Aloha Math Educators,
The summer months are coming to an end and by the time you read this everyone should be back in the classroom. Welcome Back!!! Hopefully you have found the summer to rewarding professionally and relaxing personally. I know that things get busy very quickly so I will give you two reminders right now.

1. Make sure that your membership is current and if you need to renew the membership you do so this week. Memberships run from September 1st to August 31st. For your convenience you can renew on our website, www.hctm.org. We now allow you to extend your membership to multiple years. What a bargain! With your membership comes this monthly newsletter and you get a reduced price to our annual hctm conference. Please take advantage of this and get some high quality, low priced PD.

2. Our annual conference will be held this year at Sacred Hearts Academy on Saturday, January 19th. Mark your calendars. We have exciting presenters already lined up with more being added everyday. This year we are proud to present Mr. Dan Meyer as our keynote speaker for the conference! If you are not sure who that is, just google his name. He became known from his TED talk called “Math Class Needs a Makeover”. (you can view it at www.ted.com and just search his name). He now goes all over the US and speaks to math educators. He is currently pursuing his PHD at Stanford University college of education.

Please plan on joining us in January and staying current on your membership. I think this is going to be the best year ever for Math educators in Hawaii. If you are as excited as I am and want to help out we are still currently looking for teachers to fill two board seats. VP elect (conference chair) and the Middle School Director. If you are interested in either of these positions let me know and I will try to get you information about the responsibilities or you can look at them on our website in the bylaws.

I hope you enjoy the school year and know that we all continue to work hard to ensure that we have the most prepared math students as possible.

Have a great year everyone!

Sincerely Yours
Scott
### Calendar of noteworthy events:

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Date</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>K – 12 Mini-Conference</td>
<td>September 22, 2012</td>
<td>Kamehameha Schools, Pukalani Campus, Maui</td>
</tr>
<tr>
<td>Secondary Mini-Conference</td>
<td>October 27, 2012</td>
<td>Roosevelt High School</td>
</tr>
<tr>
<td>HCTM/PIMYTAC/T^3 Regional Conference</td>
<td>January, 19, 2013</td>
<td>Sacred Hearts Academy</td>
</tr>
</tbody>
</table>

Have another event you think others in our community would like to know about? Feel free to submit interesting websites and articles as well! Email egabriel@sacredhearts.org

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### Secondary Mini-Conference

On Saturday, October 27, 2012, Roosevelt High will be hosting a mini-conference for secondary teachers. Check-in will be at 8 am, with the first session running from 8:30 to 10:00 am. The second session will run from 10:15 to 11:45 am. All sessions will be held on the second floor of the main building (A-building, which is located near the school gym.) Please check the HCTM website for more information or contact Laura Nagata at Laura_Nagata@NOTES.k12.hi.us. We look forward to seeing you at this mini-conference!

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### HCTM Membership Renewal Reminder

HCTM memberships for each school year expire on Aug. 31. You may renew membership online (go to [http://hctm.org](http://hctm.org) and select the Membership Information link) so you won’t miss any of the exciting upcoming HCTM opportunities. If you have chosen to receive your newsletter by mail, the membership expiration date is printed on the address label on this newsletter. Email renewal notices were sent in late July to those members who have selected email newsletter delivery.

Aloha and have a great new school year!

Deborah Kula, Membership Chair
dkula@sacredhearts.org
HCTM flies to Maui

The Hawai‘i Council for Teachers of Mathematics is packing its calculators, protractors, and compasses and heading to Maui! HCTM will be flying speakers from O‘ahu to present at a K-12 Mini-Conference on Saturday, September 22nd at the Kamehameha Schools Pukalani Campus from 9:00 a.m. until 2:00 p.m.

Our conference welcomes Michael Serra, author of the textbook Discovering Geometry and numerous workbooks such as the Mathercise Series, What’s Wrong with This Picture, and Smart Moves. He will offer a keynote presentation entitled Problem Solving, featuring Polya’s Problem, as well as a breakout session called Games and Puzzles that Develop Reasoning Skills.

We are also excited to offer three breakout sessions focused on Singapore Math, presented by Laura Fukumoto and Saundra Takara and Dan Kitashima. Also joining us at this conference is Amy Yonashiro, who will be sharing technology tools and integrating those tools in the classroom. And finally, HCTM continues its partnership with the SUPER-M Program from the University of Hawai‘i’s Mathematics Department, as Principal Investigator, Michelle Manes, presents a session on using jump ropes to solve arithmetic and fraction problems; and fellows, Aaron Tamura-Sato presents a session on Predicting the Future, and Ryan Felix presents a session on Graph Theory.

We are thrilled to have this opportunity to share our love of math beyond the shores of O‘ahu, and hope to see all of you on Saturday, September 22nd at the Kamehameha Schools Pukalani Campus from 9:00 a.m. until 2:00 p.m. Below, you’ll find our tentative schedule for the day.

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
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<tbody>
<tr>
<td>8:30 am</td>
<td>Registration</td>
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<tr>
<td>9:00 am</td>
<td>Keynote Speaker: Michael Serra</td>
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<td></td>
<td>Problem Solving, featuring Polya’s Problem</td>
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<tr>
<td>10:15 am</td>
<td>Room 1: Singapore Math’s Visual Approach and Common Core Standards, Part 1</td>
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<td>Room 2: Rabbit Colonies, Bird Flus, and Recursion: Predicting the Future by Looking at the Past</td>
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<td></td>
<td>Room 3: Laura Fukumoto and Saundra Takara</td>
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<td></td>
<td>Michael Serra</td>
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<td></td>
<td>K-5</td>
</tr>
<tr>
<td>11:15 am</td>
<td>Room 1: Tech Tools You Can Use Today</td>
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<tr>
<td></td>
<td>Room 2: Singapore Math’s Visual Approach and Common Core Standards, Part 2</td>
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<td></td>
<td>Room 3: Introduction to Graph Theory</td>
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<td></td>
<td>Amy Yonashiro</td>
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<td></td>
<td>K-5</td>
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<tr>
<td>12:00 pm</td>
<td>Room 1: Why Singapore Math?</td>
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<td></td>
<td>Room 2: Conway’s Rational Triangles</td>
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<td></td>
<td>Room 3: Daniel Kitashima</td>
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<tr>
<td></td>
<td>Amy Yonashiro</td>
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<td></td>
<td>K-5</td>
</tr>
<tr>
<td>1:30 pm</td>
<td>Evaluation and Closing</td>
</tr>
</tbody>
</table>

Below, you’ll find our tentative schedule for the day.
Calling All Exhibitors

Exhibitors may participate in the 2013 HCTM/PIMATYC/T³ Conference to be held on Saturday, January 19, 2013 by registering at http://exhibitorrequest.eventbrite.com

The exhibitors will be situated in the new cafeteria at Sacred Hearts Academy where registration will take place. Tables (3’x6’) are available at a cost of $50. This includes lunch. Any exhibitors who would also like to speak at the conference may submit a speaker proposal at www.hctm.org.

We have a wonderful program of speakers planned. Don’t miss this opportunity to share your educational materials and technology with the teachers. Register today!

OML Awards Luncheon

An Oahu Mathematics Leagues Awards Luncheon was held on Saturday, May 12, 2012 at Natsunoya Tea House to honor the OML coaches and volunteers for their dedicated service to the students of Hawaii. The 68 teacher coaches and volunteers from over 30 schools have spent many hours coaching their students in mathematics over the years.

Wil Okabe, President of HSTA (Hawaii State Teachers Association), gave a heart-warming speech to thank the teachers for their dedicated service. Also expressing her gratitude was Chrystn Eads, Deputy Managing Director, for Mayor Carlisle. The teachers received Award Certificates from Wil Okabe, Mayor Carlisle, Senator Jill Tokuda, Pres. Lance Suzuki and letters from Senator Daniel Inouye, Congresswoman Mazie Hirono, Congresswoman Hanabusa, and a copy of the congressional record from Senator Akaka.

The luncheon was sponsored by donations from Accuity, LLP; AECOM, Inc; HECO, HSTA, HCTM, and McDonald’s.
The 2011-12 season of the Oahu Mathematics League (OML) was an exciting one with three new member schools and top-notch academic competition. OML – an association of approximately 30 public and private high schools and an official STEM organization – has promoted mathematics education for the past four decades by organizing monthly mathematics competitions for students.

At the conclusion of the last math meet held at St. Louis on April 14, the following school honors were accorded:

<table>
<thead>
<tr>
<th>Division</th>
<th>First Place</th>
<th>Second Place</th>
<th>Third Place</th>
<th>Fourth Place</th>
<th>Fifth Place</th>
<th>Most Improved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leibniz Division</td>
<td>Iolani</td>
<td>McKinley</td>
<td>Kamehameha</td>
<td>Punahou</td>
<td>Mililani</td>
<td>Kalani</td>
</tr>
<tr>
<td>Newton Division</td>
<td>St. Louis</td>
<td>Kaiser</td>
<td>Hanalani</td>
<td>Kailua</td>
<td>Radford</td>
<td>Kailua</td>
</tr>
<tr>
<td>Junior Varsity Division</td>
<td>Iolani</td>
<td>Punahou</td>
<td>McKinley</td>
<td>Mililani</td>
<td>Punahou</td>
<td></td>
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</tbody>
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The Leibniz Division consists of teams of 10 students while the Newton Division consists of teams of between 6 and 10 students and the Junior Varsity Division is for freshmen and sophomores.

Individual achievement was also recognized with the OML Senior Merit Award – the highest honor OML can bestow. These students – nominated by their coaches and selected by committee – have demonstrated the highest standards of reliability, leadership, and mathematical ability:

Eric Baxa (Waipahu)  
Myungkeun Cho (McKinley)  
Byung Hee Chun (St. Louis)  
Rikuro Fukusato (Maryknoll)  
Maggie Kwock (McKinley)  
Mitchell Kwock (Iolani)  
Cordelia Xie (Iolani)  

These students will continue to distinguish themselves in college as they pursue degrees in fields ranging from biology and chemistry to economics, engineering, and mathematics.

Dates and some tentative sites for 2012-13 season have been scheduled:

Meet 1: September 15, 2012 @ Moanalua  
Meet 2: October 13, 2012 @ McKinley  
Meet 3: November 17, 2012 @ Kaiser  
Meet 4: January 12, 2013 @ Waipahu  
Meet 5: February 9, 2013 @ Radford  
Meet 6: March 16, 2013 @ Punahou  
Meet 7: April 20, 2013 @ Kamehameha  

For more information, OML has a website at [www.oahumath.org](http://www.oahumath.org) that also includes a Facebook link. If individuals are interested in having their school become an OML member school – or just have a question – feel free to contact Lance Suzuki the league president at [lancesuzuki.oml@gmail.com](mailto:lancesuzuki.oml@gmail.com).
High school math contest:  
A chance for your student and department to win up to $5000

The American Mathematical Society is conducting a national contest for high school students (roughly 9th grade and above, but anyone can take the test), Who Wants to Be a Mathematician, with a top prize of $5000 for the winning student and $5000 for the math department of that student's school. There is no fee to participate.

*When/where: The 2013 contest will take place Thursday, January 10, from 9:30 to 11:00 a.m. at the Convention Center in San Diego. The event is part of the Joint Mathematics Meetings, which take place January 9-12, 2013.

*Travel: The AMS will reimburse reasonable travel expenses and room and board for each contestant and a parent/guardian for a maximum of two nights. Contestants and their parent(s)/guardian(s) are welcome to attend other events at the meeting.

*Qualifying: Contestants are chosen based on their scores on a qualifying test, administered by teachers (or in the case of home-schooled students, by whomever does the teaching at home).

*Request a qualifying test by emailing the AMS Public Awareness Office, paoffice@ams.org, with the subject line "2013 national contest." In the body of the message, include your name, school, contact information, and courses taught this year.

*Deadline for receipt of tests is Wednesday, Oct. 17. The AMS will select 10 contestants from different regions of the US and will notify those qualifiers beginning Friday, Oct. 19.

*Contest format: There will be two semifinal games, each with five of the contestants. The winners of the two semifinals will go "head-to-head" in the finals for the national championship. The champion will win $5000 for himself or herself, $5000 for your math department, a traveling trophy for you to display at the school until the 2014 contest, a trophy for the school/department to keep, and an individual trophy for the winner to keep. All contestants will win prizes, cash for themselves, and cash for your department (the minimum cash prize is $500 for the student and $500 for the department).

*See more about the contest at http://www.ams.org/programs/students/wwtbam/wwtbamnational.

Best wishes,

Mike Breen
AMS Public Awareness Officer and
Host of Who Wants to Be a Mathematician

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