Joint Conference
South Dakota Science Teachers Association
South Dakota Council of Teachers of Mathematics

February 3, 4, & 5, 2011
Crossroads Convention Center
Huron, SD

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Graduate Credit is available through DWU-Mitchell.

Next year’s conference will be February 2, 3, & 4, 2012.
BANQUET SPEAKER—Paul Kuhlman

Paul Kuhlman has taught high school science and math at Avon, South Dakota for 18 years. Previously he taught science at Hosmer and Waubay. He graduated with a B.S degree in Biology Education from North Dakota State University and holds a Master Degrees in Secondary Administration as well as Natural Science both from the University of South Dakota. Paul has worked as a consultant for the SD Department of Education, a judge for “Wal-Mart’s Earth Day Every Day School Challenge” and has worked on a variety of projects for the University of South Dakota’s School of Education. He has been recognized several times for his teaching including the 2006 American Chemical Society’s Midwest Region Award for Excellence in High School Chemical Education, the 2008 SD Outstanding Physical Science Teacher, and the 2009 SD Teacher of Year. Paul and his wife Benita, a 1st grade teacher, make their home in Avon.

OTHER FEATURED SPEAKERS

Mariann Dolnick is a fifth grade teacher at Pickett’s Mill Elementary in Acworth, Georgia. Mariann has 27 years of teaching experience in grades 4 through 8. She holds a BA in Elementary Education from Mercyhurst University in Erie, PA and a Masters in Early Childhood Education from Kennesaw State University in Kennesaw, Georgia. Her specialty is working with at risk students in Georgia’s Early Intervention Program. Mariann will present ideas for creating an interdisciplinary unit that will excite and motivate your students. Although she grew up in Pennsylvania and has spent her adult life in Georgia, Mariann traces her roots back to SD where she was born in Brookings.

Peggy Norris is the Deputy Director for Education and Outreach at Sanford Underground Laboratory at Homestake. Peggy grew up in West Texas, attended Rice University in Houston (B.A. in physics and chemistry) and Columbia University in New York (M.A. and PhD in chemical physics) and then moved to northern California. She spent 25 years at Lawrence Berkeley National Lab in California as a research scientist specializing in nuclear and accelerator physics, with a strong side interest in physics education. In 2009 she relocated to Lead, South Dakota to help realize the vision for the Sanford Center for Science Education at DUSEL, and is greatly enjoying her role in translating the science of DUSEL to educators and students across the state.

Julie Nurnberger-Haag has been a mathematics educator for fifteen years and is certified to teach 6th-12th grade mathematics as well as K-12 learning disabilities. While teaching 7th-12th grade mathematics, she developed methods for teaching math with movement in order to help her students learn more difficult topics in ways that would make sense to them. Julie has shared these ideas with teachers at regional, state, and national conferences as well as through articles in Mathematics Teaching in the Middle School and The Mathematics Teacher. Julie has also taught mathematics for elementary teachers and other collegiate math courses. More recently she has facilitated teacher professional development of math and science at the Northwest Ohio Center of Excellence in Science and Mathematics Education, the National Science Foundation GK-12 PRISM program, and as a consultant with local schools. Julie is currently pursuing a Ph.D. at Michigan State University in order to become a professor, with the goal of teaching future teachers and conducting research to discover in what ways and for what topics representing mathematics through movement helps students learn.

Ed Sobey created the Northwest Invention Center to serve schools and museums with hands-on programs and exhibits, and to help inventors. Ed directed museums for nearly twenty years, served as the first director of the National Inventors Hall of Fame in Akron, Ohio and founded the National Toy Hall of Fame at A. C. Gilbert’s Discovery Village in Salem, Oregon. He also directed the South Florida Science Museum, the Museum of Science & History in Jacksonville, and the Fresno Metropolitan Museum. Ed taught museum management at the University of Washington and was elected President of the Ohio Museums Association. In addition to directing museums, Ed created and hosted a television show on inventing (“The Idea Factory,” KFSN-ABC) and co-hosted a science series (“Blow the Roof Off”) for the Ohio Public Broadcast Network. He has written fifteen books on subjects from backpacking to robots and kids science projects. At California State University, Fresno, Ed worked with Professor Tim Stearns to launch Kids Invent Toys. He holds a Ph.D. in oceanography from Oregon State University. He is a Fellow of the Explorers Club and serves as the Chairman of the Pacific Northwest Chapter.
2011 Spring Conference
South Dakota Science Teachers Association
South Dakota Council of Teachers of Mathematics

The meeting rooms for all sessions are in
The Crossroads Hotel/Huron Events Center

Program
Thursday, February 3, 2011

7:00 PM - 9:00 PM Evening Sessions (See Program)

Friday, February 4, 2011

7:00 AM - 4:20 PM Registration Open Pre-Function Area
8:00 AM - 5:00 PM Exhibits Open Pre-Function Area
8:30 AM - 11:20 AM Morning Sessions (See Program)
11:45 AM - 1:10 PM Friday Luncheon (included in registration fee) Prairie Ballrooms
1:30 PM - 4:20 PM Afternoon Sessions (See Program)
4:30 PM SDCTM Business Meeting Dakota C
SDSTA Business Meeting Dakota G
6:30 PM Friday Evening Banquet Prairie A, B, C
(Cost is $20)

Saturday, February 5, 2011

7:00 AM - 11:20 AM Registration Open Pre-Function Area
7:00 AM - 8:00 AM Breakfast Meeting Salon
Presidential Awardees (Past & Present)
8:30 AM - 11:20 AM Morning Sessions (See Program)
12:00 Noon - 1:00 PM Saturday Luncheon (included in registration fee) Prairie A, B, C
1:00 PM - 3:50 PM Afternoon Sessions (See Program)
4:00 PM Joint SDCTM & SDSTA Executive Board Meeting Boardroom
### Thursday

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Grade Level</th>
<th>Facilitator</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:00-9:00 pm</td>
<td>1</td>
<td>All</td>
<td>Cindy Kroon</td>
<td>Dakota C</td>
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<tr>
<td>Grade Level:</td>
<td></td>
<td></td>
<td>SDCTM President</td>
<td>Feb. 3, 2011</td>
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**Math Sharing Session**
Sharing lessons and activities will be the focus of this session. Bring 25 copies of your favorite activity or lesson. Or just come!

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<tbody>
<tr>
<td>7:00-9:00 pm</td>
<td>2</td>
<td>All</td>
<td>Brenda Murphey</td>
<td>Dakota G</td>
</tr>
<tr>
<td>Grade Level:</td>
<td></td>
<td></td>
<td>SDSTA President-elect</td>
<td>Feb. 3, 2011</td>
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**Science Sharing Session**
Sharing lessons and activities will be the focus of this session. Bring 25 copies of your favorite activity or lesson. Or just come!

### Friday

<table>
<thead>
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<th>Location</th>
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<tbody>
<tr>
<td>8:30-10:20 am</td>
<td>3</td>
<td>6-12+</td>
<td>Ed Sobey</td>
<td>Prairie C</td>
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<tr>
<td>Grade Level:</td>
<td></td>
<td></td>
<td>Northwest Invention Center</td>
<td>Feb. 4, 2011</td>
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**Electric Motor Science & Math**
Get revved up to use inexpensive electric motors in your classroom. Yes, it is safe and easy, and it gets immediate student buy in. You can teach a broad swath of physical science content by having kids make models that engage their interest. Zoom! Zoom!

**Featured Speaker**
**Ed Sobey**
Northwest Invention Center
Redmond, Washington

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**Do you have a banquet ticket?**

**The speaker is Paul Kuhlman,**
**2009 SD Teacher of the Year.**
Friday

8:30-9:20 am
Dakota A
Feb. 4, 2011
Exhibitor:
Speaker: Nola Redmond
Connecting Point

Are you ready to take your Promethean Flipcharts to a higher level? Learn about creating Flipcharts with your own sound recordings as part of the pages. Learn how to engage your students in recording their own poems and stories. The possibilities are endless! Come and see for yourself.

8:30-9:20 am
Dakota B
Feb. 4, 2011
Grade Level: 3-12+
Speaker: Dave Martin
Cheyenne-Eagle Butte High School

Smartboard Games to Engage Students
Smartboards provide an engaging tool to involve students in activities to review and reinforce key math concepts. Come to explore, share, and get involved with SmartBoards.

Next Year’s Conference is
February 2, 3, and 4, 2012!

Friday

8:30-9:20 am
Dakota C
Feb. 4, 2011
Repeat of #97
Grade Level: 9-12+
Speaker: Kelly Riedell
Brookings High School

Hands on Biology Activities
Experience a variety of role plays, labs, games, and other hands on learning activities which can be used to introduce new concepts, reinforce understanding, and enhance student performance for all students in your classroom. Participants will take home a CD with instructions and handouts in classroom-ready form.

8:30-9:20 am
Dakota D
Feb. 4, 2011
Grade Level: 9-12+
Facilitator: Matthew Miller
SDSU

Expectations of universities in SD for the skill level of incoming students in biology and chemistry
This one hour panel session is one of two offered to discuss the skills that South Dakota higher education institutions expect high school students to already know when they enter that institution. This session focuses on biology and chemistry; the other one will focus on mathematics and physics. All teachers are welcome to attend either session.
Green Schools and Project Learning Tree

Green Schools! Provides a blueprint for educators, students, school board members, parents and interested community members to teach, learn, and engage together in creating a more green and healthy learning environment at their school. It combines environmental education, service learning and leadership opportunities for students to help turn their school into a model green school.

Using GeoGebra in the Trigonometry Classroom

GeoGebra is downloadable or web-accessed freeware that allows users to graph, analyze, and manipulate algebraic and trigonometric functions (among other mathematical uses)--essentially a quick function grapher, with a spreadsheet view of values if desired. This presentation will introduce basic GeoGebra graphing techniques and manipulations for a high school trigonometry course. (See GeoGebra.org to get started.)
Friday 9:30 am

9:30-10:20 am  
Session: 11  
Prairie A  
Feb. 4, 2011  
Grade Level: 6-12+

Featured Speaker  
Julie Nurnberger-Haag  
Michigan State University  

Math on the Move:  
Integer Operations  
Come prepared to move! Understanding and operating on integers is a topic that children experience initially in upper elementary school and continues to be a challenge for students when they use integers even in advanced algebra. I will share a multisensory unit for operations on integers that students across the country have found helpful.

Banquet tickets are available until Noon today.

The speaker is Paul Kuhlman, 2009 SD Teacher of the Year.

Remember the banquet starts at 6:30 pm.

Friday 9:30 am

9:30-10:20 am  
Session: 12  
Prairie B  
Feb. 4, 2011  
Repeat #76  
Grade Level: All

Featured Speaker  
Margaret (Peggy) Norris  
Sanford Underground Lab/BHSU  

The Vision for the Sanford Center for Science Education at DUSEL  
The Sanford Center for Science Education will be the public face of the DUSEL laboratory. Plans are underway for the design of the facility and its programming, which includes exhibits, onsite interactive exhibits and opportunities to experience authentic science, offsite programs and opportunities to experience authentic science, and virtual programming. Preliminary plans in all these areas will be discussed.

9:30-10:20 am  
Session: 13  
Dakota A  
Feb. 4, 2011  
Grade Level: 9-12+

Speaker: Kristi Lutgen  
Deubrook Area Schools  

Students Watch Lectures--At Home  
Students absent? Teacher absent? No problem! Class can go on as scheduled. Using ActivInspire and Camtasia software I produce a video of my lectures for the students to watch. I will show what I have done in my Advanced Algebra class to
reduce frustration over homework. Come and see if this would work for you.

Friday 9:30 am

9:30-10:20 am  Session: 14  Feb. 4, 2011
Dakota B  Repeat of #70
Grade Level: 3-8

**Featured Speaker**

Marianne Dolnick
Picket's Mill Elementary
Acworth, Georgia

**Mush ON!**
Learn how to create an interdisciplinary unit implementing The Last Great Race on Earth: The Iditarod. Lots of ideas you can use for this year's race March 5! Then join us for a snack later today working with fractions, decimals, and percents in our companion session, Munchies on the Iditarod Trail.

9:30-11:20 am  Session: 15  Feb. 4, 2011
Dakota C  Repeat of #80
Grade Level: 3-12+

**Speaker:**  Elizabeth A. McMillan
Flandreau Middle School

**HIGHS & LOWS of Weather**
Learn modules from Project Atmosphere: tracking tornadoes & high and low pressure fronts. Discover wonderful weather websites - be the first to know what's coming. Learn about opportunities to travel to Kansas City, Maryland, or earn Graduate Credit all for free through Project Atmosphere and Project DataStreme.

Friday 9:30 am

9:30-11:20 am  Session: 16  Feb. 4, 2011
Dakota D  2 hours
Grade Level: 9-12+

**Speaker:**  Steven Shaffer
EMC Insurance Companies

**School Chemical Clean-out (SC3)**
This presentation addresses chemical management and risk reduction strategies for biology and chemistry classrooms. These areas can pose the greatest risk schools and are frequently out of compliance with EPA regulations. Topics include, identification and removal of legacy chemicals, EPA definitions of hazardous waste, and chemical management strategies.

9:30-10:20 am  Session: 17  Feb. 4, 2011
Dakota E  Repeat of #103
Grade Level: 9-12+

**Speaker:**  Sheila E. McQuade
O'Gorman High School

**Hands-on Geometry**
Everyday items can make HS Geometry concepts more "real" to students. I will share some of the activities I use in my classroom to increase student understanding.

Next Year's Conference is
February 2, 3, and 4, 2012!

Friday 9:30 am

9:30-11:20 am  Session: 18
Dakota F  Feb. 4, 2011
2 hours—Repeat of #72

Grade Level:

Speaker:  Dawn E. Ottman  
KidWind/WindSenator

This presentation is designed to help science and math teachers to add renewable energy and energy conservation to their classroom curriculum and help is also offered to aid in the development of classroom workshops in solar and wind energy.

9:30-10:20 am  Session: 19
Dakota G  Feb. 4, 2011
Repeat of #101

Grade Level: 6-12+

Speaker:  Judy A. Vondruska  
SDSU

Imaging and Image Processing with the NASA Micro-observatory
Participants will learn how to use the NASA Micro-observatory to take multiple colored filter images and then post-process the images to create colored gif images. Bring a laptop if you can.

Friday 9:30 am

9:30-10:20 am  Session: 20
Dakota H  Feb. 4, 2011

Grade Level: 6-12+

Speaker:  Christine L. Larson  
SDSU

M2S: Using Algebra Tiles
Algebra Tiles will be used to solve and simplify a variety of problems. These problems will be applied problems with science applications.

9:30-10:20 am  Session: 20.5
Symposium  Feb. 4, 2011

Grade Level: 9-12+

Speaker:  Robin L. Cochran-Dirksen  
Lead-Deadwood HS

Teaching Cell Cycle and Cancer Using Inside Cancer.org
How to use the resources from the DNA Learning Center at Cold Spring Harbor Lab’s InsideCancer.org to teach the mechanisms of cancer.

Please visit our vendors!
Differentiating Daily Math Assignments
This presentation will show how pre-testing, using achievement series, can help to simplify daily differentiation. The focus will be on daily differentiation by allowing three different daily assignments. Students are placed in a group for each section rather than for the entire chapter.

Number Sense Activities
Practical activities for number sense for Kindergarten, 1st or 2nd grade.
Friday 10:30 am

10:30-11:20 am  
Dakota G  
Feb. 4, 2011

Grade Level: 6-12+

Facilitator:  Kurt D. Cogswell  
SDSU

Roundtable Discussion—Reducing the Need for University Level Math Remediation
The need for math remediation at universities exacts a huge financial and human cost. Can South Dakota K-12 and university math faculty working together improve the situation? Emphasis will be on identifying causes and constructing a concrete plan of action to address those causes.

Friday 10:30 am

10:30-11:20 am  
Dakota H  
Feb. 4, 2011

Grade Level: 6-12+

Speaker: Judy A. Vondruska  
SDSU

Exploring PhET Interactive Simulations
An opportunity will be provided to explore the large variety of free interactive tutorials developed by the university of Colorado-Boulder. Activities for physics, chemistry and mathematics. Bring a laptop if you can.

Friday 10:30 am

10:30-11:20 am  
Symposium  
Feb. 4, 2011

Grade Level: All

Facilitator: Jay Berglund  
Gettysburg HS

Common Core Standards Overview
This is a brief overview of the Common Core Standards in Mathematics which were approved by the SD State Board of Education in November and a discussion of how it will affect SD teachers.

10:30-11:20 am  
Salon  
Feb. 4, 2011

Grade Level: 3-8

Speaker: Jan Martin  
SD Department of Education

Science Results for Grades 4 & 8—National NAEP Comparisons
South Dakota's results for science from NAEP 2009 will be presented. A comparison between state standards and the NAEP framework will be explored along with implications for NAEP 2011 and TIMSS 2011.

Next Year’s Conference is  
February 2, 3, and 4, 2012!
Friday

Noon-1:00 pm  Session:  28  Feb. 4, 2011
Prairie A, B, C  Grade Level: All

Speakers:  Cindy Kroon \textsuperscript{SDCTM Pres.}
           & Molly TenBroek \textsuperscript{SDSTA Pres}

LUNCH

Presidential Awardees
Math--Lori Keleher, Huron HS
Science--Angie Hejl, Yankton HS

Grants presented by Tom Durkin and Edward Duke:
Robotics Materials award-$5000
Kelly Lane Earth and Space Science award ($5000)

Awards
Announcements
Door Prizes

Do you have a banquet ticket?

Special honorees will be the current Presidential State Finalists.

Friday

1:30 pm

1:30-2:20 pm  Session:  29  Feb. 4, 2011
Dakota A  Grade Level: All

Facilitator:  James Stearns
Groton HS

Promethean Science Share Session
Come share your best ideas for using a Promethean Board in the science classroom. The presenter will share a few of his ideas as well.

1:30-3:20 pm  Session:  30  Feb. 4, 2011
Dakota B  Grade Level: 3-8

Featured Speaker
Mariann Dolnick
Pickett's Mill Elementary
Acworth, Georgia

Munchies on the Iditarod Trail
Teachers will learn how to help their students see the connections between fractions, decimals and percents. Participants will collect, display and analyze data using bar graphs, circle graphs and data charts. Your students will love this hands-on activity.
Evolution Principles and Activities
Activities to illustrate evolutionary principles such as survival of the fittest, artificial selection, and designer dogs.

Allocation Problem with the Electoral College
We will compare the Hamiltonian Method to the Jeffersonian Method. This problem was the subset of the 1st Presidential Veto

SD Teacher to Teacher Support Network (TTSN)
The overarching goal of TTSN is to establish a multi-level online environment for SD educators that enhances professional practice and impacts new teacher retention through e-mentor support. During this session, TTSN leaders will provide an overview of the network and evidence of impact on both experienced and new teachers.

Please visit our vendors!
M²S: Newton's Law of Cooling
We will use the Vernier temperature probe and software to explore Newton's Law of Cooling and discuss its applications in the real world.

Friday 1:30 pm

1:30-2:20 pm  
Session: 35  
Dakota G  
Feb. 4, 2011
Alternate Session #91
Grade Level: 6-12+

Facilitator: Matt Miller  
SDSU

Preservice Mathematics and Science Teacher Forum
Two different sessions will allow veteran teachers to meet this year’s class of student and prospective teachers. Students from SDSU and USD involved are Brandon Blide, Jessica Eich, Katie Graves, Robyn Johnson, Chelsey Loney, Sara Otteman, Sam Peterson, Sheri Rochel, Cassandra Shull, Laura Sorensen, and Melanie Zinter. The forum will provide the new teachers an opportunity to ask veteran teachers questions about what to expect during those first years. Please come and meet the new teachers and offer your advice.

1:30-2:20 pm  
Session: 36  
Dakota H  
Feb. 4, 2011
Grade Level: 9-12+

Speakers: Sharon S. Vestal & Judy Vondruska  
SDSU

Friday 1:30 pm

1:30-2:20 pm  
Session: 36.5  
Symposium  
Feb. 4, 2011
Exhibitor
Grade Level: K-8

Speaker: Maggie J. Lindsey  
SD Game, Fish and Parks

What Game Fish & Parks Has to Offer for Teachers
A show & tell of our educational loaner kits, programs, and other resources such as Growing Up Wild and Project Wild.

1:30-2:20 pm  
Session: 37  
Salon  
Feb. 4, 2011
Grade Level: 6-12+

Speaker: Gloria J. Vavra  
Wessington Springs High School

Writing, Notetaking, and Reading in Math
Using windows journal writer, one note, or Word with tablets, students take notes, journal and share math reading ideas.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Grade Level</th>
<th>Featured Speaker</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:30-3:20 pm</td>
<td>38</td>
<td>Prairie A</td>
<td>6-12+</td>
<td>Julie Nurnberger-Haag</td>
<td>Math on the Move: Number and Operation Foundations for Algebra</td>
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<tr>
<td>Feb. 4, 2011</td>
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<td></td>
<td>Michigan State University</td>
<td>In this session, participants will have the chance to try multisensory ways of teaching number and operations topics that begin in upper elementary school and continue to be relevant through advanced algebra. Topics we will address include order of operations, inverse operations, Greatest Common Factor &amp; Least Common Multiple (including with variables), and other tips using what I call &quot;cheap friends.&quot;</td>
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**Special Thanks**

Thank you to our 2011 technology partners:
Design, Build and Test Boat Designs
Ahoy! Launch your science lessons by making and testing boats. Power them with ballons, rubber bands, or electric motors to cover much of the physical science curriculum, while having a splashing good time. In this two-hour workshop you will work in small teams to design, build and test boat designs.

Promethean Math Share Session
Come share your best ideas for using a Promethean Board in the math classroom. The facilitator will share a few of her ideas as well.

There Is More to Estimation than Rounding
Find out the five estimation strategies that work with whole and decimal numbers.

Fractions I--Multiple Methods of Multiplying
Explore multiplication of fractions, whole numbers, and mixed numbers by using models, diagrams, and number lines.
In an effort to make our program better, we are trying something different. Sessions 43 & 54 were designed to be a two hour session that has been reworked into two stand alone one hour sessions that complement each other. Go to either or both and let us know how you like this format. See also Sessions 81 & 90. Thank you Sharon, Becky and Sally for trying this out.

Friday 2:30 pm

2:30-3:20 pm Session: 44 Dakota E Feb. 4, 2011
Grade Level: 9-12+

Speakers: Penny Smith & Stephanie Sierks USD

Go Teach South Dakota
Go Teach South Dakota is a partnership aimed towards developing and retaining high quality teachers for rural and high needs areas. We are looking for high school students interested in pursuing a career in education and for educators to help spread the word. Door prizes!

2:30-3:20 pm Session: 45 Dakota F Feb. 4, 2011
Grade Level: 3-8

Speaker: Jennifer Fowler SD Project Learning Tree

Teaching about Nature, Project Learning Tree

PLT is an award winning, multi-disciplinary environmental education program for educators, providing the tools educators need to bring the environment into the classroom and their students into the environment. PLT meets state and national education standards.

Friday 2:30 pm

2:30-3:20 pm Session: 46 Dakota G Feb. 4, 2011
Grade Level: 9-12+

Facilitator: James Stearns SD-AAPT

SD-AAPT Photo Contest
Final voting and judging will be taking place on the photos and essays that have been submitted. Check out the photos in the hall Thursday night and/or Friday and put in your two cents worth. Vote by putting in a penny for your top choice or two.

2:30-4:20 pm Session: 47 Dakota H Feb. 4, 2011
Grade Level: 6-12+

Speaker: Christine L. Larson SDSU

A Deeper Undertstanding of Algebra
Participants will have an opportunity to look at basic concepts in Algebra, such as simplifying expressions, writing algebraic expressions, and solving algebraic
equations from a hands-on, problem solving perspective.

Don’t forget the business meetings: Science-Dakota G Math-Dakota C

Friday  2:30 pm
2:30-4:20 pm  Session: 47.5
Symposium                    Feb. 4, 2011
Grade Level: K-2

Speaker:  Sandy K. Ullrich
          Aberdeen School District-
          O. M. Tiffany Elementary

Understanding Number Sense
K-2 teachers lay the foundation for mathematics and understanding number sense is the key element. Learn how and what to teach to ensure a deep understanding of number sense.

Friday  3:30 pm
3:30-4:20 pm  Session: 49
Prairie A                    Feb. 4, 2011
Grade Level: 3-12+

Featured Speaker
Julie Nurnberger-Haag
Michigan State University

Math on the Move: Geometry
Come prepared to move! In this session we’ll focus on multisensory ways students can explore properties of polygons and angles formed by parallel lines. Potential topics include: concavity/convexity, variations of polygons (getting kids to release their prototypical images), vertical angles, angles formed by parallel lines, polygon angle sum theorems, and so forth.

Friday  3:30 pm
3:30-4:20 pm  Session: 50
Prairie B                    Feb. 4, 2011
Grade Level: 6-12+

Featured Speaker
Margaret (Peggy) Norris
Sanford Underground Lab/BHSU

A Conceptual Modern Physics

Please visit our vendors!
Course Highlighting
Underground Science
A one semester Conceptual Modern Physics class has been designed by a team of physics teachers and college faculty and piloted in two Sioux Falls high schools in the Fall of 2010. The course, which only requires Algebra as a pre-requisite, has been designed with learning outcomes well aligned with state science standards. Successes and challenges will be discussed.

Friday 3:30 pm

3:30-4:20 pm  Session: 51
Dakota A  Feb. 4, 2011
Grade Level: 9-12+

Speaker: Dave Martin
Cheyenne-Eagle Butte High School

4 Representations
Explore piecewise equations to develop the four representations of a function—equation, table, graph and word description. Applications to linear equations will be made.

Friday 3:30 pm

3:30-4:20 pm  Session: 52
Dakota B  Feb. 4, 2011
Grade Level: 9-12+

Speaker: Teresa Timmerman
Brandon School Division—Manitoba

Factoring for All!
Factoring can be engaging, interactive and meaningful for all students. Find out how to develop foundational factoring skills, use manipulatives (physical and virtual) and progress to a sound algebraic understanding of factoring. Participants will leave with a toolkit of strategies and resources to make factoring accessible to all learners.

Friday 3:30 pm

3:30-4:20 pm  Session: 53
Dakota C  Feb. 4, 2011
Grade Level: 3-8

Speaker(s): Micheline Hickenbotham
BHSU

Divisions through Students' Eyes
This session looks at students' work to make sense of long divisions. Sharing and comparing various ways/strategies to solve long divisions.

Friday 3:30 pm

3:30-4:20 pm  Session: 54
Dakota D  Feb. 4, 2011
Grade Level: 6-12+

Speakers: Sharon Rendon, Becky Umenthum & Sally Heberlein
Rapid City School District

Fractions II—Alternative Approaches to "Just Invert and Multiply"
Explore division of fractions, whole numbers, and mixed numbers by using models, diagrams, and number lines.

3:30-4:20 pm  Session: 55
Fun Websites for Teachers (and Students)... And They’re Free!

I will share some of the websites that I’ve found useful for my Geometry classes. Please share any you have found as well.

Friday 3:30 pm

3:30-4:20 pm  Session: 56
Dakota F
Feb. 4, 2011

Candy Science

Ever want to use that leftover candy from Halloween, Christmas, or Easter? Something for all levels. Hands on!

3:30-4:20 pm  Session: 57
Dakota G  
Feb. 4, 2011

Biz Kid$

Biz Kid$ is the fun, fast-paced education resource where kids teach kids about money. The young business owners featured in each episode teach the importance of saving, budgeting, investing and giving back to the community.

Friday 4:30 pm

4:30-5:30 pm  Session: 59
Dakota C  
Feb. 4, 2011

Biz Kid$

Biz Kid$ is the fun, fast-paced education resource where kids teach kids about money. The young business owners featured in each episode teach the importance of saving, budgeting, investing and giving back to the community.
4:30-5:30 pm       Session: 60
Dakota G           Feb. 4, 2011

Grade Level: All
Facilitator: Molly TenBroek
SDSTA President

SDSTA Business Meeting
The movie "Waiting for Superman" has created some great discussions about the education of our children. Regardless of your opinion of the movie, the one undisputed fact is that all our students deserve a "Superman" in their classroom. The good news is that our superhero is already present within you, all you need to do is find a phone booth (hard to do these days) and let him/her out! This presentation will provide some ideas of how you can avoid kryptonite in the classroom and become Superman for all your students.

See you tomorrow for more great speakers.

Presidential Awardees—see you at breakfast.
**Saturday**  
8:30 am

8:30-9:20 am  
Session: 64  
Prairie C  
Feb. 5, 2011

Grade Level: 9-12+

Speaker: Steven M. Rokusek  
SDPB

**NOVA: Making Stuff**
In NOVA's new four-hour series, "Making Stuff," we take a tour of the material world we live in, offering viewers a behind-the-scenes look at scientific innovations that are ushering in a new generation of materials that are stronger, smaller, smarter, and cleaner than anything we've ever seen.

8:30-9:20 am  
Session: 65  
Prairie B  
Feb. 5, 2011

Grade Level: 6-12+

Speaker: Dave Martin  
Cheyenne-Eagle Butte High School

**Are You a Greedy Pig?**
Using dice games, students become actively involved in collecting data and using the data to make decisions. Descriptive statistics and various graphical representations of data will be presented.

Next Year's Conference is  
February 2, 3, and 4, 2012!

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**Saturday**  
8:30 am

8:30-9:20 am  
Session: 66  
Dakota A  
Feb. 5, 2011

Grade Level: 6-12+

Speakers: Matthew Miller,  
Jane Hamze & Spencer Cody  
SDSU, West Central HS & Hoven HS

**Action Research in the Classroom: Examples of Classroom Change to Engage Students**
Several examples of classroom activities conducted by South Dakota high school teachers to engage students will be discussed along with the data which assessed the outcome. The discussions will focus primarily on the activities utilized in the classroom but an overview of how to conduct classroom research will be presented.

8:30-9:20 am  
Session: 67  
Dakota B  
Feb. 5, 2011

Grade Level: 9-12+

Speaker: Teresa Timmerman  
Brandon School Division--Manitoba

**Assessment For, As and Of Learning**
Assessment is an important part of regular activity in the classroom. Assessment OF learning is only one part of the feedback cycle. Get practical tips and concrete ideas on how to use assessment FOR learning and assessment AS learning in a continuous feedback cycle that promotes student learning, understanding and growth.
Using Tiles and Gems to Teach Math in Grades 6-8
Participants will be actively engaged in using manipulatives (Integer Tiles), playing games and doing activities to enhance the learning of math concepts. The Integer Tiles will be used to introduce and practice integers and their operations. Games will be played that deal with integers, order of operations, graphing and writing.

Fold It, Act It, Say It
Activities that activate the whole brain will be shared. Get your students folding, shouting, and moving.

BB Board Molecular Demonstrator for Science
This is a make it and take-it session where you construct an acrylic BB-Board demonstrator for atomic/molecular motion. This session is limited to the 1st seven attendees and materials are free. To see what you are making, go to: http://mb045.k12.sd.us/Ideas/Bbboard.htm
Saturday 8:30 am
8:30-10:20 am Session: 72 Dakota G Feb. 5, 2011
Repeat of #18
Grade Level: 6-12+

Speaker: Dawn E. Ottman
KidWind/Wind Senator

This presentation is designed to help science and math teachers to add renewable energy and energy conservation to their classroom curriculum and help is also offered to aid in the development of classroom workshops in solar and wind energy.

8:30-9:20 am Session: 73 Dakota H Feb. 5, 2011
Grade Level: 6-12+

Speaker: Christine L. Larson
SDSU

Cosmic Math: Using Algebra Tiles
Algebra Tiles will be used to solve a variety of problems, both linear and quadratic.

Saturday 8:30 am
8:30-10:20 am Session: 73.5 Symposium Feb. 5, 2011
Grade Level: 6-12+

Speaker: Nicol A. Reiner
Sioux Falls School District

Using Algebra Tiles to Enhance Conceptual Understanding
Learn how to use algebra tiles as concrete representations that build conceptual understanding and help transition students to abstract algebraic concepts.

8:30-9:20 am Session: 74 Salon Feb. 5, 2011
Grade Level: All

Facilitators: Diana McCann & Ramona Lundberg
Presidential Award State Coordinators

Tips for Winning Money
Would you like to receive $10,000? Every year South Dakota is able to give two $10,000 awards, one in science and one in math. The Presidential Award is sponsored by the White House and the National Science Foundation.
### Math on the Move: Multisensory Math Your Students Need

This session will be most beneficial if you attended at least one of the previous Math on the Move Sessions, but all are welcome. You will have the opportunity to collaborate with your colleagues across the state to infuse more multisensory methods into your mathematics teaching. Feel free to bring topics with which your students struggle, and I’ll facilitate a session that helps you develop some ways to address these difficult topics in multisensory ways.

### The Vision for the Sanford Center for Science Education at DUSEL

The Sanford Center for Science Education will be the public face of the DUSEL laboratory. Plans are underway for the design of the facility and its programming, which includes exhibits, onsite interactive exhibits and opportunities to experience authentic science, offsite programs and opportunities to experience authentic science, and virtual programming. Preliminary plans in all these areas will be discussed.

### Rocket Powered Science & Math

Launch yourself into fun creative, hands-on teaching with these rocket activities. No explosives, no fancy equipment—just stuff you have or can easily get. Broadly applicable and loads of fun, these activities will generate curiosity, interest, and understanding.
**Saturday 9:30 am**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Description</th>
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<tbody>
<tr>
<td>9:30-10:20 am</td>
<td>78</td>
<td>Dakota A</td>
</tr>
<tr>
<td>Feb. 5, 2011</td>
<td></td>
<td>Grade Level: 9-12+</td>
</tr>
<tr>
<td>Facilitator:</td>
<td>Matthew Miller</td>
<td>SDSU</td>
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<tr>
<td><strong>Expectations of Universities in SD for the Skill Level of Incoming Students in Mathematics and Physics</strong></td>
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<tr>
<td>This one hour panel session is one of two offered to discuss the skills that South Dakota higher education institutions expect high school students to already know when they enter that institution. This session focuses on mathematics and physics; the other one will focus on biology and chemistry. All teachers are welcome to attend either session.</td>
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<tr>
<th>Time</th>
<th>Session</th>
<th>Description</th>
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<tr>
<td>9:30-10:20 am</td>
<td>79</td>
<td>Dakota B</td>
</tr>
<tr>
<td>Feb. 5, 2011</td>
<td></td>
<td>Grade Level: 3-8</td>
</tr>
<tr>
<td><strong>Repeat of #14</strong></td>
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<tr>
<td>Featured Speaker:</td>
<td>Mariann Dolnick</td>
<td>Pickett's Mill Elementary Acworth, Georgia</td>
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<tr>
<td><strong>Mush ON!</strong></td>
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<tr>
<td>Learn how to create an interdisciplinary unit implementing The Last Great Race on Earth: The Iditarod. Lots of ideas you can use for this year's race March 5! Then join us for a snack later today working with idata collection and probability in our companion session, Who Will Be the Next Iditarod Champion?</td>
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**Saturday 9:30 am**

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<tr>
<td>9:30-11:20 am</td>
<td>80</td>
<td>Dakota C</td>
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<tr>
<td>Feb. 5, 2011</td>
<td></td>
<td>Grade Level: 3-12+</td>
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<tr>
<td><strong>2 hours - Repeat of #15</strong></td>
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<tr>
<td>Speaker:</td>
<td>Elizabeth A. McMillan</td>
<td>Flandreau Middle School</td>
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<tr>
<td><strong>HIGHS &amp; LOWS of Weather</strong></td>
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<tr>
<td>Learn modules from Project Atmosphere: tracking tornadoes &amp; high and low pressure fronts. Discover wonderful weather websites - be the first to know what's coming. Learn about opportunities to travel to Kansas City, Maryland, or earn Graduate Credit all for free through Project Atmosphere and Project DataStreme.</td>
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<td>9:30-10:20 am</td>
<td>81</td>
<td>Dakota D</td>
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<tr>
<td>Feb. 5, 2011</td>
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<td>Grade Level: 6-12+</td>
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<tr>
<td><strong>Repeat of #14</strong></td>
<td></td>
<td></td>
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<tr>
<td>Speakers:</td>
<td>Sharon Rendon, Becky Umenthum &amp; Sally Heberlein</td>
<td>Rapid City School District</td>
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<tr>
<td><strong>Algebra Tiles I</strong></td>
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<tr>
<td>This session will offer a journey through a middle and secondary curriculum illustrating AREA is the foundation model for whole number multiplication, fractions, and polynomials. Participants will use algebra tiles and the generic rectangle as a basis for multiplying and factoring polynomials.</td>
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</table>
Diersen’s Dirty Dozen
If you only have this dozen. . . Twelve activities that will not only get your students active in body and mind, but may get their hands dirty. These activities are easy to prepare, vital to curriculum concepts (grades 3 and up) and inexpensive.

Why Is It Always Eleven Below in Huron in February?
Inquiry-based activities investigate multiple reasons for seasons on Earth: why our winters are so cold & our summers so warm, what happens world-wide on the equinox, how the atmosphere is heated and why distance isn’t the answer. Activities can be adapted for K-8 classrooms.

Next Year’s Conference is February 2, 3, and 4, 2012!
10:30-11:20 am  Session: 86  Feb. 5, 2011  Prairie A
Grade Level: 3-12+

Featured Speaker
Julie Nurnberger-Haag  
Michigan State University

Math on the Move: Multisensory Math Your Students Need  
Part 2

This session will be most beneficial if you attended at least one of the previous Math on the Move sessions, but all are welcome. You will have the opportunity to collaborate with your colleagues across the state to infuse more multisensory methods into your teaching. Feel free to bring topics with which your students struggle.

Don’t forget to fill out your evaluation of the conference!

We need your input to make next year even better!

10:30-11:20 am  Session: 87  Feb. 5, 2011  Prairie B
Grade Level: All

Featured Speaker
Margaret (Peggy) Norris  Sanford Underground Lab/BHSUU

The Deep Underground Science and Engineering Lab (DUSEL): An Update

DUSEL, planned to be constructed in the former Homestake Mine in Lead, SD, is in the preliminary design phase by the National Science Foundation. The multi-disciplinary science and engineering research to be pursued by the hundreds of scientists awaiting DUSEL completion is a natural hook to interest K-12 and undergraduate students in science and engineering courses and careers.

10:30-11:20 am  Session: 88  Feb. 5, 2011  Dakota A
Repeat of #55
Grade Level: 9-12+

Speaker: Sheila E. McQuade  
O’Gorman High School

Fun Websites for Teachers (and Students)... And They’re Free!
I will share some of the websites that I’ve found useful for my Geometry classes. Please share any you have found as well.
Saturday 10:30 am

10:30-11:20 am Session: 89
Dakota B Feb. 5, 2011

Grade Level: All

Facilitator: Jay Berglund
Gettysburg HS

SmartBoard Math Sharing Session
Come share your best ideas for using a SmartBoard in the math classroom. The facilitator will share a few of his ideas as well.

10:30-11:20 am Session: 90
Dakota D Feb. 5, 2011

Grade Level: 6-12+

Speakers: Sharon Rendon, Becky Umenthum & Sally Heberlein
Rapid City School District

Algebra Tiles II
This is an extension of Algebra Tiles I where participants will continue to use algebra tiles to complete the square and develop an alternative to long division of polynomials.

Next Year’s Conference is February 2, 3, and 4, 2012!

Saturday 10:30 am

10:30-11:20 am Session: 91
Dakota E Feb. 5, 2011

Grade Level: 6-12+

Facilitator: Matthew Miller & Students
SDSU & USD

Preservice Mathematics and Science Teacher Forum
Two different sessions will allow veteran teachers to meet this year’s class of student and prospective teachers. Students from SDSU and USD involved are Brandon Blide, Jessica Eich, Katie Graves, Robyn Johnson, Chelsey Loney, Sara Otteman, Sam Peterson, Sheri Rochel, Cassandra Shull, Laura Sorensen, and Melanie Zinter. The forum will provide the new teachers an opportunity to ask veteran teachers questions about what to expect during those first years. Please come and meet the new teachers and offer your advice.

10:30-11:20 am Session: 92
Dakota G Feb. 5, 2011

Grade Level: K-5

Speakers: Julie Olson & Marica Shannon
Mitchell High School

Art and Science
Art and science come together for elementary grades using everyday art supplies.
Saturday  NOON

Noon-1:00 pm  Session: 93  Feb. 5, 2011
Prairie A, B, C

Grade Level: All

Facilitators:
Molly TenBroek, SDSTA Pres.
& Cindy Kroon, SDCTM Pres.

LUNCH

Announcements
Door Prizes

Saturday  1:00 pm

1:00-1:50 pm  Session: 94  Feb. 5, 2011
Dakota A

Grade Level: 9-12+

Speakers: Angela M. Hejl
& Jama Mathison
Yankton High School

Teaching Genetics with Bears and Beans
For some students, abstract ideas concerning genetic variation and allele frequency are difficult. With a few items from the grocery store, you can provide students an opportunity to gather and analyze authentic data to deepen understanding.

Saturday  1:00 pm

1:00-2:50 pm  Session: 95  Feb. 5, 2011
Dakota B

2 hours

Grade Level: 3-8

Featured Speaker
Mariann Dolnick
Pickett's Mill Elementary
Acworth, Georgia

Who Will Be the Next Iditarod Champion?
This session will provide a hands-on activity to help students determine the probability of predicting the winner of the 2011 Iditarod. Data will be collected during this session and then analyzed.

Saturday  1:00 pm

1:00-2:50 pm  Session: 96  Feb. 5, 2011
Dakota C

2 hours

Grade Level: 6-12+

Speakers: Matthew Miller
& Larry Browning
SDSU

Chemistry and Physics—Demonstration and Laboratory Make and Take Session
We propose a 2 hour session during which example demonstrations and laboratory activities will be discussed and practiced; equipment will be shown and some materials will be available to be taken home. Specific demonstrations and laboratory activities will be announced prior to the conference.
Saturday 1:00 pm

1:00-1:50 pm  
Dakota D  
Feb. 5, 2011  
Repeat of #6  
Grade Level: 9-12+

Speaker: Kelly Riedell  
Brookings High School

Hands on Biology Activities
Experience a variety of role plays, labs, games, and other hands on learning activities which can be used to introduce new concepts, reinforce understanding, and enhance student performance for all students in your classroom. Participants will take home a CD with instructions and handouts in classroom-ready form.

1:00-1:50 pm  
Dakota E  
Feb. 5, 2011  
Exhibitor  
Grade Level: 9-12+

Speakers: Mike Limmer  
& Leo Keiser  
Pearson

Never Correct Another Math Paper with Math XL for School
Teachers quickly create, edit, and assign online homework and quizzes which are automatically graded to rapidly assess student understanding. Students get self-paced assistance on problems through guided solution, step-by-step examples, video clips and animations, receive immediate feedback and personalized study plans based on quiz test results.

Saturday 1:00 pm

1:00-1:50 pm  
Dakota F  
Feb. 5, 2011  
Repeat of #45  
Grade Level: 3-8

Speaker: Jennifer Fowler  
SD Project Learning Tree

Teaching about Nature, Project Learning Tree
PLT is an award winning, multi-disciplinary environmental education program for educators, providing the tools educators need to bring the environment into the classroom and their students into the environment. PLT meets state and national education standards.

1:00-2:50 pm  
Dakota G  
Feb. 5, 2011  
2 hours  
Grade Level: All

Facilitator: Julie Olson  
Mitchell High School

Iron Science Teacher Competition
Just like the Iron Chef series, competing teachers will be challenged to come up with and briefly demonstrate labs/activities/demonstrations when given a set of supplies.

Next Year’s Conference is  
February 2, 3, and 4, 2012!
Saturday 1:00 pm
1:00-1:50 pm Session: 101
Dakota H Feb. 5, 2011
Repeat of #19
Grade Level: 6-12+

Speaker: Judy A. Vondruska
SDSU

Imaging and Image Processing with the NASA Micro-observatory
Participants will learn how to use the NASA Micro-observatory to take multiple colored filter images and then post-process the images to create colored gif images. Bring a laptop if you can.

Saturday 1:00 pm
1:00-1:50 pm Session: 102
Salon Feb. 5, 2011
Grade Level: 3-5

Speaker: Jan Martin
SD Department of Education

Problem Solving and Communication
Building on NAEP data including student and teacher data, strategies for problem solving across the math curriculum will be explored. Ways to improve written communication about problem solving will be presented.

Saturday 2:00 pm
2:00-2:50 pm Session: 102.5
Dakota A Feb. 5, 2011
Grade Level: 9-12+

Speaker: Robin L. Cochran-Dirksen
Lead-Deadwood HS

Teaching Local and Global Resources Using Problem-Based Learning
Description and reflections on the development of a water quality and indigenous plants curriculum that won a 2010 Toyota Tapestry Large Grant Award.

Next Year’s Conference is February 2, 3, and 4, 2012!
Saturday 2:00 pm

2:00-2:50 pm  Session: 103
Dakota D  Feb. 5, 2011
Repeat of #17
Grade Level: 9-12+
Speaker: Sheila E. McQuade
O'Gorman High School

Hands-on Geometry
Everyday items can make HS Geometry concepts more "real" to students. I will share some of the activities I use in my classroom to increase student understanding.

2:00-2:50 pm  Session: 104
Dakota E  Feb. 5, 2011
Grade Level: K-5
Speaker: Brenda Danielson
Scotland Elementary

Fraction Action
Do your students struggle with fractions? How can we move from shortcuts to true understanding? Activities and strategies for fraction practice will be presented.

Next Year’s Conference is
February 2, 3, and 4, 2012!

Saturday 2:00 pm

2:00-2:50 pm  Session: 105
Dakota F  Feb. 5, 2011
Grade Level: 6-12+
Speaker: Jean Gomer
Independent Consultant

Using Puzzles to Teach Problem Solving Strategies
This session will include George Polya’s problem solving method, a variety of problem solving strategies and activities to introduce or reinforce the use of these strategies.

2:00-2:50 pm  Session: 105.5
Dakota H  Feb. 5, 2011
Exhibitor
Grade Level: 6-12+
Speaker: Marie L. Steckelberg
Yankton Rural Area Health Education Center

Guts in a Box
Explore the "Bag o' Guts", gut disorders, energy balance, be a health professional, and more! Learn about this "In a Box" curriculum, and the "Brain in a Box" and "Ear in a Box" curriculums available to educators. Everything is included, even the batteries!!
Learning Power is a South Dakota initiative which provides eligible educators with the opportunity to enhance classroom experiences for high-level learners and to increase participation and pass rates for AP courses in South Dakota. This session will feature current Learning Power mathematics teachers who will explain how they have implemented the LTF materials within their current mathematics curriculum to meet the needs of high level learners and engage all learners in mathematics.

**Saturday 2:00 pm**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Grade Level</th>
<th>Exhibitor</th>
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<tbody>
<tr>
<td>2:00-2:50 pm</td>
<td>105.75</td>
<td>Salon</td>
<td>9-12</td>
<td>Jami Stone</td>
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<td>Learning Power-BHSU</td>
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**Saturday 3:00 pm**

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<th>Session</th>
<th>Location</th>
<th>Grade Level</th>
<th>Facilitator</th>
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<tbody>
<tr>
<td>3:00-3:50 pm</td>
<td>106</td>
<td>Dakota C</td>
<td>All</td>
<td>Molly TenBroek</td>
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<td></td>
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<td>Science Follow Up</td>
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**Saturday 3:00 pm**

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<th>Facilitator</th>
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<tr>
<td>3:00-3:50 pm</td>
<td>107</td>
<td>Dakota F</td>
<td>All</td>
<td>Cindy Kroon</td>
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<td>Math Follow Up</td>
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**Saturday 3:00 pm**

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<tbody>
<tr>
<td>3:00-3:50 pm</td>
<td>108</td>
<td>Board Room</td>
<td>All</td>
<td>Jean Gomer</td>
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<td>Joint Board Meeting</td>
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Check out the “Sharing the Classroom Treasures” in the Board Room.

At 4:30 all **treasures** will become **trash**.
Representatives will be exhibiting on Friday from 8:00 AM until 5:00 PM. These include:

- Connecting Point Computer Centers
- CPM Educational Program
- First in Math®
- Glencoe – McGraw – Hill
- Great Source Rigby Steck-Vaughn
- Holt McDougal
- Learning Power / TIE
- Pearson
- Sanford Research
- SD Cooperative Extension and 4-H/Youth Development
- SD Health Career Connections Network & SD Healthcare Workforce Center
- SD Discovery Center (Pierre)
- SD GFP-Outdoor Campus West
- SD Public Broadcasting
- SDSU-Dept of Teaching Learning & Leadership
- US Army Corps of Engineers
- Wildlife Experiences, Inc.
- Workplace Technology Center
- Youth Programs & Continuing Education

Name Tag Lanyards are compliments of SD Game Fish & Parks

South Dakota Science Teachers Association Business Meeting will be held in Dakota G at 4:30 pm on Friday, February 4, 2011

SD Council of Teachers of Mathematics Business Meeting will be held in Dakota C at 4:30 pm on Friday, February 4, 2011

Graduate Credit

Conference credit will be offered through Dakota Wesleyan University. You may register for one hour of credit at the 499 or 599 level. Attendance at a sharing session is required to earn graduate credit from Dakota Wesleyan University. There will be personnel available to register you for the credit on Thursday night from 6:30 to 9:00 pm, and on Friday morning from 7:30 to 8:30 am. Check in the hotel lobby for the DWU table. A syllabus listing course requirements will be available at the time of registration. For more information, contact Rocky Von Eye at (605) 995-2625.
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The 2011 Conference Committee would like to offer a Special Thanks to …

Dakota Weslyan University and Rocky Von Eye for handling the credit.

Pepsi for helping provide refreshments throughout the conference.

Work Place Technologies / Brian Lee for helping provide morning refreshments.

All speakers for their dedication to the future of mathematics and science education.

All exhibitors for their enthusiastic participation.

The Huron Area Chamber of Commerce, The Huron Convention and Visitors Bureau, for a great deal of help and cooperation—especially with the pheasants.

The Huron Events Center & Crossroads Hotel for their help and generous hospitality.

All the conference participants who make all of our efforts worthwhile and without whom there would be no conference.

A SPECIAL THANKS GOES TO
TIE for helping us with projectors--!
Connecting Point for providing the Promethean Equipment
Work Place Technologies/Brian Lee for providing SmartBoard Equipment

Next year’s conference will be February 2, 3, & 4, 2012.

The 2011 Spring Conference is a joint venture of the South Dakota Science Teachers Association (SDSTA) and the South Dakota Council of Teachers of Mathematics (SDCTM)

Note: There is a common registration form for the conferences. One form is used to register for all activities, including SDSTA and SDCTM memberships.

<table>
<thead>
<tr>
<th></th>
<th>SDSTA or SDCTM members</th>
<th>Non-members</th>
<th>Students</th>
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<tbody>
<tr>
<td>1-day</td>
<td>$50</td>
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<td>$15</td>
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<tr>
<td>2-day</td>
<td>$75</td>
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The Friday Night Banquet is NOT included in the registration fee. A ticket for the banquet may be obtained at an additional cost of $20.

Because of a limited printing budget, the program was available in advance at the SDCTM website [www.sdctm.org] or SDSTA web site [www.sdsta.org]. Printed programs were not mailed, but were distributed on site with the registration materials.
Please take time to respond to the following questions concerning the conference. This information will help the program committee take steps to improve future conferences. Circle one in each group:

Content Area: Math  Science  Both
Grade Band:  Elementary  Middle School  High School

What presentation or presentations did you feel were the most useful or helpful?

What made it (or them) good?

Were there any presentations that disappointed you?

Please give us your overall assessment of the conference along with any comments you would like to share.

Detach and fill in the following for a final prize to be sent after the conference. To register for the prize turn in this entry along with your evaluation form.

___________________________________________________
Name

___________________________________________________
Address

___________________________________________________
City, State, Zip Code