



Wahpe Woyaka pi

(Talking Leaf)

South Dakota Council Teachers of Mathematics Newsletter

Presidential Ponderings

The 21th annual SDCTM/SDSTA joint conference is fast approaching. It will held in Huron February 7-9. There are over 100 sessions scheduled covering a variety of topics and grade levels. The conference is a valuable tool for all teachers, from “rookies” to “seasoned veterans”. The conference sessions are always instructive and helpful for the classroom, but the interactions with other professionals are just as instructive and helpful. I encourage you to invite your colleagues and other teachers to attend the conference.

The math featured speakers include Martha Hildebrandt PH.D., Assistant Professor – Chatham University, Pittsburg, PA. Dr. Hildebrandt has a wide background in Mathematics Education. She has been a Mathematics Consultant grades K-6 and Middle School Department Chairman as well as having taught mathematics at the middle school, high school and college levels. She is a frequent speaker at teacher in-service workshops and is active in Carnegie Mellon University's C-MITES program where she conducts classes for gifted elementary students as well as area teachers. Additionally, she is a seminar leader for Pittsburgh Teachers' Institute. She currently teaches in both the Education and Mathematics Departments at Chatham. I had the opportunity to attend one of her sessions at the NCTM national conference in Philadelphia last spring. She is a tremendous speaker and will provide materials and instruction that you can use immediately in your classroom.

The other math featured speaker is Ron Lancaster from Toronto, Canada. Ron taught middle and high school mathematics for over 20 years and is now a Senior Lecturer in Mathematics Education at Ontario Institute for Studies in Education of the University of Toronto. Additionally Ron works as a mathematics consultant for international, private & public schools, educational organizations, and technology companies. Ron sees mathematics everywhere and never leaves home without his pair of math glasses and camera so that he is always ready to snap photos of numbers, patterns, shapes, solids, curves and shadows. Throughout his career Ron has made connections between the mathematics curriculum and daily life in an effort to help students appreciate and enjoy mathematics. Ron has been a presenter at hundreds of conferences both nationally and internationally. Ron created two columns (Media Clips and the Mathematical Lens) for the Mathematics Teacher published by the NCTM. Ron edited Media Clips for three years and continues to edit the Mathematical Lens. Both columns have a huge following with readers.

The conference will begin Thursday evening with a math sharing session. Bring 30 copies of your favorite math activity to share with your colleagues. You are welcome to attend the sharing session even if you don't have any activities to share. It's always enjoyable to hear what other teachers are doing in their classrooms.

The annual SDCTM business meeting is scheduled for Friday afternoon at 4:30. According to the constitution, the purpose of SDCTM “shall be to encourage and maintain an active interest in and appreciation of mathematics, promote growth, to provide a forum for exchange of the views regarding the teaching of mathematics, and to promote cooperative study of mathematics education at all levels.”



WINTER 2012-2013

Wahpe Woyaka pi

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Calendar Notes:

- *Daniel Swets Robotics & Kelly Lane Earth & Space Applications due January 24, 2013*
- *SDCTM/SDSTA Conference February 7-9, 2013*
- *PAEMST Applications Due May 1, 2013*

continued



“If you have any items of business that should be on the meeting agenda, please send me an email by Friday, January 25”

Presidential Ponderings, *continued*

The executive board is always interested in considering ideas that will help our organization fulfill its purpose. Please plan to attend the business meeting and participate in the discussions. Meeting agenda items include election of officers and a vote on changes to the constitution. If you have any items of business that should be on the meeting agenda, please send me an email by Friday, January 25.

On another note, Common Core State Standards continue to be a topic of discussion. Much of the discussion has switched from the standards themselves to the assessment. The Smarter Balanced consortium is busy constructing the summative assessment and several states, including South Dakota, are busy writing test questions to be used as formative assessment. The SD Department of Education is taking the lead on this project and should be commended for their leadership role.

I wish you the best for this New Year and hope to see you in Huron.

Jay Berglund
SDCTM President
jay.berglund@k12.sd.us



Share the Classroom Treasures

“Sharing” the treasures has been quite popular at the SDCTM/SDSTA Conference. As you sort through your treasures and organize your life....don’t forget about the conference. Start a “save it for the conference” box and plan to bring all your “extras” to the *Share the Classroom Treasures*.



PLEASE - No Textbooks or broken/non-working equipment. Although it may feel like yours, make sure it is. If it's marked School Property, please leave it in school.



Nominations for 2013 PAEMST

We're looking for outstanding 7-12 math teachers for the 2013 Presidential Awards for Excellence in Mathematics and Science Teaching-the nation's highest honor for mathematics teachers.

The Presidential Awards for Excellence in Mathematics Teaching Program was established in 1983 by the White House and is sponsored by the National Science Foundation. The program identifies outstanding mathematics and science teacher for Kindergarten through 12th grade, in the 50 states and four U.S. jurisdictions. The teachers serve as models for their colleagues and as leaders in the improvement of science and mathematics education.

Seven-twelve (7-12) math teachers are eligible to apply for the 2013 program cycle. Anyone (principals, teachers, students, and other members of the general public) may nominate a teacher. Nomination forms are available on line through a link at www.sdctm.org. Submit your nomination as soon as possible. Teacher's completed applications for the 2013 awards must be filed on line by May 1, 2013.

For more information, including nomination and application forms, please visit www.nsf.gov/pa or www.sdctm.org and click on the awards link.



Share the Wealth

I like to include activities in each newsletter (there are three in this issue). I know that we have some of the world's best math teachers teaching in the state...and some of the most generous. However, I've come to realize that we are also some of the most modest. You never think what you are doing is "good enough" to include in the newsletter. Let me assure you that it is! If it works for your students, I know that at least one other teacher would find it helpful as well. I challenge you each to submit at least one activity...no matter how small or how large. You can include pictures of your students (and you if you'd like). Past submissions have sometimes included a student worksheet, others have not. It can be as simple or as complex as you are comfortable with. Sometimes, a simple idea (no handouts, pictures etc) can be like a gold mine to the teacher that is looking for just the right thing.

Send submissions to: smcquade2@sfcss.org



Diana McCann

SD PAEMST Math

Coordinator

diana@thecoganhouse.com



“It explains, in layman’s terms, the importance of having students formulate their own strategies, as well as the shift away from simply memorizing, to constructing meaning and learning from memory .”

K-5 Corner

“Common Core State Standards”. These four words tend to evoke some strong emotions in us teachers! They have become a bit of a “buzz word” in education, haven’t they? How has implementation been going in your classroom? I am sure I am not alone in saying it has been a rough, but rewarding road! To make life a little easier, I would like to share a resource for implementation and collaboration. Last year, teachers from around South Dakota met to disaggregate the ELA and Math standards. Their work can be found at this website: sdccteachers.k12.sd.us On the homepage, you’ll find a section of Disaggregated Standards, and a section of Suggested Blueprints. Under the Disaggregated Standards, you will discover all the standards for your grade level in ELA and in Math. Each standard is aligned to the standard from the previous and following grade levels; there is also a summary of each standard, “I Can” statements, and essential vocabulary. These are being finalized and will soon be arranged neatly by grade level on the DSTEP website as well. There is already a link to them on the site. Under the Suggested Blueprints section, you will again find all standards for your grade level (as a pdf, or Word document), instructional focuses aligned with Math Content and Practice Standards, and examples of exemplar lessons! This site is a valuable tool for all of us, and I encourage you to take full advantage of the work of your fellow SD teachers!

One resource I have found to be extremely helpful in getting parents to “see” the shift in math instructional practices is a book called Old Dogs, New Math: Homework Help for Puzzled Parents, by Mike Askew and Rob Eastaway. My building ordered two copies and I’ve been checking them out to parents. It explains, in layman’s terms, the importance of having students formulate their own strategies, as well as the shift away from simply memorizing, to constructing meaning and learning from memory! I even read it to my husband so he could help our daughters with their homework!

I also want to put in a plug for the South Dakota Council of Teachers of Mathematics Conference in Huron, February 7-9! There promises to be a wealth of great presenters, featured speakers, and vendors! Check out their website at www.sdctm.org It is also worth noting that there is graduate credit available through DWU, and you can register for credit on-site. This conference is open to all educators, elementary, secondary, and Special Education! We all have something to learn and share! I hope to see you there!!

Geekfully Yours,

Lori Stverak
SDCTM Elementary Liaison
4th Grade Teacher
Robert Frost Elementary
Sioux Falls
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6-8 Highlights

Are you looking for resources on the Common Core State Standards? Are you concerned about how your students will do when the new assessment comes? Inside Mathematics has numerous assessment tasks and problems that are aligned to the CCSS.

In addition, Inside Mathematics provides many resources for educators – demonstration lessons, reflections on mathematical practice, and mathematics teaching and learning tools. This link takes you to the Common Core State Standards for Mathematical Content section. You can explore materials and tasks that you can use immediately with your students. Search for tasks or problems by grade level standards (grade 2 through high school) or by mathematical progressions. Assessment tasks include alignment to CCSS Content and Practice standards, rubrics, and samples of student work. Problems of the month include descriptions for different levels as well as alignment to CCSS.

<http://insidemathematics.org/index.php/mathematical-content-standards>

Do you need something for students to work on when they finish early? Do you need activities to challenge your top students? The two sites listed below may be just what you're looking for!

[Puzzle Baron Presents Logic Puzzles](#) – This site has more than 10,000 logic puzzles. Students can read clues and record them on the provided grid. There's also a place to make notes. The site includes information on how to use the grid as well as video tutorials for those who are new to logic puzzles. One feature that makes these puzzles accessible to all students is the "?" tab. Students can request a hint and they will receive another clue, plus they'll be told what mistakes, if any, are on their current grid. There is also a link to Printable Puzzles, described below.

<http://www.logic-puzzles.org/index.php>

[Printable Puzzles](#) – Puzzle Baron has made print-quality versions of several types of puzzles (both word and number), that you can download and print. New puzzles are added each day and each one has a Puzzle ID so students can go online, enter the Puzzle ID, and get hints and/or solutions to that puzzle.

<http://www.printable-puzzles.com/>

Becky Umenthum
SDCTM Middle School Liaison
Math Teacher Leader
South Park Elementary
Rapid City
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“...the Common Core and Smarter Balance assessments... (have) dominated much of the discussions at the university level as well. I know that we are working harder than ever on trying to improve our remedial and entry level math courses.”

Higher Ed Viewpoint

Greetings from the balmy southeastern side of the state

First of all I would like to report that we have only had one 3” snowfall that melted on all the concrete and blacktops as it was coming down so I have yet to use a snow shovel or blower. Sorry to those of you up north.

I can’t believe another semester is already over and that we will soon be ascending on the frozen tundra of Huron for the joint meetings. I do not pretend to know what the major topic of discussion is at the high schools these days, but I am assuming that a large part of the conversations has to do with the Common Core and Smarter Balance assessments. That has dominated much of the discussions at the university level as well. I know that we are working harder than ever on trying to improve our remedial and entry level math courses to help students be successful in college. I know we will be working closer with you in the months ahead as the testing begins and we make important decisions on how to meet the students where they are at as far as remediation or college level mathematics during their senior year.

I would like to pass on some information that you may have received elsewhere but if not, please feel free to provide input. The first bit of information is on the ALD’s (Achievement Level Descriptors) from Smarter Balance. You can view them at the website below and provide feedback.

<http://www.smarterbalanced.org/achievement-level-descriptors-and-college-readiness/>

I know the universities will be holding focus groups the week of January 7-11 at the various campuses and university centers on this topic. When a list of all the dates and times have been finalized, I am sure they will be posted on the BOR or DOE website. I know they wish to limit the number of participants at each meeting so if you want to attend one, please let me know ASAP and I’ll see what I can do to get you in one near you.

I don’t know about you, but when I look at the sample assessments from Smarter Balance on the following website, <http://www.smarterbalanced.org/sample-items-and-performance-tasks/> I have a mixed reaction. For one I am encouraged that our students will be better problem solvers if they can accomplish these types of problems. However, I am also a bit worried that we will have more students not making the bar.

I was also asked to pass the following math placement information along. I realize one date is already past, but hopefully those interested can catch the last webinar. It is also advertised for high school counselors but I think math teachers could benefit from it as well.

The South Dakota Department of Education will be hosting two webinars about the new online remedial coursework program available to students through the South Dakota Virtual School on December 13, 2012, and January 10, 2013, from 10am—11am (CT). This webinar is intended for high school counselors who are



Higher Ed Viewpoint *continued*

are interested in learning more about this new program and to answer any questions you might have about students completing the coursework.

When are the online sessions?

- December 13, 2012: 10:00 AM-11:00 AM (Central Time)
- January 10, 2013: 10:00 AM-11:00 AM (Central Time)

How do I register?

Interested participants should register online by clicking [here](#). Additional information about the webinar will be emailed to registered participants closer to the webinar date.

Questions or comments?

If you have any additional questions about the webinars, please contact Erin Larsen at the South Dakota Department of Education at 605.773.2533 or via email at Erin.Larsen@state.sd.us.

Students wishing to challenge their math placement based on the ACT Math subscore can also use ACCUPLACER as a valid challenge should they be able to score high enough after taking the MyFoundationsLab course.

Here is a link to the BOR cut scores for both the COMPASS and Accuplacer exams: http://www.sdbor.edu/services/academics/AAC/documents/Placement_Guidelines-Revised_06-2012.pdf The specific scores can be found beginning on page 6.

Sorry for the information overload in this letter. I look forward to seeing you all in Huron in February. Until then, I wish you all a very Merry Christmas and many blessings to come in the New Year.

Dan Van Peurseem

SDCTM Liaison to Higher Education
Associate Professor and Dept. Chair
The University of South Dakota

Classy T-Shirt Day

When you pack for the conference this year, don't forget your favorite ~~Nerdy~~ Classy T-shirt! We will all be sporting them on Saturday as we embrace our Math and Science Nerdiness!



“If you have any additional questions about the webinars, please contact Erin Larsen at the South Dakota Department of Education at 605.773.2533 or via email at Erin.Larsen@state.sd.us

*~~Nerdy~~ Classy
T-Shirt Day
Saturday,
9 February, 2013!*



*“Applications must
be received by
Jan. 24, 2013.”*

Daniel Swets Robotics Materials Award

The NASA South Dakota Space Grant Consortium <<http://sd.spacegrant.org>> invites applications for the 2013 “Daniel Swets Robotics Materials Award”. We anticipate providing \$5,000 in award funding in addition to an 8-pack of LEGO MINDSTORMS Education NXT Base Sets with software and site license (\$2,502 value) graciously provided by LEGO Education North America in the name of Dr. Swets. Eligibility to apply is limited to teachers/educators who have taken robotics training through the NASA South Dakota Space Grant Consortium, or who have sustained robotics programs/curriculum in their classrooms or at their schools. The application and instructions are online in both Word and PDF formats at the following websites. This is a great opportunity if you are a teacher of robotics. Applications must be received by **Jan. 24, 2013**.

Application and Instructions downloadable in **Word** format
<http://sdspacegrant.sdsmt.edu/RoboticsMaterialsAwardAppFY2012.doc>

Application and Instructions in **PDF** format
<http://sdspacegrant.sdsmt.edu/RoboticsMaterialsAwardAppFY2012.pdf>

Kelly Lane Earth and Space Science Grant

Science and math teachers at public, private, or tribal schools in South Dakota may now apply for the 7th annual “Kelly Lane Earth and Space Science Grant” provided by the NASA South Dakota Space Grant Consortium. This \$5,000 grant is awarded annually to a select science or math teacher in South Dakota. The award seeks to improve science, technology, engineering, and mathematics (STEM) education in the state through the support of innovative programs in pre-college education. **The application announcement for the 2013 grant is available at the website below.** Preference will be given to applications focusing on topics pertaining to space science, earth science, and/or the use geospatial technology.

*“Applications must
be received by
Jan. 24, 2013.”*

Applications must be received by **January 24, 2013**. Submission instructions are given in the application announcement. The winner will be announced at the science and math teacher’s joint conference in Huron on February 8, 2012.

<http://sdspacegrant.sdsmt.edu/KellyLaneTeacherGrant.htm>

We encourage your applications!

Thomas V. Durkin, CPG
Deputy Director
South Dakota Space Grant Consortium
SD School of Mines & Technology
501 E. Saint Joseph Street
Rapid City, SD 57701

Phone: (605) 394-1975
Fax: (605) 394-5360
Email: Thomas.Durkin@sdsmt.edu
Website: <http://sd.spacegrant.org>



Fundraising Alternative

Many schools sell cookie dough and wrapping paper to raise money. However, those programs:

- * take a lot of time and work
- * do not reach grandparents, graduates, and other potential supporters who are scattered across the country
- * are not tax-deductible
- * are not matched by the 16,000 businesses that match employees' donations
- * generate more money for the cookie dough and wrapping paper companies than they do for the schools

ClassWish.org<<http://ClassWish.org>>, a 501(c)(3) nonprofit, provides an easy and efficient solution:

- * Teachers visit the site to create wish lists
- * Visitors see exactly what is needed and make tax-deductible donations to help
- * Many businesses match employees' donations, which can double their funding
- * We ship the materials directly to the school

The results? Kids and teachers get the support they need.

Please let me know if I can answer any questions or be of any assistance.

Thank you very much for your time and consideration! We look forward to sending science equipment to South Dakota schools.

Very best wishes,
Laura

Laura F. Mouysset
<http://ClassWish.org>

Math Trivia

Students often ask why...and sometimes we can answer the questions rather easily. Other times...it's not so easy. Students often ask me why we use the letter *m* to represent slope. I read recently that we use the letter *m* because in French, the verb "monter" means "to climb". René DesCartes was French, so he naturally used letters that represented the applicable French words.

"We ship materials directly to the school."

Do your students watch TV? Do they want to talk about it in class? How about the commercials?

Sometimes the commercials are more entertaining than the programs!
DIRECTV and Toshiba have recently provided us with delightful material for Geometry!



After a decade-long absence from South Dakota's math standards, proofs are coming back. The Common Core Standards (CCSS) bring increased emphasis on proofs and deductive reasoning. Consequently, getting students ready for proof requires renewed attention.

The Law of Syllogism is a form of deductive reasoning that allows us to draw conclusions from two true conditional statements when the conclusion of one statement is the hypothesis of the other.

If $p \rightarrow q$ and $q \rightarrow r$ are true statements, then $p \rightarrow r$ is a true statement.

All of our students are familiar with the DIRECTV commercials such as "Don't sell your hair to a wig shop" and "Don't wake up in a roadside ditch" which are outlandish chains of consequences mirroring the Law of Syllogism. Many students can even recite them from memory. Simply google "DIRECTV commercial" and you will find many examples posted on youtube. Toshiba also has a great commercial called "Zombies: the ramifications of yes" which can be found by googling "Toshiba commercial". They are very short -under a minute- but provide great examples of the chain of reasoning that geometry teachers call the Law of Syllogism.

These hilarious commercials provide an entry point to the Law of Syllogism that is very accessible to students. Discuss the commercials as examples of a chain of reasoning. The conclusion of each statement becomes the hypothesis for the next. Following the links, we can connect the first and last statements into a chain of causality. (See figure 1) These examples provide a much more engaging explanation than the textbook definition quoted above.

For assessment, students create their own commercial similar to the DIRECTV and Toshiba examples. Working in pairs or groups, students create and illustrate their own commercials. (See figure 2) Most students have access to a digital camera or cell phone camera. Alternatives could include clip art or images from the internet. As video editing software becomes more ubiquitous, students could choose to produce a movie.

Student Assignment: Create your own syllogism commercial.

1. Include at least 8 conditional statements in a chain of reasoning.
2. Statements may be written or narrated, but must appear in the commercial.
3. Each statement should have an illustration. (photo, video, clip art or drawing)

4. Choose one of the following formats for your project:
 - video
 - PowerPoint
 - story board
5. Specify the ultimate conclusion (connect the chain).
6. The entire project must be G-rated.
7. Turn in your project (video or PowerPoint) in electronic form.
8. Provide a printed script of your chain of reasoning.

Common Core Standards for School Mathematics:

G.CO.9 Prove geometric theorems

The rules of reasoning are meant to formalize the way we intuitively draw conclusions every day. One purpose of formalizing arguments is to help us write proofs when we may not have an intuition about a question or problem

Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them
Mathematically proficient students start by explaining to themselves the meaning of a problem and looking for entry points to its solution
2. Reason abstractly and quantitatively
Mathematically proficient students are able to abstract a given situation and represent it symbolically
3. Construct viable arguments and critique the reasoning of others
Mathematically proficient students justify their conclusions, communicate them to others, and respond to the arguments of others.
7. Look for and make use of structure
Proficient students look closely to discern a pattern or structure. They look for, develop, and generalize relationships and patterns

Links

Don't sell your hair to a wig shop <http://www.youtube.com/watch?v=CCuPyLeDzng>
Don't wake up in a roadside ditch <http://www.youtube.com/watch?v=7udQSHWpL88>
Zombies: the ramifications of yes <http://www.youtube.com/watch?v=9JyN6Obi7eI>
Common Core Standards <http://www.corestandards.org/the-standards/mathematics/>
Eight Standards for Mathematical Practice
<http://www.corestandards.org/the-standards/mathematics/introduction/standards-for-mathematical-practice/>

Email cindy.kroon@k12.sd.us if you would like a copy of the smartnotebook file (for SmartBoard) of this lesson plan. Thanks to Brad Andera (Aberdeen HS) for inspiring this project.

Cindy Kroon
Montrose High School
cindy.kroon@k12.sd.us

Figure 1

Deductive Reasoning

Vocabulary:
Conditional Statement
Hypothesis
Conclusion
Law of Syllogism



Direct TV: Don't Sell Your Hair to a Wig Shop

<http://www.youtube.com/watch?v=CCuPyLeDzng>

Arrange the statements to form a valid chain of reasoning.

When you go to Vegas, you lose everything.

When you feel like a winner, you go to Vegas.

When you have cable and can't find anything good on TV, you get depressed.

When you get depressed, you attend seminars.

When you lose everything, you sell your hair to a wig shop.

When you attend seminars, you feel like a winner.

What is the ultimate conclusion?

Figure 2



Toshiba: The Ramifications of Yes

<http://www.youtube.com/watch?v=9JyN6Obi7eI>

Create your own syllogism commercial.

Include at least 8 conditional statements.

Each statement should have an illustration (photo, video or drawing).

Specify the ultimate conclusion (connect the chain).

Choose one of the following formats:

- video
- powerpoint
- story board

The entire project must be G-rated.

Turn in your project in electronic form.

Provide a printed script of your chain of reasoning

2013 SDCTM/SDSTA JOINT CONFERENCE

Crossroads Events Center, Huron South Dakota
February 7-9, 2013 1-800-876-5858

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

ADVANCE REGISTRATION --

Please print clearly. Postmark by January 20, 2013. After this date, please register on-site.

Name _____
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

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	Non-Member	Student Member
One day \$50	One day \$100	One day \$15
Two days \$75	Two days \$125	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, 2013

4. SEND THIS FORM WITH PAYMENT

Steve Caron
907 South 16th Street School phone (605) 725-8208
Aberdeen, SD 57401 Home phone (605) 226-2292

Email: steve.caron@k12.sd.us

Advance registration must be postmarked by January 20, 2013.
After this date, please register on-site.

Please check here if you have also submitted a speaker proposal form for the 2013 Conference.

“GOEHRING/VGKTZ LEADERSHIP SCHOLARSHIP”

“The Goehring/Vgktz Leadership Scholarship” has been established to encourage new teachers of math and science to become professionally involved on the state level. The scholarship, which is good for a free one or two day registration at the Joint Conference of the South Dakota Council of Teachers of Mathematics and the South Dakota Science Teachers Association, is available to any teacher who meets each of the following criteria:

- Is a K-12 teacher of math or science who is in the first year of teaching in SD
- Is a member of SDCTM and/or SDSTA Applicants must pay their own dues to the chosen organization.

The application process is simple. Fill out the form below, have it signed by the building principal, and mail it to Steve Caron along with the regular conference registration form which is available at www.sdctm.org.

APPLICATION
“GOEHRING/VGKTZ LEADERSHIP SCHOLARSHIP”

Name:

School District:

Teaching Assignment:

Membership Information:

_____ I am already a member of SDCTM SDSTA (Circle one or both)

_____ I am joining SDCTM and/or SDSTA (Circle one or both)

I am enclosing a check for

_____ \$5.00 for Elementary Math and/or \$5.00 for Elementary Science

_____ \$20.00 for MS/HS Math and/or \$10.00 for MS/HS Science

(Name) _____ is in his/her first year of teaching in SD at _____ School District during the _____ school year and is thus eligible for ‘The Goehring/Vgktz Leadership Scholarship.’”

Signed: _____, Building Principal



Print a copy of this form. Mail with check payable to SDCTM to:

Diana McCann
31133 Bon Homme Road
Tabor, SD 57063

Name _____

School Name _____

Subjects or Grades Taught _____

Addresses

Home _____

School _____

Mailing Address: _____ Home _____ School

Home Phone _____

School Phone _____

Fax Number _____

E-mail _____

Membership categories (Check only one)

- _____ Elementary School \$5.00
- _____ Middle School / Junior High \$20.00
- _____ High School \$20.00
- _____ Post Secondary \$20.00
- _____ Retired \$5.00
- _____ Student \$5.00
- _____ Other \$20.00



SDCTM Newsletter
C/o Sheila McQuade
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