



**South Dakota Science Teachers Association**  
James Stearns  
15 N. 5<sup>th</sup> Street  
Groton, SD 57445



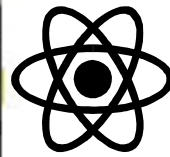
**South Dakota Council of Teachers of Mathematics**

ADDRESS SERVICE REQUESTED



# JOINT PROFESSIONAL DEVELOPMENT CONFERENCE

# 23rd Annual



**SOUTH DAKOTA SCIENCE TEACHERS ASSOCIATION**  
**South Dakota Council of Teachers of Mathematics**  
**February 5, 6, and 7, 2015**

**HURON EVENTS CENTER**  
**Huron, SD**

# ***Featured Speakers***

## **BANQUET SPEAKER — Bill Zubke**



Bill was born in South Dakota and grew up in North Dakota and Minnesota (or maybe just grew older...as the up has not yet been achieved!) He graduated with a BS degree (maybe the absolutely perfect descriptor for his style) in speech/theatre/English. Bill started teaching at Fargo North and finished teaching in Watertown 34 years later. He is currently retired, but enjoys an encore career speaking to groups. Bill has one wife that has been with him for 41 years and has had several dogs that have owned them. He was a Christa McAuliff award recipient, SD Teacher of the Year in 2000, and the SD Pork Cookoff King and national finalist thanks to beer and pork chops! (The beer was on the pork chops, but possibly in the judges as well!) Even though he views himself as a work in progress, his objective is to leave a positive legacy. His personal mission statement is "to add value to every circumstance I encounter."

## **OTHER FEATURED SPEAKERS**

**Roxie Ahlbrecht** - Roxie Ahlbrecht is a second-grade teacher at Robert Frost Elementary School in Sioux Falls, South Dakota, USA. She recently spoke with Nicole Strangman, editorial assistant at ROL, about the Apple Bytes website created by her students. Using her knowledge of technology and interest in art, Roxie helped her class build a fun and exciting site that served to provide valuable writing lessons. "There is nothing like looking at a kid's eyes when they first see their work come up on a computer."

**Marie B. Copeland** - does extensive EMATHS training. She is bringing her presenting partner to assist with Embracing Mathematics, Assessment & Technology in High Schools. EMATHS professional learning experiences provide secondary mathematics teachers the opportunity to: 1) increase content knowledge and have deeper insights into mathematics, 2) maximize the effective use of technology in instruction, 3) use research-based pedagogy to create models of instruction that incorporate communication, inquiry and investigation, and 4) implement formative assessment for improved instruction in Algebra I, Geometry, and Algebra I.

**Cathy Ezrailson** - has been an Associate Professor of Science Education at USD for eight years. Cathy earned her Ph.D. From Texas A&M University in Curriculum & Instruction: Physics Education. She has taught high school physics geology, astronomy and geology, was a Physics Teaching Resource Agent and active member of AAPT for 30 years, and has been the managing editor of ThePhysicsFront.org - the Physics/Physical Science Digital Library for 12 year. Her research interests include science safety in the classroom and lab at all instructional levels. In 2000, Cathy was the PAEMST Science Teacher of the Year from Texas. She is currently finishing a book (with her co-author oceanographer David Shonting) telling the story of the asteroid Chicxulub that hit the Earth 70 million years ago, causing the extinction of the dinosaurs.

**SD Highway Patrol – Matthew Peterson, Mike Weber, John Lord w/Aros, and Brian Biehl w/Zara.** After a total of 80 years of working for law enforcement, this team will be presenting on a variety of topics at our Math & Science Professional Development Conference. The STEM activities they'll be dealing with include Accident Reconstruction, the Biology of Drug Recognition, and the science of a dog's olfactory system to detect drugs.

Visit [www.sdctm.org](http://www.sdctm.org) or [www.sdsta.org](http://www.sdsta.org) for complete Program and Hotel Information.

# Welcome to the SDCTM/SDSTA Joint Professional Development Conference

## Huron Event Center—February 5, 6, and 7, 2015



### HIGHLIGHTS

- Featured Speakers-See page 2
- A Look at the Unit Circle
- Playing Your Way Trough the Common Core
- The A to Z of Canine Cops
- Low Maintenance School Gardens
- LEGO More to Math
- Science Dojo: Add Kick to Your Lessons
- Weather Ballooning: Out of the World!
- Mathematical Idol: The Reunion Tour!

- Bring your SLO to the Thursday night Sharing Session
- Share the Classroom Treasures (in Salon II)
- Sanford PROMISE-programs & opportunities
- Visiting with Vendors may count as one session's attendance towards graduate credit class
- Experimenting with the Pipe Flute
- Pioneer Math & Science on the Prairie
- Exploding Dots
- Friday & Saturday Noon Luncheons
- Friday evening banquet
- Business meetings of SDCTM & SDSTA
- SD-AAPT business meeting and Photo Contest
- VENDORS
- Door Prizes



### *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.

Sharing Sessions for both math and science teachers will be held Thursday evening in Rooms Dakota C & G (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.

## 2015 SDCTM/SDSTA JOINT CONFERENCE

### ADVANCE REGISTRATION

Crossroads Events Center, Huron South Dakota  
February 5-7, 2015 1-800-876-5858

Conference information and program  
booklets will be available online at  
[www.sdctm.org](http://www.sdctm.org) and [www.sdsta.org](http://www.sdsta.org)

*Please print clearly. Postmark by January 20, 2015. 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

### 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

*Make checks payable to SDCTM.*

*Purchase orders will NOT be accepted.*

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

**TOTAL ENCLOSED \$ \_\_\_\_\_**

*Requests for refunds must be received by January 20, 2015*

### 4. SEND THIS FORM WITH PAYMENT

**Steve Caron**

**907 South 16<sup>th</sup> Street  
Aberdeen, SD 57401**

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

Email: [steve.caron@k12.sd.us](mailto:steve.caron@k12.sd.us)

*Advance registration must be postmarked by January 20, 2015.  
After this date, please register on-site.*

Please check here if you have also submitted a  
speaker proposal form for the 2015 Conference. ☐