



HCTM Newsletter

HAWAII COUNCIL OF TEACHERS OF MATHEMATICS

SEPTEMBER 2018

from your President . . .

Dear HCTM members,

Welcome to a new school year! I hope that your school year has gotten off to a fabulous start. It has been an interesting summer transitioning from my old position as the State Mathematics Resource Teacher for the Hawaii Department of Education to a Math Coach at Salt Lake Elementary. Salt Lake is my old stomping grounds as I am returning back to the school after being away for 9 years. I am excited to return to see familiar faces and to work with a lot of new teachers as well! Being back with kids (after being away at the Honolulu District Office and the Office of Curriculum, Instruction and Student Support) has been refreshing!

If you feel as if Hawaii Council Teachers of Mathematics (HCTM) just had an annual conference this year, you are correct. We had our annual conference in January 2018. Based on feedback from teachers, we moved our annual conference to the fall so that it is early enough in the school year so you can try out some of the new things that you learn at the conference. In the year 2020, the National Council Teachers of Mathematics (NCTM) will be moving their annual conference to the fall too.

Your 2018 conference theme is “Engaging Math Minds.” This half-day conference will take place at Iolani School on Saturday, September 15, 2018 from 8:00am – 12:30pm. Our keynote speaker is Dewey Gottlieb, the newly elected president of the Association of State Supervisors of Mathematics. Dewey was formerly the Educational Specialist for Mathematics at the Hawaii Department of Education, and is a 2002 recipient of the Presidential Awards for Excellence in Mathematics and Science Teaching and the 2003 Milken Educator award. His keynote for the conference is entitled “Curiosity. Exploration. Persistence. Play. Joy.” Breakout session descriptions will be forthcoming. We look forward to seeing all of you at the conference! Registration is now open.

If you are interested in helping at the conference, please email me or Conference Chair, Amy Yonashiro.

Hope to see you at the conference next month!

Mahalo,

Stacie Kaichi-Imamura

HCTM President

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Engaging Math Minds

Our annual conference has been moved to September following suggestions from past attendees. A fall conference gives teachers more time to try out great lesson ideas and activities in their classes.

Our theme this year is "Engaging Math Minds".

The keynote "Curiosity. Exploration. Persistence. Play. Joy." will be given by Dewey Gottlieb, NAEP State Coordinator and President of the Association of State Supervisors of Mathematics.

Some of the speakers and poster session presenters are listed here and they will be sharing hands-on activities using origami paper, tin foil, Ozobots, and Desmos. [See a complete list at hctm.org]

Diana Ching-Teruya – Hands On Activities in a High School Geometry Class

Barbara Dougherty – Algebraic Thinking: Students Who Struggle Can Do It!

Stacy George – Math in the Garden

Kathleen Goto – Using Double Number Lines to Solve Ratio/Proportion Problems

Janel Mar – Math Games and Mathematics

Bryan Moseley – Why Are Fractions So Difficult? And What To Do About It.

Travis Mukina – Preservice Teachers' Beliefs and Understanding of Algebra Word Problems

Michael Park – Using Multi-Solution Problems to Engage Math Minds

And here is a short list of some of the poster sessions:

Terri Trevathan – Full STEAM Ahead with Ozobots!

Jay Chow – Desmos Magic for All

Lisa Cockett – Tin Man Challenge

Meryle Hirotsu – Origami: Octagonal Star

We will have samples of over 25 of NCTM's newest publications available. Not only will attendees receive a 20% discount on any NCTM title through 9/22/18 AND **SHIPPING IS FREE** for this limited time. An additional reason to shop NCTM is HCTM will receive 10% of all purchases.

Join us on Saturday, September 15, 2018 from 8 am – 12:30 pm at Iolani School. Register online at hctm.org

Keynote Speaker, Dewey Gottlieb:

Curiosity. Exploration. Persistence. Play. Joy.

I once asked a room full of kindergarteners how many of them love math. Can you envision a bunch of smiling faces and enthusiastic hands raised in the air? I also asked a room full of 12th graders how many of them love math. Can you envision a bunch of smiling faces and enthusiastic hands raised in the air? This year's conference theme, "Engaging Math Minds," should inspire us to be innovative and creative in designing learning opportunities for our students so that we'll be able to see as many 12th graders with smiling faces and enthusiastic hands in the air as there are kindergarteners. In this discussion we'll dive into the notion that, at its core, mathematics is about curiosity, exploration, persistence, play and joy. If these are critical elements of the mathematical experience, what implications arise for how we engage the mathematical mind?

from NCTM . . .

Report from NCTM Annual Conference

Amy Yonashiro, HCTM's NCTM Representative

The 96th NCTM Annual Meeting and Exposition was held April 25-28, 2018 in Washington D.C. As the NCTM representative for HCTM, I attended several meetings over 3 days with representatives from other NCTM affiliates. We shared our successes and our concerns; we brainstormed; and we met with NCTM President Matt Larson in a Q&A session.

The biggest announcement this year was the new membership options for individuals. Did you know that HCTM receives a rebate when our members become NCTM members? Don't forget to link your NCTM membership to HCTM.

Essential Membership (\$89/year) includes a subscription (both print and digital) to one journal (elementary, middle, or high school), unlimited access to NCTM's vibrant online community MyNCTM, 20% discount at the NCTM Store and on meeting registrations, and much more. New NCTM members can join for an introductory rate of \$59 for two years.

Premium Membership (\$139) includes a subscription (both print and digital) to all three journals, 30% discount at the NCTM Store and on meeting registrations, a FREE e-book per year after renewal, unlimited access to NCTM's vibrant online community MyNCTM, and much more.

Emeritus Members receive Premium membership for \$49. An Emeritus member is defined as a person who is 62 years of age or older and has 15 years of membership in NCTM.



Student membership (\$49) is designed for those enrolled in an accredited college or university as a full-time student with an interest in mathematics education. Membership includes a 30% discount at the NCTM Store, complimentary Regional meeting registrations, and e-access to all three school journals and the Journal for Research in Mathematics Education (JRME).

An NCTM membership will enhance your professional development with resources, research, an extensive network of fellow math educators, and exclusive membership discounts,



Oahu Math League . . .

The Oahu Mathematics League (OML), which organizes monthly high school competitions in topics from algebra to calculus, will be entering its 51st year of competition in September. The league has over thirty member schools on Oahu, both public and private, as well as member schools on the Big Island. OML is comprised of three divisions: Leibniz,



Newton, and Junior Varsity. The Leibniz division is for larger teams up to ten members, the Newton division is for smaller teams up to six members, and the Junior Varsity team is for freshmen and sophomores. The following is the competition calendar for this school year:

- Meet 1 – September 22 @ Moanalua HS
- Meet 2 – October 20 @ Waipahu HS
- Meet 3 – November 17 @ Kamehameha School, Kapalama Campus
- Meet 4 – January 19 @ McKinley HS
- Meet 5 – February 9 @ Kaiser HS
- Meet 6 – March 9 @ Kailua HS
- Meet 7 – April 6 @ Campbell HS

For more information, go to the League website (www.oahumath.org) or contact Lance Suzuki, the League president (lancesuzuki.oml@gmail.com) with your questions or if your school is interested in participating.

HCTM 2018 Conference



Saturday, September 15

8:30 – 12:30

at Iolani School

Register online at hctm.org

HCTM Board . . .

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Meet some members of the Board . . .

Michael Ida — Treasurer

Michael teaches at Kalani High School.

Q: Why did you become a math teacher or why do you like being involved with math/HCTM?

A: I come from a family of teachers (mother, aunts, cousins) and so it was a natural progression. I became involved with HCTM as a way of contributing to the community of educators beyond just my own school.

Q: What are some of your goals for this year?

A: I would like to streamline and enhance accounting and bookkeeping procedures for greater efficiency and transparency.

And I will add in that Michael has for many years shared the position of Head Grader for the Oahu Math League. Thank you Michael for everything you do for our students.

Keith Ishihara — Middle School Director

Keith teaches 7th grade mathematics at Aiea Intermediate School.

Q: Why did you become a math teacher?

A: To help students realize that math is not difficult and can be fun and interesting!

Q: What are some of your goals for this year?

A: To continue my goal of why I became a teacher, and to help students become better problem solvers.

Q: Is there anything else about you that might be interesting that you are willing to share?

A: I cried when "Bob" from Sesame Street held me as a baby/toddler (or so my mother told me).