



South Dakota Science Teachers Association
James Stearns
15 N. 5th Street
Groton, SD 57445

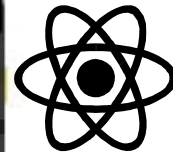


South Dakota Council of Teachers of Mathematics

ADDRESS SERVICE REQUESTED



JOINT PROFESSIONAL DEVELOPMENT CONFERENCE



SOUTH DAKOTA SCIENCE TEACHERS ASSOCIATION
South Dakota Council of Teachers of Mathematics
February 4, 5, and 6, 2016

HURON EVENTS CENTER
Huron, SD

24th Annual

Welcome to the SDCTM/SDSTA Joint Professional Development Conference

Huron Event Center—February 4, 5, and 6, 2016



- Bring your best Supermarket Science lab/demo to the Thursday night Science Sharing Session
- Bring your favorite math activity/handout to the Thursday night Math Sharing Session
- Share the Classroom Treasures in the Salon
- Visiting with Vendors may count as one session's attendance towards graduate credit class
- Friday & Saturday Noon Luncheons included
- Friday evening banquet (ticket purchase required)
- Business meetings of SDCTM & SDSTA
- SD-AAPT business meeting and Photo Contest
- VENDORS
- Door Prizes

HIGHLIGHTS

- Featured Speakers-See page 2
- ARTsome Astronomy
- RhizoDive right in!
- Not your Mother's Microscope
- Fun with Fractions
- Science in a Suitcase
- Connecting Sanford Lab Science to Classrooms
- TiNspire: STEM behind health!
- Elementary GLOBE
- Technology Resources for the Classroom
- Science + Math + SD History = FUN!



Geek T-Shirt Saturday

Bring and wear your best ~~nerd~~ Math and/or Science t-shirt. It's time to get our smart masses enthused for the rest of the school year. Let's relax and get fired up for the last semester.

Sharing Sessions for both math and science teachers will be held Thursday evening in Rooms Dakota A & E (7:00 – 9:00 PM). Attendance at a sharing session is required to earn graduate credit from Dakota Wesleyan University. On-site registration for the Conference starts at 7:00 AM Friday and Saturday.

Featured Speakers

BANQUET SPEAKER — Sam Kean as a kid, spent years collecting mercury from



broken thermometers in South Dakota, and now he's a writer in Washington, D.C. His stories have appeared in *The Best American Science and Nature Writing*, *The Atlantic*, *The New York Times Magazine*, *Mental Floss*, *Slate*, and *Psychology Today*, among other places, and his work has been featured on "Radiolab" and NPR's "All Things Considered," among other shows. His books *The Disappearing Spoon* and *The Violinist's Thumb* were national bestsellers, and both were named an Amazon "Top 5" science books of the year. *The Disappearing Spoon* was nominated by the Royal Society for one of the top science books of 2010, while both *The Violinist's Thumb* and *The Dueling Neurosurgeons* were nominated for PEN's literary science writing award. He earned a master's degree in library science that he "will probably

never use". Sean is a fast reader but a very slow eater. Come get your books signed after the banquet.

OTHER FEATURED SPEAKERS

Tom Reardon - taught mathematics for thirty-five years at Fitch High School and for thirty-four years at Youngstown, State University in Ohio. He has been doing Professional Development in mathematics technology for school districts across the U.S. and internationally since 1995. His specialties are graphing technologies (T³ national instructor), iPads, SMART Boards, integrating multiple technologies, problem solving, and pedagogy. He has earned numerous teaching awards including the Presidential Award for Mathematics Teaching. Tom regularly speaks at NCTM and T³ national and regional conferences. He is currently developing activities and technologies to assist teachers and students better understand Transformational Geometry in middle and high school.

Benjamin Losby - is the owner of Precision Microscope Sales, a full service laboratory supply company specializing in microscope sales, service and repair. After receiving his B.S. in Physics with an emphasis in Geology and a minor in Mathematics at Montana State University – Bozeman, Ben began a career in the energy industry running remote sensing operations in Montana, North & South Dakota, Wyoming and Alaska. In 2014 he decided to leverage his experience in diagnostic technologies and assumed ownership of Precision Microscope Sales. Based in Billings, MT, Ben travels from Oregon to Minnesota servicing & repairing microscopes for the medical, veterinary and educational industries. Ben can be contacted by phone (800-848-4824), email (blsby@precisionmicroscopesales.com) or online via the company website (www.PrecisionMicroscopeSales.com).

Don Balka – a former middle school and high school mathematics teacher, is a Professor Emeritus in the Mathematics Department at Saint Mary's College, Notre Dame, Indiana. During his career as an educator, Balka has presented over 2,000 workshops on the use of manipulatives with elementary and secondary students at national and regional conferences of the National Council of Teachers of Mathematics, state mathematics conferences, and at inservice training for numerous school districts in the United States. He has taught classes and worked with teachers in schools throughout the world, including Ireland, Scotland, England, Saudi Arabia, Italy, Greece, Japan, and Mariana Islands in the South Pacific. Balka has written over 50 books on the use of manipulatives for teaching K-12 mathematics and is a coauthor of the Macmillan K-5 elementary mathematics series, *My Math*. He has also co-authored books on coaching, leadership, visible thinking in mathematics, and most recently rigor in the mathematics classroom.

Texas Instruments has been working with South Dakota teachers for several years. Former SD science teacher Jeff Lukens has been writing content and delivering workshops for TI throughout his career and during his retirement. Recently, Sanford Research partnered with TI to create the STEM Behind Health series of activities related to careers and science in healthcare and biomedical research. As featured speakers TI will be represented at the conference with a team of experts in science and math education and their various devices. Their sessions will highlight the varied nature of the activities designed for both science and math classes.

Visit www.sdctm.org or www.sdsta.org for complete Program and Hotel Information.

2016 SDCTM/SDSTA JOINT CONFERENCE

Conference information and program booklets will be available online at www.sdctm.org and www.sdsta.org

ADVANCE REGISTRATION

Crossroads Events Center, Huron South Dakota

February 4-6, 2016

1-800-876-5858

Please print clearly. Postmark by January 20, 2016. After this date, please register on-site.

Name _____

Permanent Address _____

City _____ State _____ Zip _____

School/District _____ E-mail _____

Home phone _____ School Phone _____

Please check the appropriate categories for membership, conference registration, and payment.

1. SDCTM/SDSTA MEMBERSHIP(s) and DUES

Please check the appropriate categories. You may join one, both, or neither organization.

Begin/renew SDCTM (math) for one year

_____ Elementary \$5
_____ Middle School \$20
_____ High School \$20
_____ Post-Secondary \$20
_____ Student \$5
_____ Retired \$5
_____ Other \$20

Begin/renew SDSTA (science) for one year

_____ Elementary \$5
_____ Middle School \$20
_____ High School \$20
_____ Post-Secondary \$20
_____ Student \$5
_____ Retired \$5
_____ Other \$20

Note: First year teachers are eligible for a scholarship providing a free registration. See www.sdctm.org for details.

2. CONFERENCE REGISTRATION

Please check the appropriate categories. Noon luncheon is included for each day that you register.

NOTE: The Friday night banquet is NOT included. Banquet tickets may be purchased for \$25 each.

I will attend the conference on (check one): _____ Friday _____ Saturday _____ Both days

SDCTM or SDSTA Member

_____ One day \$50
_____ Two days \$75

Non-Member

_____ One day \$100
_____ Two days \$125

Student Member

_____ One day \$15
_____ Two days \$25

College credit will be available; information/registration will be available at the conference registration table.

3. PAYMENT: By Check Only

Make checks payable to SDCTM.

SDCTM does NOT accept credit cards or purchase orders.

Membership(s) total \$ _____
Registration \$ _____
Friday Night Banquet (\$25 each) \$ _____

TOTAL ENCLOSED \$ _____

Requests for refunds must be received by January 20, 2016

4. SEND THIS FORM WITH PAYMENT

Steve Caron

**907 South 16th Street
Aberdeen, SD 57401**

**School phone (605) 725-8208
Home phone (605) 226-2292**

Email: Registration@SDSTA.org

*Advance registration must be postmarked by January 20, 2016.
After this date, please register on-site.*

Please check here if you have also submitted a speaker proposal form for the 2016 Conference. ☐