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# NEWSLETTER

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## JENN KOSIAK, UW-LACROSSE

The Wisconsin Mathematics Council's Distinguished Mathematics Educator (DME) Award was established in 1983 and 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. The 2020 recipient of the DME Award is Jenn Kosiak, mathematics professor at the University of Wisconsin-LaCrosse.



Jenn has been active in the Wisconsin mathematics education community since starting at UW-LaCrosse in 2004. While there, she has taught a variety of mathematics and mathematics education courses, supervised a number of teacher candidates, designed curriculum for elementary and secondary mathematics education students, and chaired the UW System Math Initiative Project and Math Steering Committee.

She has been published numerous times, presented across the country on a variety of topics, co-authored two NCTM books, and her work has brought in about \$1.5 million in grants. While at UW-L, Jenn has been awarded the Teacher Educator of the Year Award and the UW System Regents Teaching Excellence Award, among many other honors.

Jenn's work with the Wisconsin Mathematics Council is equally impressive. She is a long-standing member of the WMC Board of Directors, and served as WMC President from 2015-2018. During this time, Jenn led the WMC through many initiatives and internal structural changes that strengthened the Council for its future. She is a frequent contributor to the *Wisconsin Teacher of Mathematics Journal*, speaker at the WMC Annual and MPES Conferences, and is the associate editor of the journal. Jenn has led workshops, book studies, local professional development, and has filled in wherever there has been a need to improve mathematics education.

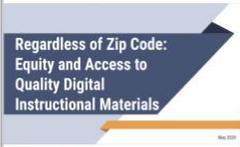
One nominating teacher had this to say about Jenn: "Is there anyone working in mathematics education in Wisconsin, especially anyone involved with WMC, who does not know and respect Jenn as one of the outstanding leaders in our field? Her knowledge of the field itself is second to none, and her enthusiasm, so evident in everything she does, is infectious and inspiring. However, one of the most remarkable features of Jenn's career is her ability to bridge the K-12 and higher education worlds, and act as an effective leader in each.... Jenn is truly an inspiration as a colleague, and as a Wisconsin mathematics educator. She exemplifies the characteristics of a Distinguished Mathematics Educator in every way, and would be a most worthy recipient of this year's award."



Diana Kasbaum, chair of the DME Selection Committee, stated, "Selecting a Distinguished Mathematics Educator is always a challenge, but Jenn's commitment to the Wisconsin Mathematics Council, and commitment to improving mathematics education in Wisconsin make her an easy choice."

Congratulations to the Wisconsin Mathematics Council's 2020 Distinguished Mathematics Educator, Jenn Kosiak. The WMC would like to thank you for offering your leadership and contributing your expertise to the Wisconsin mathematics education community.

## WMC 2021 Annual Conference

 <p>Jan Wickboldt Educational Consultant, Cesa 11</p>	<p>Slides</p> 
 <p>David Ebert Oregon High School</p>	<p>Video and Slides</p> 
 <p>Linda Uselmann Marian University</p>	<p>Slides</p> 
 <p>Eric Siy The Labs Project, Wisconsin Center for Education Research</p>	<p>Presentation</p> 
 <p>Ann Franz Executive Director of the NEW Manufacturing Alliance</p>	<p>Video and Slides</p> 

Although we had to cancel the 2020 Annual Conference this May, the conference committee is at work designing the retake of our 52nd Annual Conference on May 5 - 7, 2021 at the Green Lake Conference Center. We will bring back some of the keynote speakers that were planned for 2020, as well as highlight new keynote sessions. More details will be posted on the WMC website by August 1st.

Five conference presenters also shared their best classroom practices for our WMC members. These short presentations highlight equity and access, hosting STEM fairs, making meme-ing of math, building classroom math talk communities, and getting real with math. WMC thanks our presenters, Jan Wickboldt, David Ebert, Linda Uselmann, Eric Siy, and Ann Franz. The link to these virtual sessions can be found on the WMC website at <http://wismath.org/Virtual-Annual-Conference>.

Don't miss out on sharing your classroom experiences with other Wisconsin educators. We are currently accepting proposals to present at the 2021 WMC Annual Conference. If you have an activity that you have successfully used in your classroom and would like to share, please consider submitting a speaker proposal to WMC at <https://forms.gle/63D78x1PRmBo8xEB7>. The deadline to submit your proposal is October 31, 2021.

## A Message from the WMC President

This edition of the WMC newsletter is being published in unprecedented times for teachers. We are working at home due to the COVID-19 pandemic. We are connecting virtually with colleagues and PLC teams to brainstorm new ways to approach teaching, assessing, and connecting with our students. I thank you all for your continued commitment to supporting ALL students to learn important mathematics, mathematics that can certainly change and impact lives, and maybe - just maybe - mathematics that can change the world.

The spring edition of the WMC journal was published in March. Its articles address learning for students from 4K to high school (<http://wismath.org/Wisconsin-Teacher-Mathematics-Journal>). They address different domains of mathematics: geometry, algebra, statistics, and basic number and operation sense. You may choose to read only the ones that appear from the title to apply directly to the grade levels and topics you teach. I'm going to encourage you, however, to at least skim the others. I found that by reading them all I was reminded and affirmed that my goals to know both my students and their mathematical understandings combine to help me provide access points and engagement for all learners. Once they're engaged, I can move students forward. I can help them make connections between what they already understand and new learning. It's my professional obligation to do everything I can to make this work for every one of my students. This hasn't changed even as I work at my kitchen table rather than at my MPSD office desk.

Reading the WMC journal is just one of the professional development opportunities that hasn't changed during these days of teaching from home. The Wisconsin Mathematics Leadership Council (WiMLC), a special interest group of the WMC, was able to have a spring meeting virtually. Other math groups like NCTM, the Mathematics Institute of Wisconsin (MIW), Wisconsin's chapter of AMTE, and the Math Equity Project continue to provide professional learning that will help us with our new reality. We need these opportunities to not only model lifelong learning for our students, but to continue to improve our practice so it reaches all students in this new environment.

I started my career in education over 30 years ago. I never thought I would participate in the WMC as a member of the Board of Directors much less as president. I never **ever** thought I would see anything like distance learning for all students when I didn't even have a personal computer in my classroom in 1987. Because of everything I'm experiencing right now, I find myself reflecting on the learning that had the greatest impact on my teaching. As a new teacher, I focused on teaching and not as much on learning as I could have. Then I was blessed to work under the supervision of a principal who helped me turn my attention to *evidence of student learning*. At that time, I twisted an old saying to describe my goal to reach every learner, "You can lead a horse to water, but you can't make him drink... but you CAN make the water so sweet and enticing that he can't resist it." The articles in our journal, WiMLC (<http://wismath.org/WiMLC>), WI-AMTE (<https://wiamte.org/>), Mathematics Institute of Wisconsin (<https://mathinstitutewi.org/>), NCTM's 100 days of free professional development (<https://www.nctm.org/100-Days-of-Professional-Learning/>), the Math Equity Project (<https://place.education.wisc.edu/k12-programs/math-equity-project/>), and probably professional development in your own districts will support us as we take the teaching and learning of important mathematics into all kinds of uncharted waters over the next 6-12 months. Please reach for them...engage in them...grow, learn, and enjoy.

This is my last opportunity to share my learning with you through the WMC newsletter. I'll pass the leadership baton to Tammy Moynihan later this month. I'm excited to see where she and the WMC Board of Directors will work over the next two years. I can't thank you enough for all the support you have given me over the last two years. I hope to see you all at the Annual Conference in May 2021!



Working together to help ALL students learn important mathematics,  
Lori Williams, WMC President, 2018-2020

# WMC State Math Contest Results

The WMC State Math Contests were once again a great success. In total, 328 students on 18 middle school and 23 high school teams competed. Congratulations to all of the schools and the top scoring individuals!

## The top scoring middle schools are as follows:

Class AA Team (Advisor)	Class A Team (Advisor)
<b>1st Place:</b> Forest Park Middle School (Dawn Bleimehl) <b>2nd Place:</b> DeLong Middle School (Karyn Wajda)	<b>1st Place:</b> Slinger Middle School (Josh Molnau) <b>2nd Place:</b> DePere Middle School (Rob Bermke)
Class B Team (Advisor)	Class C Team (Advisor)
<b>1st Place:</b> Whitewater Middle School (Joanne Kyle) <b>2nd Place:</b> Viking Middle School, Baldwin-Woodville (Lindsay Mclain)	<b>1st Place:</b> Richmond School (Donna Held) <b>2nd Place:</b> Trevor-Wilmot (Tanna Towry )

## The top scoring high schools are as follows:

Class AA Team (Advisor)	Class A Team (Advisor)
<b>1st Place:</b> James Madison Memorial High School (Alesha Yahr) <b>2nd Place:</b> Eau Claire North High School (Paul Haslow)	<b>1st Place:</b> Whitefish Bay High School (Donna Woodnorth) <b>2nd Place:</b> Oregon High School (David Ebert)
Class B Team (Advisor)	Class C Team (Advisor)
<b>1st Place:</b> Chilton High School (Alan Rudig) <b>2nd Place:</b> Sturgeon Bay High School (Cliff Wind)	<b>1st Place:</b> Brookfield Academy (Jennifer Nolan) <b>2nd Place:</b> St. Joseph Catholic Academy (Grace Kim)

### Sample Middle School Tasks

Andy rolls a fair 10-sided die, numbered 1-10.  
 Brenda rolls a fair 6-sided die, numbered 1-6.  
 Carol rolls a fair 4-sided die, numbered 1-4.

Find the probability that all three people roll the same number.

A school team created a blue, white, and green banner to display at events. The ratio of blue to white on the banner is 2:3, and the ratio of blue to green is 3:4. If the banner has a total area of 414 square inches, what is the area of the white portions on the banner?

### Sample High School Task

Let A, B, C, and D be four digits possible in base 8 and base 9. Consider the two arithmetic problems below, in which the expressions such as AB represents a two-digit number. What are the four digits?

Base 8:    AB + CD ----- 101	Base 9:    AB - CD ----- 26
---------------------------------------	--------------------------------------

Write the counting numbers in one row so as to make a very long number:  
 123456789101112131415....

What is the 2020th digit of this number, counting from the left?

# Updates from the WMC Board of Directors

## 2020 Annual Meeting

The WMC Board of Directors held its 2020 Annual Meeting virtually on Thursday, May 21st. The Annual Meeting highlights included:

- A review of WMC's strategic plan on communications, professional learning, advocacy, and leadership.
- Recognition of WMEF Scholarship and the State Math Contest winners.
- Announcement of the results of the 2020 election and new Board members.
- A report on the new WMC Membership Structure which will be launched on August 1, 2020.

## 2020 Election Results

Congratulations to the newly elected WMC Board Members.

- Rebecca Brink, Treasurer, Marinette School District
- Michelle Parks, Grades 6-8 Representative, Augusta School District
- Danielle Robinson, State-wide Representative, Milwaukee Public Schools

## WMC Thanks Our Outgoing Board Members and NCTM Affiliate Representative



Nate Rosin  
State-wide Representative  
(2017-2020), Middleton-  
Cross Plains School  
District



Brad Weiss  
Wisconsin Technical  
College Representative  
(2014-2020), Mid-State  
Technical College



Maggie McHugh  
Grades 6-8 Representative  
(2017-2020), School  
District of La Crosse



Becky Walker  
NCTM MARC Committee  
Representative (Central 2),  
Howard-Suamico School  
District

**25 YEAR AWARD RECIPIENTS HONORED:** Every year, WMC recognizes its members who have served as educators for 25 years or more with its 25 Year Award. Those achieving this milestone include:

**Kris Britton**, Rice Lake Area School District  
**Rita Devery**, School District of the Menomonee Area  
**Jane Driscoll**, Somerset Middle School  
**Jay Gilhoi**, Grantsburg High School  
**Brenda E. Haag**, Barron Area School District  
**Billie Hovde**, Rice Lake Area School District  
**Mark R. Johnson**, Grantsburg School District  
**Daric A Klabunde**, Cameron School District  
**Ann C. McMenamin**, Rice Lake Middle School

**Rick Melcher**, Goodman - Armstrong Creek  
**Paula Moore**, Frederic School District  
**William P. Munch**, Chetek-Weyerhaeuser High School  
**Cindy Paulson**, School District of the Menomonee Area  
**Melinda Ruck**, Frederic School District  
**Lynn Schaal**, New London Middle School  
**Jill Tinman**, Siren School  
**JanWickboldt**, CESA #11

**WMC thank you for your dedication to mathematics education!**

## WMC New Membership Structure

WMC is pleased to introduce a new membership structure beginning August 1, 2020. All past members since January 2019 will automatically become E-Members of WMC, renewable each year. Current members of WMC will be transitioned to its Sustaining Membership. Please consider becoming a Sustaining Member today to support the mission of WMC to *lead in the development and promotion of quality mathematics education that enhances learning for all students.*

E-Membership	Sustaining Membership - \$35/year
<p>WHO: Any individual who is interested in promoting the mission of the Council.</p> <p>HOW: Get started now by clicking the “Join WMC” at <a href="http://wismath.org">wismath.org</a> or by registering for the next WMC event.</p>	<p>WHO: Any individual who is interested in promoting and financially supporting the mission of the Council.</p> <p>A sustaining member is someone who sees the value in the work of WMC and helps to carry it forward. A sustaining member of the WMC is someone who supports the mission of the Council with dues of \$35 annually to the organization.</p> <p>HOW: Go to <a href="http://wismath.org">wismath.org</a>, click “Join,” and complete the registration.</p>
Benefits	Benefits
<ul style="list-style-type: none"> <li>● Connect with other WI math educators</li> <li>● Quarterly electronic newsletters with current events and updates from across the state</li> <li>● Monthly e-blasts with the most up-to-date announcements and learning opportunities</li> <li>● Bi-annual peer-reviewed electronic journals with ideas to implement best practices</li> <li>● Vote for representatives on the WMC Board of Directors</li> <li>● Represent mathematics educators as a member of the WMC Board of Directors</li> </ul>	<ul style="list-style-type: none"> <li>● ALL e-membership benefits, <b>PLUS</b></li> <li>● Choose print copy of journals and newsletters</li> <li>● Join with others who actively engage and financially support               <ul style="list-style-type: none"> <li>○ efforts to improve teaching practices that promote positive mathematical identity and agency for Wisconsin’s students</li> <li>○ the mathematical understanding that enables ALL learners to make informed personal choices as well as critique and understand their worlds</li> <li>○ the continuing education of WI mathematics educators including up-to-date research on standards and best practices</li> <li>○ the efforts to sustain and high-quality mathematics education through scholarships for highly qualified pre-service teachers</li> <li>○ state-wide critical conversations impacting mathematics teaching &amp; learning</li> <li>○ legislative advocacy for equitable mathematics education for ALL students</li> </ul> </li> </ul>



# Updates from the WMEF



This edition of our update is a bit different. As most of us work and learn safely from home, our thoughts go out to the essential workers and their families. Stay safe and social distance everyone!

The grant deadline is coming up on July 1st (see end of article) and we were hoping to share lots of pictures of the fun events at our Annual Conference in Green Lake but sadly it was canceled. One of the events was to award scholarships to the high school and post secondary students. Our committee was able to get this accomplished and here are the awardees:

## Arne Engebretsen Scholarships

This year, for the first time in its twenty years of evaluating applications and awarding scholarships, the Arne Engebretsen Scholarship Committee unanimously recommended awarding three Engebretsen Scholarships! All three of these candidates were among the best who ever applied for the scholarship. The committee is thankful to WMEF and its financial supporters that all three of these outstanding future educators could be recognized.

### Brynn Beaumier



Brynn Beaumier is graduating from Tomahawk High School. She currently has a 4.0 GPA, and is planning to attend UW-Stevens Point in the fall to major in Math Education.

Brynn stated her goal was “that every student is able to get exactly what he or she wants out of his or her education, and doesn’t feel held back or left behind. I have a passion for math, and I hope to share it with my students and help them see all the fascinating things that mathematics can do.”

In his letter of recommendation, Garth Gerstenberger wrote that Brynn “excels in the areas of responsibility, ethics, honesty, academics and character. She is a well-rounded individual who I feel will make an excellent high school mathematics teacher.”

### Megan Reinke



Megan is a graduating senior from Lakeside Lutheran High School in Lake Mills, where she has a 4.0 GPA. Megan is planning to attend Concordia University in Mequon in the fall, where she intends to major in education.

In her application, Megan said, “Teaching mathematics is important to me because it allows me to combine multiple things that I love into one job. I want to work with kids to ensure they have confidence in their mathematical skills and are striving to push themselves to reach their potential and become successful in the future.”

Todd Hackbarth, who teaches at Lakeside Lutheran, said of Megan, “In over 20 years of teaching [calculus], I don’t know if I have ever had a student write such thorough answers for each problem. She is also the kind of student that will not let anything slide. If she doesn’t understand, she will stop by before school or ask after class. Her attention to detail will serve her well as a teacher.”

## Nathaniel Woltman



Nathaniel is a graduating senior from Appleton East High School. He currently has a 4.0 GPA. He is planning to major in Math Education (K-12) at St. Norbert University.

In his application, Nathaniel said, “I will do a plethora of group activities designed to get kids discussing with each other. ... Math should not be a lecture every day, followed by homework, and culminate in a test at the end of the month. Math is more than that. Math means problem solving, working through setbacks, and embracing your failures so you can learn from them.”

In his letter of support, Anthony Palma talked about a Pre-Calculus class that Nathaniel had as a freshman. “The course had mostly upperclassmen in it, and there was one group in particular that was struggling to learn the material. Nathaniel always finished his work early outside of class, and then used his class time to tutor that small group... they preferred to get help from him than myself.”

## Jane Howell Scholarship - Matisen Ardis



Matisen is a student at UW Milwaukee who will be graduating in May with majors in Elementary Education and Special Education (Middle Childhood - Early Adolescence) and a 4.0 grade point average.

In her application, Matisen said, “I strongly believe that technology makes learning tough concepts more approachable and less daunting to students. As long as it can be used as a tool and not a substitute to learning concepts, technology can be a treasure chest of possibilities in math learning.”

She also was quoted as saying that working with struggling learners is a challenge for teachers, but “there is a sort of magic to providing a sufficient amount of support without completely guiding students to the answer”.

Beth Schfelker, who taught her in Math Methods for Special Education Teachers at UW Milwaukee, noted her enthusiasm and passion for teaching. She showed her skills in working in table groups, where Beth said, “Mati would openly share her thinking to help others learn. Mati never really taught others how to do the math, her natural ability to use probing questions allowed her tablemates the opportunity to develop as they grew their understanding” (in math.)

Christine Lucas, who has taught Matisen and whose classes Matisen now supports at UW Milwaukee, said, “Matisen Ardis will be the change agent math education needs. She is a consummate learner of mathematics and students, hardworking, intelligent, and trusting of her own teachers. She takes pride in leading her students to think and to reason and is the type of person and teacher I would want teaching my own son.”

Jamie Nichol, a 4th grade special education teacher who worked with Matisen, says, “Matisen has a natural teaching ability and uses a variety of manipulatives and visuals to ensure the students will understand mathematical concepts. She asks meaningful, guiding questions to encourage the students to use critical thinking skills. Matisen makes sure that students can display skills independently.”



## Sister Mary Petronia Van Straten Scholarship - Ted Molkentin



Ted Molkentin has a 4.0 GPA so far as part of the UW Eau Claire Honors Program. In two years, he has been involved in a wide variety of activities in college, including having a 4-week summer teaching internship in an urban middle school, doing research with one professor on the impact of autonomous vehicles on the insurance industry, serving as a research assistant for another professor, being actively involved in the Student Senate, and being president of his college dormitory.

Ted wrote: “Students know if a teacher has a passion for teaching versus if they are simply there to collect a paycheck. As teachers we should know that we are *never* done learning and we *never* settle for ‘good enough’. ... As a mathematics educator I am committed to professional development because just like my expectations for my students, I will never settle for being ‘good enough.’” *emphasis in the original.*

Dr. Chris Ahrendt, one of the professors Ted is collaborating with doing research, said, “It is difficult to fake enthusiasm for an academic topic, and students at all levels can readily see through false attempts to do so. But a true love of the material, coupled with a desire to share the beauty of mathematics with others are traits that will serve any future teacher well, as a genuine enthusiasm can draw students into the topic. Ted has demonstrated both of these traits in abundance in the year I have been working with him, and all indications are that he will be a knowledgeable and enthusiastic teacher of mathematics.”

Dr. Hershel Day, with whom Ted also worked in research, writes, “Ted brings a level of dedication to his work that is largely unrivaled by his peers. I’ve worked with a handful of top students on other collaborative efforts, and I’ve not encountered someone as committed to the work as Ted. He puts forth great effort, and you can see the value of his investment pay off in his command of the subject matter... Ted embraces a growth mindset - it is clear he sees challenge not as a barrier, but as a means to improvement. I trust this mindset will follow him to his future classrooms, too.”

Ted also was the winner of the 2018 Arne Engebretsen Scholarship.

### WMEF Grant Opportunities

There are four grant opportunities ranging from short-term classroom needs to long-term professional development available through WMEF.

- Julie Stafford Professional Development Grant
- Student Activity Grant
- Materials/Resources Grant
- Henry Kepner Long Term Professional Development Grant

Deadline for all four grant applications is July 1, 2020. Another round of applicants will be considered for those applications submitted by December 1, 2020.

Check out <http://wismath.org/WMEF-Grants> for more information and application forms.

These scholarships and grants 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.**



## Updates from NCTM

### MEET THE NEW NCTM PRESIDENT



**Trena Wilkerson** is President of the National Council of Teachers of Mathematics (NCTM), an international mathematics education organization with more than 30,000 members. She is also Professor of Mathematics Education in the Department of Curriculum and Instruction in the School of Education at Baylor University. There she teaches both graduate and undergraduate mathematics education courses and conducts professional development and research. She previously was on the faculty of Louisiana State University and taught high school mathematics in Louisiana for 18 years.

Wilkerson received the *Award for Excellence in Integrating Science and Mathematics* from the School Science Mathematics Association (SSMA) for her role as Director of the GEAR UP (Gaining Early Awareness and Readiness for Undergraduate Programs) Math Initiative funded by the U.S. Department of Education. GEAR UP prepared students for higher education beginning in middle school.

In 2018 she received the Association of Mathematics Teacher Education-Texas (AMTE-TX) Outstanding Service Award for significant contributions to the field of mathematics teacher education. In 2016 she received the Texas Council of Teachers of Mathematics E. Glenadine Gibb Achievement Award for her contribution to the improvement of mathematics education at the state and national level. She has also served on the Association of Mathematics Teacher Educators Board of Directors and in leadership roles in state and local mathematics education professional organizations.

Trena Wilkerson's research interests include mathematics education, teacher education, algebra teacher efficacy, teaching and learning of mathematics, and professional development. She has studied the effect of professional development on mathematics teachers and their students through lesson study. She has published extensively in several NCTM journals, including *Mathematics Teaching in the Middle School (MTMS)*, *Mathematics Teacher*, *Teaching Children Mathematics*, and *Journal for Research in Mathematics Education*. She chaired the *MTMS* Editorial Panel and previously served a three-year term on the NCTM Board of Directors from 2014–17.

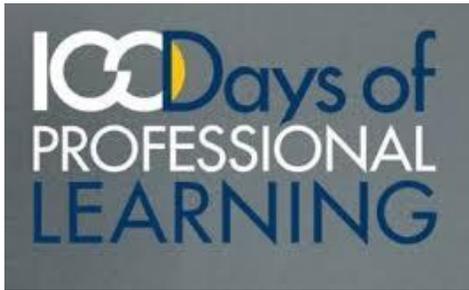
Trena Wilkerson received her Ph.D. in 1994 from the University of Southern Mississippi in Curriculum and Instruction with a focus in mathematics. She earned a Bachelor of Science degree in mathematics from Mississippi College and a Master of Education in mathematics education from Southeastern Louisiana University.

### JOIN NCTM OR RENEW YOUR MEMBERSHIP TODAY!

Use the code BOARD19 when you check out, and save \$20 on your NCTM membership. This code is good for anyone who joins NCTM as a premium member, or renews their membership. Enjoy the benefits of membership including subscriptions to professional journals, discounts on conferences and books, grant opportunities, and more. Visit <https://www.nctm.org/Membership> to learn more and to join NCTM.



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS



## 100 DAYS OF PROFESSIONAL LEARNING

Join NCTM as we celebrate our Centennial with 100 Days of Professional Learning featuring live 60-minute webinars presented by selected speakers from the NCTM Centennial Annual Meeting & Exposition program that was to take place in Chicago.

Each webinar will be held at 7 p.m. Eastern time on 100 selected days beginning April 1. A variety of speakers and topics are geared to meet all grade bands and interests. The Zoom rooms used for the sessions are limited to 1000 participants. In the event that we reach capacity and you are unable to enter the session, you can watch the session on Facebook Live or view the recording on [www.nctm.org/100](http://www.nctm.org/100). The recording will be posted the day after the live event.

## Updates from DPI



### Mathematics Standards Review Process

Based on public feedback from earlier this year, State Superintendent Stanford Taylor has opened The Wisconsin Standards for Mathematics for revision. A timeline extension has been granted until early 2021 to accommodate the process due to the COVID-19 health crisis. The revision process will begin in summer 2020 with a public review in February 2021 and a review by the Standards Review Council in March 2021.

### WISELearn Grants and High Quality Instructional Materials Professional Learning (IMPL) <https://dpi.wi.gov/impl>

*Instruction Partners* (<https://instructionpartners.org/>) just wrapped up a year of learning with many WI educators. The *Curriculum Support Guide* (<https://curriculumsupport.org/>) is the framework that was used and will continue to be one way to think about the implementation of instructional materials. Next year the learning will continue with the *Teaching Lab* (<https://www.teachinglab.org/>). The purpose will be to build capacity around curriculum based professional learning.

Consider applying for a *WISELearn Grant* (<https://dpi.wi.gov/wiselearn>) to support your district's work around curriculum implementation or professional learning that supports the effective implementation of those materials. The deadline for applications is June 12, 2020. Apply today!

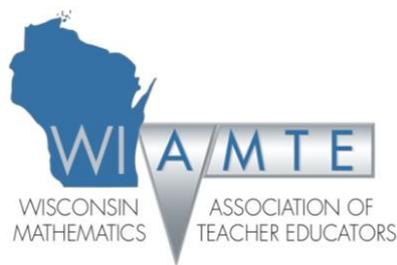
### Presidential Awards for Excellence in Mathematics & Science Teaching (PAEMST)

Interested in seeing where PAEMST Awardees have come from around the state of WI throughout the history of the awards? Check out the *New PAEMST Awardee Map* at <https://www.paemst.org/awardeeMap>!



Currently, math teacher candidates have already begun applications for the K-6, 2019-2020 PAEMST cycle. Due to changes in educational settings this spring, the application deadline for all application components has been extended to October 26, 2020. Stay tuned for information on when the 2020-21, Grades 7-12 PAEMST cycle will begin.

## Updates from WI-AMTE



The Wisconsin Association of Mathematics Teacher Educators hosted its second paper talk from articles from *The Mathematics Enthusiast* special issue *Support Mathematics Teacher Educators' Knowledge and Practice for Teaching Content to Prospective (Grade K-8) Teachers*. This virtual paper talk focused on Drs. Eric Kuennen and John Beam's (University of Wisconsin - Oshkosh) work, *Teaching the Mathematics that Teachers Need to Know: Classroom Ideas for Supporting Prospective Elementary Teachers' Development of Mathematical Knowledge for Teaching*. To view the recording, please visit the WI-AMTE website at <https://wiamte.org/>.

## Updates from MIW



**Summer Programming Update:** Every summer we look forward to connecting with teachers from all over Wisconsin at our Summer Institutes and we are disappointed to announce that we have made the difficult decision to cancel them in response to the COVID-19 outbreak. Although we will miss connecting with everyone at these events, the health and wellness of our participants is our top priority. In light of the current restrictions on face-to-face interactions and large group gatherings we have been busy developing a new online course and

hope to connect with educators virtually this summer. We know that together we can navigate the challenges ahead and continue to support meaningful math learning for all students no matter what fall brings.

**Focus on Fall: Planning for Success** A new online course for educators who are looking for support around planning for fall math instruction. This three-week online course is designed to help teachers navigate ways to head back to school this fall, leveraging their strengths and the strengths of their students, as they consider what mathematics instruction will look like, whether it's face-to-face or from a distance/remote.

Participants will explore and analyze their current curricular materials to plan instruction that keeps grade-level learning as a top priority, focusing on moving students forward, all while using equitable instructional practices to ensure that all learners have opportunities for success.

**Illustrative Mathematics (IM Math):** Are you implementing the Illustrative Mathematics' 6-8 or 9-12 Math curriculum? Join us for an IM Learning™ Instructional Academy to gain firsthand experience and fluency with the IM Curricula. Academy participants will be guided by an IM Certified facilitator as they explore the problem-based lesson structure of the curriculum and learn to leverage both the 5 Practices framework and instructional routines that foster student discourse.

To learn more about the IM Learning™ Instructional Academies and other IM Certified™ professional learning options visit [http://bit.ly/MIW\\_IM](http://bit.ly/MIW_IM) or contact Alyssa Holly ([alyssa.holly@mathinstitutewi.org](mailto:alyssa.holly@mathinstitutewi.org)).

**Focus on Fall: Planning for Success**  
**Online Course Dates:** July 13-31, 2020  
**Cost:** \$600  
**Registration:**  
[bit.ly/Focus\\_on\\_Fall](http://bit.ly/Focus_on_Fall)

**IM Learning™ Instructional Academy (IM 9-12 Math)**  
**Date:** August 5-6, 2020  
**Cost:** \$1,000  
**Registration:**  
[bit.ly/IM\\_Academy\\_9\\_12](http://bit.ly/IM_Academy_9_12)

**IM Learning™ Instructional Academy (IM 6-8 Math)**  
**Date:** August 11-12, 2020  
**Cost:** \$1,000  
**Registration:**  
[bit.ly/IM\\_Academy\\_6-8](http://bit.ly/IM_Academy_6-8)

# Updates from Computer Science

## **PUMPCS Summer Workshops**

We're excited to let you know that applications for Computer Science professional development opportunities hosted by PUMP-CS Project at Marquette are now open!

- Workshops in Project GUTS (Middle School Science modules), Code.org CS Discoveries and Code.org CS Principles: In Milwaukee, WI from July 27-31, 2020 and in Green Bay, WI from July 20-24, 2020

*For additional information, please visit:*

- Marquette's PUMP-CS Project website: <https://pumpcs.mu.edu/>
- Exploring Computer Science: <http://www.exploringcs.org/>
- Code.org's CS Discoveries: <https://code.org/csd>
- Project GUTS: <http://www.projectguts.org/>
- Code.org's CS Principles: <https://code.org/csp>
- Beauty and Joy of Computing: <https://bjc.berkeley.edu/>

A flyer more completely describing each of these programs and registration is available at <http://pumpcs.pbworks.com>. Scholarships are available to cover program costs, thanks to generous support from Code.org (<http://code.org/>), National Science Foundation, and others.

Marquette also offers no-cost workshops for Code.org CS Fundamentals teachers (grades K-5) throughout the year. Contact us for more information!

## **Sixth Annual WI Computer Science Education Summit - Thursday, November 12, 2020**

Plans are being developed for our 6<sup>th</sup> summit which will be held Thursday, November 12, 2020 at UW-Stevens Point. PUMP CS at Marquette University and CSTA WI Dairyland are again providing support.

## **Free Practice for Praxis CS Exam from CompuScholar**

CompuScholar is offering two of their courses and study guides that 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>.

**WI CSForAll Coalition.** This is a state-wide effort facilitated by Sean Roberts, Director of State Government Affairs at Code.org to broaden participation in computer science within K-12. This group is currently meeting regularly to support legislation that is being shepherded into and through the WI legislature. This legislation has three goals: fund PD for CS Teachers, create a state CS position at DPI, and create a state plan for computer science.

The Coalition is working to provide significant support for this legislation once it is introduced into committee and eventually into the full legislature. This Coalition is composed of teachers, post-secondary institution representatives, and currently 70 organizations - including many large, medium and small businesses and other community organizations. See <http://bit.ly/csforwi-orgs> for a current list.

Already we have introduced a letter writing campaign which appeared on our WI-CS and IT-Teachers Google Group. There is still time to submit a letter of support. Contact Joe Kmoch <[joe@jkmoch.com](mailto:joe@jkmoch.com)> for further information.

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### WMC 2018 Annual Report



In 2018, 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, WMEF's activities over the 2018 academic year, please

read the WMC Annual Report at <http://wismath.org/Annual-Report>. WMC looks forward to more great activities in 2020 and beyond!



**WISCONSIN  
MATHEMATICS  
COUNCIL, INC.**

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