample Middle School Task:

If we define the operator \odot as $a \odot b = b^2 - 2ab$, what is the value of the following expression?

$$2 \odot (-3 \odot 5)$$

Sample High School Task:

How many ordered pairs of positive integers (a, b) satisfy the equation $\frac{1}{a} + \frac{1}{b} = \frac{1}{2020}$?



WMC is happy to announce a new virtual professional development event. Join us for our first virtual **WMC Math Chat** focused on **strategies for teaching mathematics in the**

online world.

This event will be held on February 10, 2021 from 7:00 - 8:30 pm. It will feature five grade band breakout group sessions in which multiple educators share their strategies for increasing community and student engagement in the online environment. Grade bands will include PK-2, 3-5, 6-8, and 9-12.

The tentative schedule for this 1.5 hour professional learning event will include a 10 minute WMC welcome followed by 45-60 minutes of grade band presentations from multiple educators. The remaining time will be devoted to a whole group discussion and next steps.

This event is FREE, but you are required to register in order to receive the Zoom link.

Information and registration are available on the WMC website at <http://wismath.org/Math-Chat>. A detailed schedule will be available by January 15th.

WMC Nominations and Elections

The Wisconsin Mathematics Council Board of Directors is seeking nominations for the following positions:

- President-Elect
- Secretary
- PK-2 Representative
- Statewide Representative
- College/University Representative
- Wisconsin Technical College Representative

Nominate yourself or another to be a WMC Board of Directors. Nominations are open until February 15, 2021. For information, visit <http://wismath.org/WMC-Election>.

WMC Awards

The ***Distinguished Mathematics Educator award*** is the most prestigious award that the Council bestows. The award recognizes individuals for their outstanding contributions and exceptional leadership and service to the Wisconsin mathematics education community. If you know someone who should be recognized for their contributions, please nominate them today. Visit <http://wismath.org/DME> for more details.

Have you been teaching mathematics in Wisconsin for **25 years or more**? If so, please let WMC know. You will be recognized at the WMC Annual Meeting in May for your dedication to teaching mathematics. The deadline to submit your application is April 15. For information, visit <http://wismath.org/WMC25>.

Updates from the Mathematics Institute of Wisconsin



The Mathematics Institute of Wisconsin supports math educators to develop stronger content knowledge and more effective teaching strategies. Join them for the following virtual professional development events. More information on these events, including registration details can be found at <https://mathinstitutewi.org>.

Building Student Ownership of Mathematical Learning: Middle & High School: Formative assessment is often defined as assessment for learning. But what does assessment for learning look like in a math classroom? What should teachers be doing? How are students positioned as active and engaged self-assessors to monitor and guide their own learning? This virtual workshop will explore classroom-based formative assessment techniques and tools (including virtual options!) which can be used to plan, implement, and reflect on both teaching and student learning in your classroom.

Date: January 29, 2021

Cost: \$259

Critical Math for the ACT: High school math teachers face continued pressure to raise ACT scores, which play a critical role in the assessment of both students and schools. This virtual workshop offers an opportunity for teachers to take a closer look at the ACT College and Career Readiness Standards and the Wisconsin Standards for Mathematics (including middle school standards) revealing critical connections.

Date: February 9, 2021

Cost: \$159

Designing Professional Development That People Value: Do you lead professional learning for your colleagues? Avoid common pitfalls with this virtual workshop as you learn how to design interactive learning that engages teachers deeply in the content of the learning while building on their expertise.

Date: February 17, 2021

Cost: \$159

Math Foundations: This summer we are going back to basics with seven new virtual mini courses designed to ground you in the most important foundational math concepts. Each course will explore a major math content area where students struggle most, while empowering you with the tools and confidence you need to make informed decisions in your math classroom.

Comprised of just two virtual half days, these mini courses offer a manageable way to engage in meaningful math learning from anywhere. Choose the courses that work best for you and get ready to refresh your math content knowledge without changing your summer plans.

Dates: Summer 2021 ([Visit https://bit.ly/MIW_Online](https://bit.ly/MIW_Online) for a full list mini course topics and dates.)

Cost: \$209 (Early bird registration rate available through 1/15/21)

Updates from NCTM



Reimagining Mathematics Education: Learning from the Past in Order to Move Forward

Join your math community, February 1-6, for an online professional development experience focused on leveraging inclusive practices and supporting teachers in developing innovative approaches to the mathematics environment. Featuring 100 live and 150 OnDemand sessions, the NCTM 2021 Virtual Conference will explore race and inequality issues within mathematics and education and bring teachers together to learn the strategies, technology, assessment, and resources for promoting mathematics success for all students.

For more information and registration, please visit <https://www.nctm.org/virtual2021/>.

NCTM Future Conference Dates

2021 NCTM Annual Meeting & Exposition

- Atlanta, GA • September 22–25, 2021

2021–2022 NCTM Regional Conferences

- Phoenix, AZ • October 27–29, 2021
- New Orleans, LA • February 2–4, 2022
- Indianapolis, IN • March 16–18, 2022



Statistics Education: An Imperative for Our Future A NCTM President's Message

The development of statistical thinking is an imperative today. Every individual must be able to synthesize data to support decision making, make sense of our world, and prepare for the future. Given the magnitude of this challenge, it is essential that PK–12 curricula reflect an intensive, cohesive inclusion of statistics, statistical reasoning, and data analysis. We must be certain that each and every student be provided with learning opportunities to develop these essential processes and practices steeped in appropriate content in statistics. Read the entire President's Message at <https://www.nctm.org/News-and-Calendar/Messages-from-the-President/>



NCTM Free Trial Memberships

Now more than ever, teachers need support and quality resources they can trust. NCTM is offering [free trial memberships](#) so that teachers can have access to the full breadth of support and benefits NCTM offers.

WI-AMTE



The Wisconsin Association of Mathematics Teacher Educators (WI-AMTE) is devoted to the preservice education and professional development of K-12 teachers of mathematics. Whether you are a university teacher educator, a district mathematics leader or coach, or a mathematics teacher, consider getting involved with WI-AMTE today. Check out the WI-AMTE website (<https://wiamte.org>), Facebook, Twitter (@WIAMTE), or Instagram (@wiamte) for updates and notifications of upcoming events and activities!

Updates from WI Department of Public Instruction



The review and revision process for the Wisconsin Standards for Mathematics will continue in 2021. Specific information about the standards review process can be found on DPI's webpage at <https://dpi.wi.gov/standards>.

The [*Wisconsin Priority Instructional Content in ELA and Mathematics 2020-2021*](#), a "Wisconsinized" version of Student Achievement Partners' guidance, identifies the suggested priority academic content for English language arts and mathematics during the 2020-2021 school year when student learning has been and will continue to be impacted by extended school closures due to COVID-19.

Presidential Teaching Awards

Congratulations to the 2020 WI Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Awardees

- Karen Olsen, Science Teacher, Baraboo High School, Baraboo School District.
- Katie Hass, Mathematics Teacher, Edgar Middle School, Edgar School District

The 2021 PAEMST applications for teachers in grades 7-12 is now open through March 1, 2021.

For information on PAEMST visit DPI's website at <https://dpi.wi.gov/cal/presidential-awards>.

Updates from Computer Science

WI CS Teachers Googlegroup: to join contact Joe Kmoch at joe@jkmoch.com

PUMP-CS Professional Development: <<https://pumpcs.mu.edu>>

WI CS K-12 Standards: <<http://bit.ly/wi-cs-standards>>

Join CSTA: <http://csteachers.org> and click on Membership tab at the top

Monthly Evening CS Get-togethers by CSTA Wi-Dairyland: CSTA Wisconsin Dairyland leaders are facilitating monthly sharing sessions throughout the year to help support teachers. We can all learn so much from each other! The next session is **January 20, 2021 at 7:00pm** and the tentative focus is sharing ideas for making your classroom and curriculum accessible and relevant to all kids. Join in the CSTA Sharing Sessions using this Zoom info for the [Join Zoom Meeting](#) Meeting ID: 918 3513 8697 with Passcode: 223963
<<https://wauwatosaschools.zoom.us/j/91835138697?pwd=TmhRSHdFdmtOUFR5ZEZySCswS2lldz09>>

Future Zoom sessions will be held on **February 17 & April 21** from 7:00pm-8:00pm. Please join us! If you have a focus for a future session please contact the CSTA co-Presidents Amy Fetherston <fetheram@wauwatosak12.wi.us> or Linnea Logan <linnea.logan@wfbschools.com>

The Marquette University Computer Science Competition will be held on Wednesday, April 14, 2021 in a virtual format. There will continue to be three divisions – Scratch, Java or APCS Principles. Stay tuned for more information in the near future.

Free Practice for Praxis CS Exam: CompuScholar is offering two of their courses and study guides which should prepare you to take the Computer Science Praxis Exam (5652) in Wisconsin. This is entirely free of charge and offered by CompuScholar in conjunction with the CSTA WI-Dairyland. The courses are online, self-paced and self-study, so you can get started at any time and take up to 6 months to complete them. Here is the registration link: <https://www.compuscholar.com/schools/standards/states/wisconsin/praxis>

2020-2021 WMC Board of Directors

Tammy Moynihan, President
CIA Associate Director, CESA 8
Gillett

Lori Williams, Past President
Mathematics Specialist
Manitowoc Public School District

Jane Patterson, Secretary
Mathematics Teacher
Greendale Middle School

Rebecca Brink, Treasurer
Mathematics Teacher
Marinette School District

Mark Bussian, Grades PK-2
Kindergarten Teacher, Token
Springs Elementary, Sun Prairie
Area School District

Michelle Butturini Grades 3-5
Fifth Grade Teacher
Reedsville Middle School

Michelle Parks, Grades 6-8
Math Specialist & Instructional
Coach, Augusta School District

Mary Walz, Grades 9-12
Mathematics Teacher
Sauk Prairie School District

Stephanie Bernander,
College/University Representative
Assistant Professor, UW Oshkosh

Becky Cohen, Statewide
Mathematics Teacher,
Potosi School District

Danielle Robinson, Statewide
Math Interventionist, Milwaukee
Public Schools

Lisa Hennessey, Administrator/
Supervisor
Math Coordinator
Sun Prairie Area School District

Kevin McLeod, Ex Officio
Mathematician, Professor of
Mathematics, UW-Milwaukee

Jennifer Lawler, Ex Officio
WiMLC, Coordinator of
Mathematics, Kenosha Unified
School District

Melissa Hedges Ex Officio
Early Mathematics Learning
Specialist
School District of South
Milwaukee

Julie Bormett & Mary Mooney,
Co-DPI Representatives,
Department of Public Instruction

WMC 2019 Annual Report



Quality mathematics
education that enhances
the learning for ALL
students

3.1415926535897932384626433832795

2019 Annual Report

Your Membership & Donations
= Our Mission

Excellence in Mathematics Education

028841971693993751058209749445923



Supporting excellence in
mathematics education
for students and teachers

In 2019, the Wisconsin Mathematics Council continued to enhance the learning of all students by offering professional learning, communications, and outreach opportunities. For a summary of WMC and its foundation's activities over the 2019 academic year, please read the WMC Annual Report at <http://wismath.org/Annual-Report>. WMC looks forward to more great activities in 2021 and beyond!



The **WMC Mission** is to lead in the development and promotion of quality mathematics education that enhances learning for all students.