Aloha everyone!! At this point some of us have been in the classroom for nine weeks and we are thinking about wrapping up the 1st quarter already. Some of us are wondering what we are going to do to make up for the 17 missed school days both financially and academically. If you just need time to think about what you need to do for the rest of the year, see some old friends that you haven’t seen for a year (or maybe even years), or just want some inexpensive professional development to go to, we have three opportunities for you.

It is not like you haven’t read about these opportunities before (i.e. the first newsletter) but maybe the events of the past week will change your mind. I am wondering if you know that you can register online ([www.hctm.org](http://www.hctm.org)) or you can register at the door (but pre-registration is recommended). If you are a member, our mini-conference is only $5 and only $20 for non-members. The sessions and the site is already set and you can find those sessions and speakers listed on the HCTM website or in this newsletter. If you would like to present a session and haven’t had a chance to turn in a proposal, there is still time. Don’t wait too long since the deadline to submit forms is the end of the month.

Scott
We need presenters for our Spring Conference!!

HCTM is seeking speakers for its annual conference, February 13, 2010, being held at on the high school campus of Kamehameha Schools in Honolulu. This year's theme is "Messing Around With Math & Technology: Everyone's Doing It!"

We'll offer 3-90 minute sessions on Saturday. Sessions can be hi-tech, lo-tech or NO-tech oriented.

If you’re interested in speaking at one of the sessions, all sessions or something in between, please fill out the Conference Speaker Proposal form on the last page and send it to the conference committee (attn: Debbie Kula) by October 31, 2009.

Calendar of noteworthy events:

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<th>Event</th>
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<td>HCTM Mini-Conference for Middle Grades</td>
<td>October 24, 2009</td>
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<td>HCTM Mini-Conference for Elementary Grades</td>
<td>November 21, 2009</td>
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<td>HCTM Spring Conference</td>
<td>February 13, 2010</td>
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<td>NCTM Annual Meeting</td>
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<td>State Math Bowl</td>
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<td>Maui High School</td>
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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 ksakaguc@iolani.org.

Things to do:

- Please notify Debbie Kula, Membership Director, dkula@sacredhearts.org if:
  1. your membership expiration date or any other information is incorrect;
  2. you’d like to help HCTM “Go GREEN” and receive your newsletter via email. Include your name and email address.

Become a Member of NCTM:

HCTM's National Affiliate

HCTM encourages all its members to become a member of the National Council of Teachers of Mathematics. NCTM offers excellent resources for teachers grades Kindergarten through high school as well as information to keep you abreast with education reform and policies at the national level. Attend its annual meeting in San Diego this April and network with over 20,000 math educators from across the United States and beyond. You’ll come back to school energized and excited to teach mathematics using the best-made practices.

To join, use the membership form provided in this newsletter. Or go online to http://www.nctm.org and click on the membership menu. Be sure to indicate you are an HCTM affiliate member and NCTM will donate $3 to HCTM! Like HCTM, pre-service teachers are welcomed to join at a discount rate.
Proposed Amendment to HCTM Constitution

The following amendment to the term of HCTM membership is proposed:

Current

ARTICLE III: Membership and Dues
Anyone interested in the purposes or activities of the organization is eligible for membership. The membership drive will be continuous. The term of membership is one year from the date that dues are paid. The amount of dues will be determined by the Executive Board.

Proposed

ARTICLE III: Membership and Dues
Anyone interested in the purposes or activities of the organization is eligible for membership. The membership drive will be continuous. The term of membership covers September 1 of a given year, until August 31 of the following year. The amount of dues will be determined by the Executive Board.

What this change will mean to your current membership? If the proposed amendment is adopted, 2010 will be our transition year. All membership expiration dates in 2010 will be adjusted to expire on August 31, 2010. Membership expiration dates in 2011 or 2012 (yes, some members are prepaid for several years) will be adjusted to expire on August 31 of 2011 or 2012 respectively.

All members whose dues are current as of Sept. 30, 2009 will receive a ballot for this amendment. To be counted, the ballot must be returned and received by Oct. 30, 2009. Per our constitution, the amendment will pass if supported by two-thirds of the members responding to the vote.

COUNTDOWN – a free math education resource
Krista Damico, Chicago GEAR UP Alliance,
School of Education, Loyola University Chicago
KDAMICO@LUC.EDU

Countdown is an educational website devoted to effective mathematics instruction. The site features over 800 instructional math video clips and printable worksheets, categorized by NCTM standards. The 4-7 minute clips are from our television show, originally broadcast in Chicago. The off-camera voices you hear in the movies are elementary school students who phoned in to help solve math problems.

http://COUNTDOWN.LUC.EDU

Countdown can be used for everything from teacher professional development to student homework help. For teachers (and tutors), Countdown offers:
-lesson plan examples
-demonstrations of manipulatives and graphing calculators
-ideas for using basic computer software in math instruction
-games to engage students while practicing various math concepts
-ways to use children’s literature in math class
-quick refreshers on a wide variety of topics

For students, Countdown offers:
-supplemental instruction beyond the classroom
-material ranging from basic to challenging
-the chance to review and preview math concepts

For parents, Countdown offers:
-enjoyable games and worksheets for the student to do at home
-the chance to see a quick review of a concept before trying to help the student
-introductions to concepts in case the student is absent for a day
-exploratory opportunities for mathematically talented children
-explanations of algebraic concepts needed to obtain a GED

The Assessments section of the site offers basic curriculum guides for algebra and geometry -- a quick way to access all of the movies on the site relevant to those subjects. We are excited to share this resource with you. Feel free to share it with your colleagues. Please let us know if you incorporate Countdown in your work. We welcome feedback on the site and ideas for improvement.
In addition to the Annual Spring Conference, HCTM is sponsoring two Mini-Conferences this year. Register for them on-line at http://hctm.org.

HCTM Mini-Conference for Middle Grades Teachers
Dewey Gottlieb, Middle School Director
Resource Teacher, OCISS

On Saturday, October 24, 2009, HCTM will be hosting a middle grades mini-conference focusing on preparing all students for Algebra. With increasing expectations for Algebra 1 as the minimal entry-level mathematics course for high school, a critical need exists to ensure that the middle-grades mathematics curriculum adequately prepares students in six key areas:

- operations with signed numbers
- proportional reasoning
- variables and expressions
- patterns
- the coordinate plane
- inequalities

Each breakout session will focus on one of these six critical areas, providing teachers with ideas and resources for supporting all students to strengthen their mathematical understanding. Breakout sessions will run concurrently (2 sessions scheduled in each of three 70-minute time blocks). Participants will be able to attend 3 sessions, so be sure to bring a colleague with you so that between the two of you, all 6 sessions can be covered.

In addition, for anyone interested in learning more about the TI-Nspire, Debbie Kula will be presenting a special session: "Teaching Tough Topics: Action/Consequence Documents with the TI-Nspire". This extended session will run concurrently with the 6 breakout sessions, and will run through 2 consecutive time blocks.

The mini-conference will run from 8:00am – 12:30pm and will be held at the OCISS Annex (475 22nd Ave., Honolulu, HI 96816). Be sure to pre-register for the mini-conference as space is limited. The registration fee is $5 for current HCTM members, and $20 for non-members. Go to the HCTM website (http://hctm.org) for registration information.

I look forward to seeing you at the mini-conference.

HCTM Mini-Conferences for Elementary Grades Teachers
Stacie Kaichi-Imamura,
Elementary School Director

On Saturday, November 21, 2009, HCTM will host an elementary mini-conference at OCISS on 22nd Avenue. A range of topics/sessions will be available for teachers to attend being teachers at the elementary levels have a wide range of needs. Topics range from process standards, differentiation, integration, Singapore math, etc. to support mathematical understanding.

Breakout sessions will run concurrently (2 sessions scheduled in each of the three 60-minute time blocks). Participants will be able to attend 3 sessions.

The elementary mini-conference will be run from 8:00am - 12:00pm and will be held at the OCISS Annex (475 22nd Avenue, Honolulu, HI, 96816). Be sure to pre-register for the mini-conference as space is limited. The registration fee is $5 for current HCTM members, and $20 for non-members. Go to the HCTM website (http://hctm.org) for registration information.

Come on down and join us on Saturday, November 21st! I look forward to seeing you at our elementary mini-conference!
DO YOU WANT TO TRAVEL?

International travel grant for US teachers to travel to Argentina, Armenia, Azerbaijan, Bangladesh, Bulgaria, Cambodia, Dominican Republic, Egypt, El Salvador, Estonia, Georgia, Ghana, Guatemala, Honduras, India, Jordan, Kazakhstan, Kyrgyzstan, Latvia, Nicaragua, Poland, Russia, Senegal, Tajikistan, Thailand, Turkmenistan, or Ukraine!

Under the Teaching Excellence and Achievement Program (TEA) the U.S. Department of State and IREX (the International Research & Exchanges Board) announce a competition for middle and high school teachers from the United States to participate in a two-week professional exchange program.

Eligible applicants must be:
- Secondary-level (middle or high school), teaching professionals with five or more years of classroom experience in disciplines including English as a Second Language, English Language or Literature, social studies, math, or science.
- U.S. citizens, and
- Able to travel in spring or summer 2011 to one of the aforementioned countries.

The program is fully funded and provides: visa support, round-trip domestic airfare, lodging and meals to attend the TEA U.S. Conference, round-trip airfare from the U.S. to the assigned country, emergency medical evacuation plan, and lodging and a daily stipend in host country.

Application Deadline: October 30, 2009

For more information please go to www.irex.org.

Applications can be downloaded at: http://www.irex.org.

For more information, you may contact Chris Helmkamp at (202) 628-8188 ext 167 or tea@irex.org.

The grant is provided by the Bureau of Educational and Cultural Affairs (ECA), US Department of State and implemented by IREX. It provides for visa support, round-trip domestic airfare, lodging and meals to attend the TEA U.S. Conference, round-trip airfare from the U.S. to the assigned country, emergency medical evacuation plan, and lodging and a daily stipend in host country for a two week exchange to one of 27 countries. 80 awards will be made.

During the exchange, US teachers will work with their international hosts to conduct professional development workshops for the educational community and co-teach in their area of expertise. It is also a wonderful way to internationalize the US teacher's classroom by creating long-lasting ties to students and teachers on the other side of the globe.
American Mathematics Contest 8 (AMC 8)
David Furuto, HCTM Vice President

All students in grades 6, 7 and 8 are encouraged to participate in the AMC 8. What is the AMC 8? The AMC 8 is a 25 question, 40 minute multiple choice examination in middle school mathematics designed to promote the development and enhancement of problem solving skills. This school year it will be held Tuesday, November 17, 2009. For a current brochure, go to the URL: http://www.unl.edu/amc/d-publication/d1-pubarchive/2009-10pub/AMC8/2009-10-AMC8-bro.pdf.

The examination provides an opportunity to apply the concepts taught at the junior high level to problems which not only range from easy to difficult but also cover a wide range of applications. Many problems are designed to challenge students and to offer problem solving experiences beyond those provided in most junior high school mathematics classes. Calculators are not allowed. High scoring students are invited to participate in the AMC 10.

A special purpose of the AMC 8 is to demonstrate the broad range of topics available for the junior high school mathematics curriculum. This is done by competencies. The AMC 8 has the potential to increase the perceptions of the importance of problem solving activities in the mathematics curriculum by stimulating these activities both preceding and following the examination —specifically by studying the solutions manual.

Additional purposes of the AMC 8 are to promote excitement, enthusiasm and positive attitudes towards mathematics and to stimulate interest in continuing the study of mathematics beyond the minimum required for high school graduation. Developmentally, junior high school students are at a point where attitudes toward school and learning, and perceptions of themselves as learners of mathematics are solidified. It is important that they be provided opportunities that foster the development of positive attitudes towards mathematics and positive perceptions of themselves as learners of mathematics. The AMC 8 provides one such opportunity.

AMC 8 Intramural Awards
• A Certificate of Distinction is given to all students who receive a perfect score.
• An AMC 8 Winner Pin is given to the student(s) in each school with the highest score.
• The top three students for each school section will receive respectively a gold, silver, or bronze Certificate for Outstanding Achievement.
• An AMC 8 Honor Roll Certificate is given to all high scoring students.
• An AMC 8 Merit Certificate is given to high scoring students who are in 6th grade or below.

The American Mathematics Competitions (AMC) are dedicated to the goal of strengthening the mathematical capabilities of our nation's youth. One way to meet this goal is to identify, recognize and reward excellence in mathematics through a series of national contests called the American Mathematics Competitions. The AMC include: the American Mathematics Contest 8 (AMC 8) (formerly the American Junior High School Mathematics Examination) for students in grades 8 and below, begun in 1985; the American Mathematics Contest 10 (AMC 10), for students in grades 10 and below, new in 2000; the American Mathematics Contest 12 (AMC 12) (formerly the American High School Mathematics Examination) for students in grades 12 and below, begun in 1950; the American Invitational Mathematics Examination (AIME), begun in 1983; and the USA Mathematical Olympiad (USAMO), begun in 1972.

Registration for the AMC 8 may be accomplished by mailing the Registration Form (pdf version) found at this web site or you may register on line, access is available at http://www.math.unl.edu/~amc/registration. Fees for each school wishing to register are as follows:

Registration & Standard Shipping through October 19 $33
Registration & Expedited Shipping Oct. 20 - Nov. 2 $43
Registration & Overnight Shipping Nov. 3 - Nov. 10 $53

Exams (including student answer forms) are sold in Bundles of 10 @ $11 per bundle. The minimum charge to participate in the AMC 8 is $44 (including the registration fee with standard shipping) and would enable 10 students to participate.

If you have any questions, please do not hesitate to contact the URL above, or David Furuto at furutod@byuh.edu.
MESSING WITH MATH AND TECHNOLOGY-EVERYONE’S DOING IT!

Name _____________________________________________________________

Mailing Address ______________________________________________________________________________________

School ________________________________________________________________

Home Phone (___) __________________________ School Phone (___) __________________________

E-mail Address ___________________________________ FAX (___) __________________________

Title of Proposed Session ____________________________________________

Description ____________________________________________________________________________________________

Co-Presenter(s) _________________________________________________________________________________________

Session Type: ☑ 90-minute “hands-on”/lecture/demonstration

Check all boxes that apply:

Level ☑ K-5 ☑ 6-8 ☑ 9-12 ☑ College/University ☑ Pre-Service Instruction

Topic Area  ☑ Math ☑ Elementary ☑ Middle Grades ☑ General

☑ Algebra ☑ Algebra 2 ☑ Geometry

☑ Pre-Calculus ☑ Calculus ☑ Statistics

Science ☑ Elementary ☑ Middle Grades ☑ General

☑ Biology ☑ Chemistry ☑ Physics Math

☑ Other __________________

Technology Focus ☑ TI-Nspire ☑ TI-83/84 Plus Family ☑ TI-89 ☑ TI-92 Plus/ Voyage™ 200

☐ TI-73 Explorer™ ☑ CBR ☑ CBL2 ☑ TI-Navigator

☐ NONE ☑ TI-10 ☑ TI-15 ☑ TI-34XS

☐ Apps (include what you will use) ________________________________

☐ OTHER _____________________________________________

Participant Level ☑ Beginner ☑ Intermediate ☑ Advanced

Equipment Requirements _____________________________________________

Please return to:        Debbie Kula dkula@sacredhearts.org

3253 Waialae Ave., Honolulu HI 96816      FAX: (808) 737-7867

OR

Kimlynne Slagel kislagel@ksbe.edu

DEADLINE FOR SPEAKER PROPOSALS IS OCTOBER 31, 2009
ADDRESS SERVICE REQUESTED