



Sacramento Area Mathematics Educators  
and CSU, Sacramento Mathematics Project

# Making Math Meaningful

S.A.M.E. Mini-Conference

Saturday, March 4, 2017

8:45 am – 1:30 pm

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## Conference Agenda

8:15 - 8:45	Registration, Continental Breakfast, & Vendors
8:45 - 9:05	Welcome & Introductions
9:15 - 10:15	Break-Out Session 1
10:20 - 11:20	Break-Out Session 2
11:25 - 12:05	Grade Level Sessions: A Look at Student Competition Problems
12:05 – 12:25	Student Competition Exhibits
12:30 – 1:30	Moveable Feast: Lunch, Awards Ceremony, Networking, & Door Prizes

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## Conference Information

### ∞ To Register:

Visit our website at [www.sacramentomathproject.org/same-conference](http://www.sacramentomathproject.org/same-conference) to register online or download a registration form and return it to the MASE office with a check for your registration fee. Registration and payment must be received in our office no later than **Wednesday, March 1, 2017**.

### ∞ Break-Out Sessions:

Please indicate your session interest on the registration form so that we can have an idea for organizational purposes. Sessions will be open to maximum room capacity on the day of the conference. (*Your choice will not be “binding”!*) You can view and download a description of the sessions at our website.

### ∞ Exhibit of Student Competition Entries:

Students will have submitted their solutions to one of two mathematical tasks that were chosen in the spirit of Common Core. Student submissions (which might be posters or electronic or...) will be judged before the conference, and awards will be given to the top student at each grade level at our conference.

### ∞ Certificates of Attendance:

Signed forms will be available at the registration tables following the close of the conference.

### ∞ Questions?

Contact Deb Stetson at [stetson@csus.edu](mailto:stetson@csus.edu) or Debbie Dennick at [debbie@csus.edu](mailto:debbie@csus.edu) or 278-4497.

**REGISTER ONLINE AT: [www.sacramentomathproject.org/same-conference](http://www.sacramentomathproject.org/same-conference)**

**OR Make check payable to S.A.M.E. and**

**mail to 6000 J Street, Sacramento, CA 95819-6125**

**Fax to: (916) 278-5084 or call Debbie Dennick at (916) 278-4497 for questions.**

## SAME 2017 Break-Out Sessions

Title	Presenter	Grade	Description
Problem of the Month	Joe McLean <i>Springview Middle</i>	K-12 <sup>th</sup>	If you are looking to add higher-level tasks into your teaching, then this session is for you! This session will introduce you to problems of the month. We will explore this outstanding free online resource and discuss ways to begin implementing them in your classes. The Problems of the Month are non-routine problems designed to be used school wide to promote a problem-solving theme at your school. Each problem is divided into five levels of difficulty, Level A (primary) through Level E (high school), to allow access and scaffolding for students into different aspects of the problem and to stretch students to go deeper into mathematical complexity. The Problems of the Month were developed by the Silicon Valley Mathematics Initiative and are aligned to the Common Core standards. Please bring a laptop or tablet so you can explore the resource during the session.
Making Student Thinking Visible using Padlet	Marie Criste <i>Roseville Joint Union High School District</i>	K-12 <sup>th</sup>	Gathering thinking from all students in class can be a challenge - only some are willing to share. Come see how an app called Padlet can be used to gather thinking from each student or each pair or each group, and how that can be viewed and used by the class.
Desmos - More Than a Graphing Calculator	Carol Pryor <i>Roseville Joint Union High School District</i>	7 <sup>th</sup> -12 <sup>th</sup>	In this hands-on session we will explore the many activities, lessons and features available on Desmos. Participants will leave with a user-friendly HyperDoc containing links, descriptions, tips and tricks for each Desmos application. Recognizing that technology is a tool to support student learning, strategies will be shared for using these activities with your current math curriculum to increase engagement and collaboration, strengthen academic vocabulary, and make thinking visible. Time will be given to explore, create, and play!
Problem Solving with Probabilities	Scott Farrand, Corey Shanbrom, & Vincent Pigno <i>Sacramento State</i>	9 <sup>th</sup> -12 <sup>th</sup>	Treat yourself to the opportunity to be a student for an hour, and have some fun with a rich problem solving exercise. We'll pose a problem about probabilities that challenges your intuition. As the problem expands, it becomes something completely unexpected, reaching a beautiful and surprising conclusion.

### Student Competition Problem Break-Out Sessions

Join us as we work through a rich task from the student competition requiring students to MODEL, to mathematicise the situation in order to provide a solution. We'll share a rubric which supports communicating clearly and correctly the mathematical solution path, and which supports grounding the reasoning in the context of the problem. The task provides students an opportunity to demonstrate their abilities to model with mathematics (SMP4), to construct viable arguments (SMP 3), and to reason abstractly and quantitatively (SMP 2).

**Student Problem #1**

500 Pounds of Pennies for Elementary

**Student Problem #2**

A Triangle and A Trapezoid for Elementary



**MAKING MATH MEANINGFUL - S.A.M.E. MINI-CONFERENCE**  
 California State University, Sacramento Math Project  
 Saturday, March 4, 2017

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 Name

\_\_\_\_\_  
 Home Mailing Address

\_\_\_\_\_  
 City State Zip

\_\_\_\_\_  
 Best Email

\_\_\_\_\_  
 Best Phone

\_\_\_\_\_  
 School District Grade Level

\_\_\_\_\_  
 Special needs (Dietary/Disability)

**Breakout Preferences:** (list 3) \_\_\_\_\_

**Student Competition Breakout Preferences:** (list 1) \_\_\_\_\_

**Registration Fee (check one):**

- \$50 (includes S.A.M.E. membership for 2016)
- \$40 if S.A.M.E. dues were paid at Asilomar this year
- \$25 for students
- Free, I am leading a**  break-out session  student competition

**Select Type of Payment:**

- Purchase Order # \_\_\_\_\_

If you are waiting on a PO write in the contact person for the PO on the above line AND have your principal or district contact email [debbie@csus.edu](mailto:debbie@csus.edu) to verify it is in process.

- Check enclosed payable to S.A.M.E.
- Charge my:  Visa  Mastercard  Discover

Cardholder Name: \_\_\_\_\_

Credit Card #: \_\_\_\_\_ Exp. Date \_\_\_\_\_ CVC \_\_\_\_\_

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\_\_\_\_\_ CSMP \_\_\_\_\_ GD \_\_\_\_\_ CSMP Verified \_\_\_\_\_ CTO  
 \_\_\_\_\_ Billed \_\_\_\_\_ Deposited \_\_\_\_\_ Copies  EC  MASE  UEI (PP)

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