

Welcome to the SDCTM/SDSTA Joint Professional Development Conference Huron Event Center—February 8, 9, and 10, 2018



- Family Math and Literacy Night
- 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, Door Prizes & More !!!

HIGHLIGHTS

- Featured Speakers-See page 2
- Stations to Success
- Breakout!
- Productive Student Talk
- Customized Learning
- Science & Art Activities that Educate and Entertain
- Prepare and run a successful Family Science Night
- Math Potluck
- Research Posters
- STEM Sessions



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 — Robert Pyatt has been the Associate Director, Cytogenetics & Molecular Genetics Labs at Nationwide Children's Hospital and Assistant Professor-Clinical at Ohio State University. Dr. Pyatt has just become the Clinical Molecular Genetics Laboratory Director at Sanford Health in Sioux Falls.

OTHER FEATURED SPEAKERS

Bill Kring - is a teacher. After graduating from Washington State University and earning his MAT from Harvard University, he taught 44 years, 24 at the high school level, 9 at the middle school level, and 11 as trainer and colleague. He taught in classrooms with students K–12 at the Ed Service Dist and students in a teacher education program. He taught students in various achievement situations, from remediation to Advanced Placement Calculus or the International Baccalaureate Program. Known as the “hot-air man”, Bill has spoken at numerous state, regional, and national conferences about using a hot-air (gas) balloon as a model for integer arithmetic. Bill continues to work toward improving mathematics teaching in a variety of settings.



Tricia Shelton - is a H. S. Science Teacher and Teacher Leader with a BS in Biology and MA in Teaching, who has worked for 20 years in Kentucky driven by a passion to help students develop critical and creative thinking skills. As a Professional Learning Facilitator and NGSS Implementation Team Leader, Tricia has worked with educators across the US to develop Best Practices in the classrooms. Tricia's current work is around NGSS and helping STEM students with critical and creative thinking. Shelton has published many articles. Look for sessions she'll be presenting: *Selecting Phenomena to Motivate Student Sense-making*; *How do I Know if this lesson is really 3-Dimensional?*; *Exploring the Science and Engineering Practices*

Lenny VerMaas - loves math and has a lifelong passion to help students enjoy learning mathematics. His whole career has been in Nebraska, teaching 28 years in the middle and high school classrooms and with Educational Service Unit #6. During this time, he has been working with teachers on a wide range of instructional strategies, brain compatible learning, effective use of homework, vocabulary acquisition and student engagement. Sessions he'll be presenting are: *No One is Born With a Math Brain, Everybody's Brain Can Grow to Learn Math*; *Inch Boy*; *Who is Doing the Talking in Your Classroom?* *Homework Strategies for the Math Classroom that Engage Students*; *How Did You Do That? Number Tricks and Algebra*



Barbara Mayes Boustead, Ph.D. - is a meteorologist, climatologist, and instructor with the National Weather Service. A Michigan native, Dr. Boustead has professional and research interests that include historical weather and climate events, severe and extreme weather, and improving teaching and communication of weather and climate concepts. Dr. Boustead is the president of the Laura Ingalls Wilder Legacy and Research Association (<http://beyondbittlehouse.com/>); additionally, she was co-chair of “LauraPalooza 2015: Through Laura’s Eyes” and “LauraPalooza 2017: Little Houses, Mighty Legacy: 150 Years of Laura Ingalls Wilder.” Dr. Boustead writes in her blog, Wilder Weather (http://www.bousteadhill.net/wilder_weather/) in her spare time..

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

2018 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 8-10, 2018 1-800-876-5858

Please print clearly. Postmark by January 20, 2018. 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	Begin/renew SDSTA (science) for one year
_____ Elementary \$5	_____ Elementary \$5
_____ Middle School \$20	_____ Middle School \$20
_____ High School \$20	_____ High School \$20
_____ Post-Secondary \$20	_____ Post-Secondary \$20
_____ Student \$5	_____ Student \$5
_____ Retired \$5	_____ Retired \$5
_____ Other \$20	_____ Other \$20

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

2. CONFERENCE REGISTRATION

On-site (late) registration will be available: additional \$25 cost.

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	Non-Member	Student Member
_____ One day \$50	_____ One day \$100	_____ One day \$15
_____ Two days \$75	_____ Two days \$125	_____ Two days \$25

3. PAYMENT: By Check Only

Make checks payable to SDCTM.

SDCTM does **NOT** accept credit cards or purchase orders.

To use credit card, you must register and pay ONLINE:

1) Membership(s) total	\$ _____
2) Registration	\$ _____
3) Friday Night Banquet (\$25 each)	\$ _____
On-site Late Registration Fee (+\$25)	\$ _____
TOTAL ENCLOSED	\$ _____

Requests for refunds must be received by January 20, 2018

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 questions to: Steve.Caron@k12.sd.us

Advance registration must be postmarked by **January 20, 2018**.
After this date, please register on-site (additional \$25 fee).

Please check here if you have also submitted a speaker proposal form for the 2018 Conference.



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



South Dakota Council of Teachers of Mathematics

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 U. S. Postage
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Teach With
SUPER Powers!

Current Resident or

JOINT PROFESSIONAL DEVELOPMENT CONFERENCE

26th Annual
 26th Annual




SOUTH DAKOTA SCIENCE TEACHERS ASSOCIATION
South Dakota Council of Teachers of Mathematics
February 8, 9, and 10, 2018

HURON EVENTS CENTER
Huron, SD