



Puget Soundings



Math Between Us: A Perspective from Northern Europe
Jana Dean, Olympia SD
Fall Dinner - October 21, 2019 - [Register Here!](#)

September 15, 2019

Editor: Joyce Frost (frostjoycee@gmail.com)

Calendar

PSCTM **October 21, 2019**
Fall **Bishop Blanchet HS**
Dinner **Jana Dean**

58th NWMC **Tacoma Convention**
Oct. 10-12, **Center/Hotel Murano**
2019 **www.nwmathconf.org/2019/**

PSCTM **February 10, 2020**
Winter Dinner **Bishop Blanchet HS**
PSCTM **May 18, 2020**
Spring Dinner **Bishop Blanchet HS**



President/ and
Social Media-
Traci Cotton
Past
President- -
Jane
Bissonnette

Joyce Frost- Program/ Newsletter,
Sharon Young- Secretary,
Art Mabbott- Treasurer/ NCTM Rep,
Joe Frost- Web Page, Lynn Adsit - Membership.
Laura Beckett, Saraswati Noel, Angela
Ensminger

President's Letter - Traci Cotton

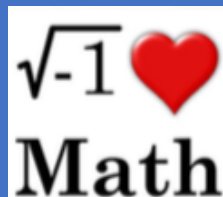
Dear PSCTM members,

Welcome back! It's an exciting time to be involved in mathematics education here in Western Washington. Similar to pumpkin spice, we have some wonderful ways for you to savor this fall.

The 58th Northwest Mathematics Conference will be held October 10-12th in Tacoma. Many of our PSCTM members have been volunteering to help create a conference experience that will be one for the books! As a member of PSCTM, you'll receive a discounted rate to attend the conference. The countdown to the conference is being commemorated on Twitter, Facebook, and Instagram. There's something for everyone to enjoy, and the speaker line up is simply incredible.

Our PSCTM fall dinner event is scheduled for Monday, October 21st. We're excited to have Jana Dean share with us *Math Between Us: A Perspective from Northern Europe*. Reserve your spot today, and plan to include a teacher from your building. The more, the merrier!

Wishing you the very best this fall season,
 Traci Cotton
 PSCTM President



PSCTM Fall Dinner, October 21, 2019

Math Between Us: A Perspective from Northern Europe - - -

Jana Dean, M.Ed, MS Teacher, Olympia SD

Jana Dean spent six months in Dutch classrooms investigating the intersection of learning math and learning language. Join her for stories and findings that will help you see what we do well, and what we can do better. Highlights include what we can learn from Dutch kids learning math in English, what happens in an environment of total school choice, and the far-reaching implications of special education law. Most importantly, see how looking at America from afar can help you celebrate what works in our schools every day.

Jana Dean is a Middle School teacher in the Olympia SD. A recipient of the prestigious Fulbright Distinguished Award in Teaching as well as the Presidential Award for Excellence in Math Teaching, she brings a deep curiosity about the intersection of math and language to her research and to her eighth-grade classroom. This curiosity is informed by her experience as a language-learner herself. She spent a year of high school in a French-speaking city, attended a dual-language graduate immersion program in educational leadership, and learned Dutch during her Fulbright fellowship. In addition, she brings her experience as a performing storyteller to her academic work in language. She is particularly interested in the role of register - within and across languages - for supporting conceptual development.

Welcome Back, Everyone!

A Huge apology to everyone for our missed June 15th newsletter! If you did not receive one, it is not your imagination! Your newsletter editor (and most of the PSCTM Board) was busy helping to create all of the programming and publicity for the 58th NWMC, which will be at the Greater Tacoma Convention Center in less than a month! Don't miss it! October 10-12, 2019. Check it out at: <https://nwmathconf.org/2019/>
Enjoy Jane Bissonnette's end of year (June, 2019) letter to you all!

As our school year comes to an end so, too, does my tenure as your president. It has been a positive experience primarily because of the fantastic support I received from your board members and the positive reception I have received from all of you. Our new president, Traci Cotton, will have her hands full as the Northwest Math Conference is hosted in Tacoma this fall and NCTM has been making changes to the regional conference schedule as well. Traci is a seasoned leader as she has been PSCTM president in the past. I know she has some exciting developments to put into action so keep on the look-out for new developments including lots more social media posts. Thank you for allowing me to serve as your president. I look forward to seeing you at our quarterly dinners next year.

Jane Bissonnette, June 15, 2019

Math Fun!

If you multiply 6 by an even, single digit number, the answer will end with the same digit!

The number in the tens place will be half of the number in the ones place.

Example: $6 \times 4 = 24$

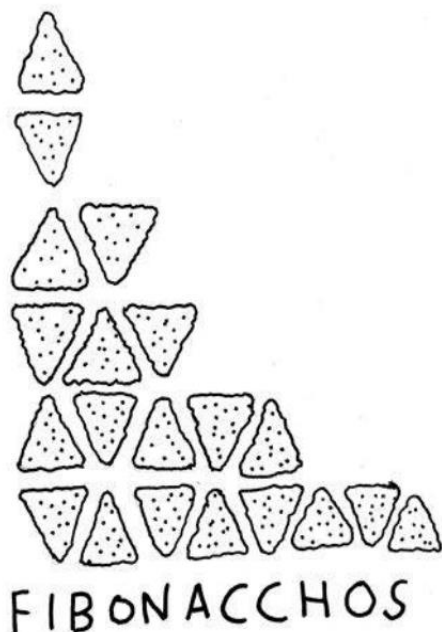
Have your beginning algebra students ponder this one.

$$6x = (10x)/2 + x$$

$$6x = 5x + x$$

$$6x = 6x!$$

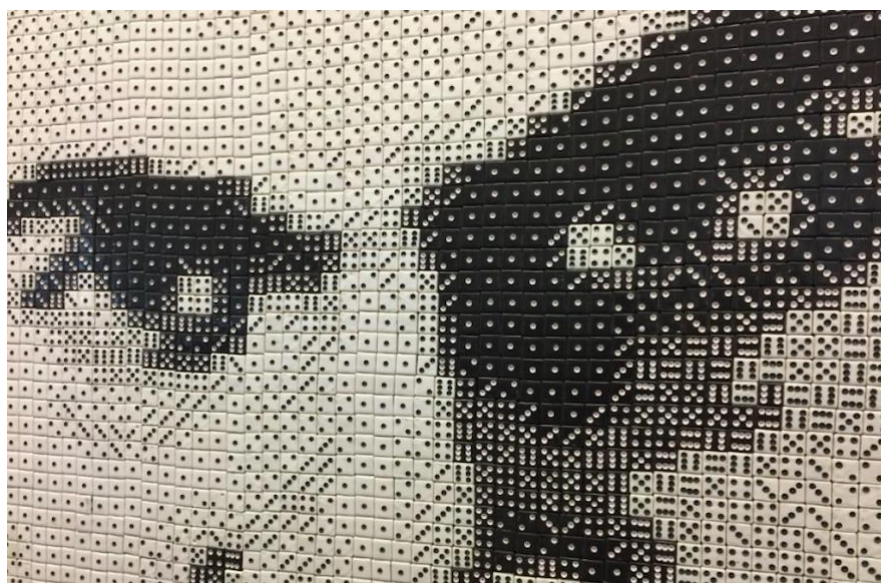
Jane Bissonnette, Past-President



Honoring Indian mathematician, Srinivas Ramanujan

Located at the Kempegowda International Airport, the dice mosaic was created by students of Srishti Institute of Art, Design and Technology to honour and celebrate Indian mathematician, Srinivas Ramanujan's infinite contributions to the field of Mathematics. Created by Nitish Chopra and Yashvi Vasundhara, the mural is made using pieces of dice as individual pixels and is a Guinness World Record attempt. The two used 40,000 dice to create the 100-sq-ft artwork.

[Read more](#)



ARE YOU CELEBRATING?

Palindrome Week 2019

9-10-19
 9-11-19
 9-12-19
 9-13-19
 9-14-19
 9-15-19
 9-16-19
 9-17-19
 9-18-19
 9-19-19



Special thanks to my friend and amazing math & statistics teacher, Carol Hattan for this beautiful, mathematical quilt!
Photo by Joyce Frost

Composite Functions

$f(x)$



$g(x)$



$f(g(x))$



$g(f(x))$



Oct. 10-12, 2019

58th NWMC

TACOMA CONVENTION CENTER AND HOTEL MURANO

FIRST TIME IN TACOMA!

REGISTER TODAY!



Don't forget!

**Early bird
Registration
extended to
September 26!**

***Hotel and Conference
prices go up***

Don't miss the 58 Day Countdown to the Conference with Speaker Tweets on social media.



Did you see that?

Follow PSCTM & NWMC on social media!

Share your lesson ideas, news with us, too!

@PSCTM

@NWMATHCONF

Thursday Pre-conference, October 10, 2019

Mini-courses: 9 am-12 pm: Leslie Nielsen (Gen), Kendra Lomax (PK-2), Kim Sutton (K-5), Julia Aguirre (3-8), Chris Luzniak (6-12), Tom Reardon (6-12), Patty Stephens (6-12), James King (6-16)

Mini-courses: 1:30 - 4:30 pm: Dan Meyer (6-12), Megan Franke, Elham Kazemi (PreK-5), Liz Barrett (PreK-5), Sasha Hammond, Ann Sipe (K-8), Dan Finkel (3-8), Nate Dunham (6-8), Michelle Hackstadt, Gini Stimpson, Molly Huggins (6-12), Darrell Trussel (6-12)

Opening Keynote: Thursday, October 10, 2019 at 7 pm

Dan Meyer, Chief Academic Officer at Desmos, "*Designing for Belonging*"

Friday: Sessions and Workshops, 8 am - 5:15pm

Friday Night IGNITE Talks: 5:30 pm

Peg Cagle, Jeff Crawford, Annie Fetter, Chris Luzniak, Mahtab Nazemi, Saraswati Noel, Mei Pontano, Chris Shore, Ksenija Simic-Muller

Saturday: Sessions and Workshops, 8 am - 11:50 am

Saturday Breakfast: 7 - 8:50 am: Brian Duncliffe, TI Ed Consultant
On The Road to Code: When the Wheels are Turning, the Students are Learning!

Closing Keynote: Saturday at 12:15 pm

Julia Aguirre, UW Tacoma, "*Build Bridges not Walls: Elevating our Vision for Math Strong Children and Youth*"



Dan Meyer, Opening Keynote Julia Aguirre, Closing Keynote

Dan's Opening Keynote (7 pm Thursday) is entitled, "Designing for Belonging". You can also sign up for his Pre-Conference mini-course entitled, "Charge Up Your Classes w/ Free Desmos Activities".

Julia's Closing Keynote is (12:15 pm Saturday) is entitled, "Build Bridges not Walls: Elevating our Vision for Math Strong Children and Youth". You can also sign up for her Pre-Conference mini-course entitled, "Mathematizing the World: Empower Young Minds Using Mathematical Modeling with Community/Social Justice Contexts". Or, attend her Friday workshop, "Make Mathematics Meaningful! Mathematical Modeling with Cultural and Community Contexts".

Check out the FULL PROGRAM online!

We have an amazing program with 170+ speakers featuring up to 24 STEM clock hours, grade levels PreK-16, and a wide variety of important topics!

Sign up for your favorite Pre-conference mini-courses! They are filling up fast!

Book a room at the Hotel Murano! A special conference rate is available through September 26th from this link.

Don't miss the Friday Night IGNITE Talks - Quick 5-minute talks with 20 slides that advance automatically. See you at 5:30 pm Friday night!



ELDON EGBERS SCHOLARSHIP: *Apply now for the Eldon Egbers Scholarship!*

Eldon Egbers was a special friend to Washington state math teachers. He wanted other teachers to experience the delight of teaching mathematics and the joy of participating in the Northwest Mathematics Conference. In honor of his dedication and enthusiasm for math education, the PSCTM established a scholarship to allow a PSCTM teacher to attend the NWMC. The \$200 scholarship may be used to offset the costs of attending this amazing event. The award requirements are:

- ⇒ A minimum two years membership in PSCTM.
- ⇒ Submit a brief letter explaining why you would like to attend the NWMC.
- ⇒ The applicant has not been a previous recipient of the award.
- ⇒ The \$200 scholarship funds are used towards the costs of registration, transportation, lodging, meals, and/or a substitute teacher.
- ⇒ Receipts are submitted to the PSCTM treasurer, along with a brief article to our editor to be published in the PSCTM newsletter. The article may contain lesson ideas, resources, reflections on practice, or any other ideas the recipient learned at the conference.
- ⇒ A letter of application should be emailed to Traci Cotton, PSCTM President at tcotton@everettsd.org. Be sure to include Eldon Scholarship in the headline of the email. Applications are due October 1, 2019.
- The awardee will be publically recognized on PSCTM social media and at our Oct 21st Fall Dinner.

Traci Cotton, PSCTM President

PSCTM Membership Awards in honor of *Diane Lustyk and Reg Waddoups*

Do you know someone who would be interested in a free year of membership to PSCTM and a prepaid opportunity to attend three dinner events in 2020? (Winter, Spring, Fall)

In honor of two great mathematics educators, ***Diane Lustyk and Reg Waddoups***, the PSCTM is offering two scholarships for membership which will include paid admission to the winter, spring dinner events for the 2020 calendar year. One scholarship will be awarded to a teacher working with elementary aged students, in memory of ***Diane Lustyk***. One scholarship will be awarded to a teacher working with middle school or high school students, in memory of ***Reg Waddoups***.

Diane Lustyk was a teacher in Bellevue and Everett Public Schools. Diane served as an elementary math specialist in Everett Public Schools for over 25 years. She was also a very active member of PSCTM and served on the board as the Snohomish County Representative. Diane loved sharing math with her students. She was also happy to encourage other teachers to join PSCTM, and other math focused events.

Reg Waddoups was a teacher in Seattle Public Schools and Lake Washington School District for many years. In both districts, he started and ran the Math Olympiad program for many years, writing the competition questions and running the events. He was a regular presenter at the annual NWMC sharing amazingly creative math projects, puzzles, games, etc. He was well loved by all who knew him.

To nominate yourself, or a colleague, please send an email to tostrick@everettsd.org. Please include the following information:

- Nominee name
- Grade level the nominee teaches
- A brief explanation, in a few sentences, why the nominee should be awarded the PSCTM membership scholarship
- The name of the person suggesting the nomination (unless this is a self-nomination)
- Phone number and email address for the nominee

The PSCTM Membership Award deadline is January 15, 2020.