Program for 2012 Joint Conference

Special thanks for helping with our technology needs go to: TIE for the projectors, Connecting Point for the Promethean Equipment and Workplace-AVI Systems for the SmartBoard Equipment.

<table>
<thead>
<tr>
<th>Thursday</th>
<th>7 pm</th>
<th>Friday</th>
<th>8:30 am</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00-9:00 pm</td>
<td>Session: 1</td>
<td>8:30-9:20 am</td>
<td>Session: 3</td>
</tr>
</tbody>
</table>

**Grade Level:** All

**Facilitator:** Jay Berglund  
SDCTM President  
http://www.sdctm.org

**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!

**7:00-9:00 pm** | Session: 2 | Feb. 2, 2012
| Dakota G |

**Grade Level:** All

**Facilitator:** Brenda Murphey  
SDSTA President-elect  
http://www.sdsta.org

**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!

**Promethean Curriculum**  
Learn about the new wave of Interactive White Board curriculum now available. Experience Channel One Interactive grades 6-12 and Channel One Interactive Junior grades 3-5. Explore existing online resources and possibility of combining different resources. BYOD? Bring Your Own Device is the current buzz in education circles. School budget dollars are shrinking and being able to have the students and teachers use their Smart phones, Ipads, Droids would help cut costs. Formative Assessments with Promethean’s Engage Mobile could be part of the answer! Come and see for yourself!
Friday  8:30 am  
8:30-9:20 am  Session:  4
Dakota B  
Feb. 3, 2012
Grade Level:  All
Presenter:  Brian Lee
Workplace-AVI Systems

What’s new with the SmartBoard?
A representative from Workplace-AVI Systems will show off what is new with the SmartBoard. There will be an opportunity for you to ask questions about the SmartBoard and its uses in the classroom.

Friday  8:30 am  
8:30-9:20 am  Session:  5
Dakota C  
Feb. 3, 2012
Grade Level:  
Presenter:  Jamalee Stone
BHSU

South Dakota Advanced Placement Program (Project APPLE)
Come learn about Project APPLE, the newest SD initiative funded through the Advanced Placement Incentive Program through a grant from the US DOE to TIE, Rapid City, SD.

Friday  8:30 am  
8:30-9:20 am  Session:  6
Dakota D  
Feb. 3, 2012
Grade Level:  6-8
Presenter:  Shawn P. Cutler
Wall School
http://sc087.k12.sd.us

Blackboard Learn-Digital Platform for Learning
Free!! Available through SD Data Center, this platform allows for message boards, wikis, online assessments, journals, and more! Secure and private, helps increase participation and reflection in any classroom.

Friday  8:30 am  
8:30-9:20 am  Session:  7
Dakota E  
Feb. 3, 2012
Grade Level:  K-8
Presenter:  Micheline A. Nelson
BHSU

A Few of My Favorite Things:  Natural Resources
How many natural resources do we depend on in our day-to-day lives? What are they made of? From identifying the natural resources to integration in the curriculum: ideas for math, science, economics, art, and more.
Friday  
8:30 am  
Session: 8  
Feb. 3, 2012  
---  
Dakota F  
Grade Level: 9-12  
Presenter: Lindsey L. Brewer  
Huron HS  
Technology Smorgasbord  
Participants will leave this session with technology skills they can use in their classrooms on Monday. I will share how I use technology in my math classroom, but these skills can be used in most content areas. While not required, bring your tablet/laptop if you have one.

---  
Friday  
8:30 am  
Session: 9  
Feb. 3, 2012  
---  
Dakota G  
Grade Level: All  
Presenter: Larry M. Browning & Arnie Lund  
SDSU  
Telescope Make and Take I--Construction  
Materials and instruction to make 20 telescopes with eyepieces will be provided. These telescopes have a 70 mm aperture adjustable focus and stands. Bring a jump drive if you want an electronic version of the instructions.

---  
Friday  
8:30 am  
Session: 10  
Feb. 3, 2012  
---  
Dakota H  
Grade Level: K-5  
Presenter: William J. Kliche  
SD DOE  
Subtraction Is More Than Taking Away  
Provide strategies to better understand the concept of subtraction as finding the difference between values and not simply "take away."

---  
DO YOU HAVE A BANQUET TICKET?  
The Speaker is Jon Richards from the SETI Institute in Mountain View, California.  
See Steve Caron to purchase a ticket. Buy by noon today!
Featured speaker's sessions are scheduled in the Prairie Ballrooms!

9:30-10:20 am  Session:  11  
Prairie A  Feb. 4, 2012  
Repeat of #93

Grade Level:  All

Featured Speaker  
Jon Richards  
The SETI Institute  
Http://setiquest.org

Lab:  Kepler Spacecraft  
NASA’s Kepler spacecraft is now in operation concentrating on 150,000 stars in a 10x10 degree area of the sky. This session will be a review of NASA’s Kepler Mission, how it works, and the related teaching materials from the SETI Institute. The Kepler mission seeks Earth-size planets around other stars. The mission’s job is to find places where life, as we know it, is possible. This presentation will excite educators about the very active search for habitable planets. There is not much that is cooler than planet hunting! Educators will be able to carry this excitement into the classroom. There will be several hands-on activities that illustrate how Kepler detects planets orbiting stars that are hundreds of light years from earth.

9:30-10:20 am  Session:  12  
Prairie B  Feb. 3, 2012  
Grade Level:  K-5

Featured Speaker  
Lesa M. Clarkson  
University of Minnesota

One Hundred (or so) Uses of the 100 Grid  
The 100 grid has important patterns and uses for developing number sense in the intermediate and early middle school classrooms.

9:30-10:20 am  Session:  13  
Prairie C  Feb. 3, 2012  
Repeat of #71

Grade Level:  9-12

Featured Speaker  
Robert V. Stack  
Chadron State College

"Real" Data Comparisons: Game Theory and Operations Research in the Game of Softball  
During this session, game theory in the sports of softball and baseball will be discussed.
Friday 9:30 am
9:30-10:30 am  Session:  14
Dakota A  Feb. 3, 2012
Grade Level:  All
Facilitator:  Kristi Lutgen
Deubrook Area HS
Promethean Math Share Session
Come share your best ideas for using a Promethean Board in the math classroom.

Friday 9:30 am
9:30-10:20 am  Session:  15
Dakota B  Feb. 3, 2012
Grade Level:  6-12
Facilitator:  Paul R. Kuhlman
Avon School
SmartBoard Science Share Session
Come share your best ideas for using a SmartBoard in the science classroom!

NEW Science and Math Resources from PBS & SDPB
During this session participants will learn about PBS LearningMedia. It is your destination for easy, instant access to thousands of classroom-ready, digital resources including videos and interactives perfect for the Interactive Whiteboard, plus audio and photos, and even in-depth lesson plans. Best of all, it is free for educators.

Friday 9:30 am
9:30-10:20 am  Session:  17
Dakota D  Feb. 3, 2012
Grade Level:  9-12
Presenter:  Erin N. Larsen
SD DOE
http/doe.sd.gov/oats/SDAP.asp
Using the South Dakota Assessment Portal for Classroom Assessments
The South Dakota Assessment Portal is a new online resource to help educators create, deliver and track formative, interim, and summative assessments. This session will detail how the SDAP can be used in the math and science classroom.

Have you checked out “Share the Classroom Treasures”?
Stop in Salon I and see what is there.
**Friday 9:30 am**

**Session: 18**

**Dakota E**  
Feb. 3, 2012

**Grade Level:** K-8

**Presenter:** Pat Wenzel  
Holt McDougal

**Get to the STEM of Learning**

Project Based Learning is a great way to engage students! Holt McDougal’s video-based projects and STEM activities engage students and build 21st century skills such as creativity and innovation. Join us and experience it for yourself! Door prizes and complimentary materials.

**Session: 19**

**Dakota F**  
Feb. 3, 2012

**Grade Level:** 9-12

**Presenter:** Bob Schuh  
McIntosh HS

**A Brief Look at the TI-nspireCX CAS**

The session will demonstrate some of the basic features of the new color model calculator and the improvements made from the former models. Several new functions will be demonstrated.

**Session: 20**

**Dakota G**  
Feb. 3, 2012

**Grade Level:** All

**Presenter:** Larry M. Browning & Arnie Lund  
SDSU

**Telescope Make and Take II-Activities**

Advice on how to get support and build telescopes as a classroom activity (see Telescope Make and Take I) will be discussed. Several activities will also be provided such as measuring field of View (FOV), magnification, focal length, etc.

**Session: 21**

**Dakota H**  
Feb. 3, 2012

**Grade Level:** 6-12

**Presenter:** Liz McMillan  
The Sanford PROMISE  
http://sanfordresearch.org

**Understanding Enzymes**

Hands-on activity to explore enzyme function using a model of a lysosomal storage disorder: Batten Disease.

---

**Remember the Banquet**  
Starts at 6:30 pm

**Next Year’s Conference is**  
February 7, 8, and 9, 2013!
Friday 9:30 am

9:30-10:20 am  Session:  22
Symposium
Feb. 3, 2012

Grade Level:  9-12

Presenter:  Dan Van Peursem
and others
USD and others

Board of Regents Math Panel
Math professors will discuss what K-12
teachers can do to make the transition
to college easier for their students.

Friday 10:30 am

10:30-11:20 am  Session:  23
Prairie A
Feb. 3, 2012
Repeat of #69

Grade Level:  All

Featured Speaker
Gene Bormann
US Army Corps of Engineers

Affects of the 2011
Missouri River Flood
Several aspects of the 2011 flood will be
discussed with special emphasis placed
on the effects on wildlife.

10:30-11:30 am  Session:  24
Dakota A
Feb. 3, 2012

Grade Level:  All

Facilitator:  James Stearns
Aberdeen Central HS

Promethean Science Share Session
Come share your best ideas for using a
Promethean Board  in the science
classroom.

Please visit our vendors!
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Grade Level</th>
<th>Facilitator</th>
<th>Presenter</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday 10:30 am</td>
<td>25</td>
<td>Dakota B</td>
<td>All</td>
<td>Allen Hogie</td>
<td>Brandon Valley HS</td>
<td>SmartBoard Math Sharing &lt;br&gt;Come share your best ideas for using a SmartBoard in the math classroom.</td>
</tr>
<tr>
<td>10:30-11:20 am</td>
<td>26</td>
<td>Dakota C</td>
<td>9-12</td>
<td>Pat Wenzel</td>
<td>Holt McDougal</td>
<td>Going Digital in High School Science &lt;br&gt;Looking for digital resources for your eReaders (iPad, Kindle, Nook) and interactive Whiteboards? Check out Holt McDougal digital offerings including project-based learning resources, STEM activities and problem solving support. Door prizes and complimentary resources.</td>
</tr>
<tr>
<td>10:30-11:20 am</td>
<td>27</td>
<td>Dakota D</td>
<td>K-12</td>
<td>Barbara K. Olson</td>
<td>Time to Teach</td>
<td>Increase Your Teaching Time Exponentially &lt;br&gt;Learn respectful and effective strategies for establishing and sustaining a productive classroom community. Imagine the increased learning possible--and probable--when you have an additional 2-3 hours of instructional time, unhindered by multiple requests and threats for productive behavior.</td>
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<tr>
<td>10:30-11:20 am</td>
<td>28</td>
<td>Dakota E</td>
<td>K-5</td>
<td>Mike Limmer</td>
<td>Pearson Education</td>
<td>Envision? Investigations? You Choose &lt;br&gt;Now there is a real choice when implementing CGI thanks to Pearson Education. This session will provide all the information you need to make an informed decision when choosing a math program that meets your district's unique needs, while transitioning to the Common Core Standards. Come take a look at the embedded mathematical practices and 21st century technology.</td>
</tr>
</tbody>
</table>

**Do you have a Banquet Ticket?**

**Special honorees will be the current Presidential State Finalists.**
Friday  10:30 am

10:30-11:20 am  Session:  29
Dakota F   Feb. 3, 2012
Repeat of #89

Grade Level:  9-12
Facilitators:  Matt Miller
& Larry M. Browning
SDSU

Meet the New Teachers
Prospective science and math teachers will engage veteran teachers in a conversation about teaching and what they can do to prepare.

10:30-11:20 am  Session:  30
Dakota G   Feb. 3, 2012
Grade Level:  6-8
Presenter:  Arnold Lund
Retired Jones & Jackson Cty Schools

Rainbows (Spectrum)-Telegraph of the Universe
Introduction to spectrum & element identification using an overhead projector and spectroscopic papers/glasses. Hands-on and suited for Earth Science (8th), Physical Science (9th), and Chemistry. Absorption and photosynthesis is also introduced with color filters

Friday  10:30 am

10:30-11:20 am  Session:  31
Dakota H   Feb. 3, 2012
Grade Level:  9-12
 Presenter:  Deborah Snook
Philip HS

Quadratic Functions
Educators will be provided a variety of ideas that will help students retain concepts studied within a unit on quadratic functions.

10:30-11:20 am  Session:  32
Symposium   Feb. 3, 2012
Grade Level:  9-12
Presenter:  Tina Keller and others
USD and others

Board of Regents Science Panel
Science professors will discuss what K-12 teachers can do to make the transition to college easier for their students.

Please visit our vendors!
Next Year’s Conference is February 7, 8, and 9, 2013!

Have you considered being a presenter?
Everyone here has something that they do well!
Please think about sharing with other South Dakota teachers.

Friday NOON

Noon-1:00 pm  Session: 33
Prairie A, B, C  Feb. 3, 2012

Grade Level: All

Facilitators: Jay Berglund & Molly TenBroek
SDCTM President & SDSTA President

LUNCH
Presidential Awardees
Mathematics—Constance Ahrens
Rapid City Area Schools
Science—Deborah Thorpe
Lead-Deadwood Middle School

Friday 1:30 pm

1:30-2:20 pm  Session: 34
Prairie A  Feb. 3, 2012

Grade Level: All

Featured Speaker
Michael B. Gillespie
National Weather Service-Sioux Falls
http://www.weather.gov/siouxfalls

Flood Operations in the National Weather Service
A review of the 2011 flooding in SD and along the Missouri River, as well as an outlook for flooding in 2012. Educational materials that are available on-line and in classroom and ways to get students involved in projects that will help understanding hydrology and NWS operations.

1:30-3:20 pm  Session: 35
Prairie B  Feb. 3, 2012

Repeat of #70

Grade Level: K-8

Featured Speaker
Lesa M. Clarkson
University of Minnesota

Accessing Algebra
Participants will explore algebraic thinking through the investigation of patterns. Activities will focus on transitioning students from arithmetic to algebra.
Friday  1:30 pm

1:30-2:20 pm  Session:  36
Prairie C      Feb. 3, 2012
Grade Level:  9-12

Featured Speaker
Robert V. Stack
Chadron State College

M-M-Modeling: Using M & Ms to Model Mathematics
M & Ms are more than just to eat. Enjoy this session of candy, modeling, and fun.

Friday  1:30 pm

1:30-2:20 pm  Session:  37
Dakota B      Feb. 3, 2012
Grade Level:  6-12

Presenter:  Judy Vondruska
SDSU
http://www.sdstate.edu/phys/index.cfm

The Mayan 2012 Prophecy-
Using Superstition to Teach Math and Science
Learn the story behind the "end of the world" prophecy and how to use this popular myth to teach about science vs superstition. Also learn the mathematics behind the Mayan calendar round.

Friday  1:30 pm

1:30-2:20 pm  Session:  38
Dakota B      Feb. 3, 2012
Grade Level:  6-8

Presenter:  Marie Nehl
McIntosh PSD 15-1

Algebra Tiles and the SMART Board
Participants will be shown how to integrate the use of the SMART Board when teaching integers, expressions and solving equations.

1:30-2:20 pm  Session:  39
Dakota C      Feb. 3, 2012
Grade Level:  6-12

Presenter:  Dr. Miles Koppang
& Paul R. Kuhlman
USD & Avon School

Strategies and Activities for Sustainability of Math and Science Teacher Enhancement Efforts
This session is intended for the participants of the USD Title II Science and Math Teacher Enhancement courses administered through grants by the South Dakota Board of Regents. We will explore the sustainability of these programs as well as the long term effects of these courses and their impact on the classroom.
<table>
<thead>
<tr>
<th>Friday</th>
<th>1:30 pm</th>
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<tbody>
<tr>
<td>1:30-2:20 pm</td>
<td>Session: 40</td>
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<tr>
<td>Dakota D</td>
<td>Feb. 3, 2012</td>
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<tr>
<td>Grade Level: 9-12</td>
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<tr>
<td>Presenter: Dr. Janeen J. Outka &amp; Jodi Stoddardherber</td>
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<td>EDEC/MidCentral Coop</td>
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</table>

**When Will I Ever Use This Stuff?**
If you've heard this from your students, this session is for you. Participants will discover how to relate math and science courses to real world success by using SDMyLife to showcase careers associated with math and science skills. Lesson plans included, so you'll be ready to do this at home.

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<tr>
<th>Friday</th>
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<tr>
<td>1:30-2:20 pm</td>
<td>Session: 41</td>
</tr>
<tr>
<td>Dakota E</td>
<td>Feb. 3, 2012</td>
</tr>
<tr>
<td>Grade Level: K-5</td>
<td></td>
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<tr>
<td>Presenter: Mary A. Graupmann &amp; Nancy J. Weller</td>
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<tr>
<td>Kadoka Area Schools</td>
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</table>

**Learning Math Through Dot Cards**
Dot cards are a fun and exciting tool to use every day in the classroom. They have been scientifically proven to develop a visual understanding of numbers.

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<tr>
<th>Friday</th>
<th>1:30 pm</th>
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<tr>
<td>1:30-2:20 pm</td>
<td>Session: 42</td>
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<tr>
<td>Dakota F</td>
<td>Feb. 3, 2012</td>
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<tr>
<td>Grade Level: 6-8</td>
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<tr>
<td>Presenter: Jan Martin</td>
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<tr>
<td>SD DOE</td>
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</table>

**Are South Dakota's 8th Graders Still at the Head of the Class in Math?**
2011 NAEP results for grade 8 Math will be shared along with student and teacher questionnaires data. Comparisons between NAEP and DSTEP will be discussed. Time will be spent on released items and their use for classroom instruction along with connections to Common Core.

<table>
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<th>Friday</th>
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<tr>
<td>1:30-2:20 pm</td>
<td>Session: 43</td>
</tr>
<tr>
<td>Dakota G</td>
<td>Feb. 3, 2012</td>
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<tr>
<td>Grade Level: All</td>
<td></td>
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<tr>
<td>Presenter: Samuel D. Shaw</td>
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<tr>
<td>SD DOE</td>
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</table>

**Next Generation Science Standards (K-12)**
This session will provide an understanding of the Framework for K-12 Science Education developed by the NRC. Also, an update will be given on the development of the Next Generation Science Standards.
Friday 1:30 pm

1:30-2:20 pm  Session:  44
Dakota H  Feb. 3, 2012

Grade Level:  6-12

Presenter:  Sharon Rendon,
Sally Heberlein,
& Becky Umenthum
Rapid City Area Schools

Using Performance Tasks to Assess Student Learning
Learn how to use performance tasks to assess student learning in both mathematical content and practices. Come ready to complete performance tasks and analyze student work samples at the middle and high school levels.

Special Thanks go to our technology partners:

TIE
Connecting Point Workplace Technology Center

Friday 2:30 pm

2:30-3:20 pm  Session:  45
Prairie A  Feb. 3, 2012

Repeat of #82

Grade Level:  All

Featured Speaker
Jon Richards
The SETI Institute
http://setiquest.org

SETI (Search for Extraterrestrial Intelligence) Education Program
The SETI institute was founded with a mission to explore, understand and explain the nature of prevalence of life in the universe. This will be an overview of the educational outreach resources the SETI Institute can provide. The ASSET program—Six days of instruction and activities in Astrobiology, with travel, room and board provided. 3 graduate credits through San Francisco State University are available. Kepler Ambassador Program—SOFIA is an airborne observatory that will study the universe in the infrared spectrum. The ambassador program funds educators from all over the country to come to California and fly on a science mission. Voyages Through Time is a one-year high school integrated science curriculum centered on the theme of evolution, comprised of six modules. The Life in the Universe curriculum is a unique set of resources, for elementary and middle school teachers, designed to bring the excitement of searching for life beyond Earth into the classroom.
### Friday 2:30 pm

<table>
<thead>
<tr>
<th>Session: 46</th>
<th>Grade Level: 9-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:30-3:20 pm</td>
<td>Feb. 3, 2012</td>
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<tr>
<td>Prairie C</td>
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**Featured Speaker**

Robert V. Stack  
Chadron State College

**E = mc²: Experimenting with Measurement, Cookies and Counting**  
This session will tempt your tastebuds while giving some delicious methods for data analysis and counting.

<table>
<thead>
<tr>
<th>2:30-3:20 pm</th>
<th>Session: 47</th>
<th>Grade Level: All</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dakota A</td>
<td>Feb. 3, 2012</td>
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</table>

**Presenter:** Nola Redmond  
**Beginning ActiveInspire**

Promethean ActiveInspire version 1.6 now supports formulae. Come and see the new features! Also, find out about the Houghton Mifflin – Promethean math partnership. Questions welcome.

### Friday 2:30 pm

<table>
<thead>
<tr>
<th>Session: 48</th>
<th>Grade Level: K-5</th>
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<tbody>
<tr>
<td>2:30-3:20 pm</td>
<td>Feb. 3, 2012</td>
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<tr>
<td>Dakota B</td>
<td></td>
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</table>

**Presenter:** Marie Nehl  
McIntosh PSD 15-1

**Quick Set-up and Use of the SMART Board Smart Response System**

If you don't think you have the time to use a SMART Response system, I'll show you how to set up and be using it in the classroom in under an hour.

<table>
<thead>
<tr>
<th>2:30-3:20 am</th>
<th>Session: 49</th>
<th>Grade Level: 6-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dakota C</td>
<td>Feb. 3, 2012</td>
<td></td>
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</table>

**Presenter:** Steven Rokusek  
SD Public Broadcasting  
http://www.sdpb.org/edu/

**NEW Science and Math Resources from PBS & SDPB**

During this session participants will learn about PBS LearningMedia. It is your destination for easy, instant access to thousands of classroom-ready, digital resources including videos and interactives perfect for the Interactive Whiteboard, plus audio and photos, and even in-depth lesson plans. Best of all, it is free for educators.

### Next Year’s Conference is

February 7, 8, and 9, 2013!
Friday  2:30 pm

2:30-3:20 pm  Session:  50
Dakota D   Feb. 3, 2012
Grade Level:  6-8
Presenter:  Christine L. Larson
          SDSU
A Deeper Understanding of Fractions
Various activities will provide teachers with help in teaching adding, subtracting, multiplying, and dividing fractions, and to make these difficult concepts more concrete.

2:30-3:20 pm  Session:  51
Dakota E   Feb. 3, 2012
Grade Level:  K-5
Presenter:  Marie L. Steckelberg, EdD
          & Kristie Maher
          SD Discovery Center
          http://www.sd-discovery.com
Direct Connect:
       You, Your Students and NASA
Ever wanted to bring a NASA expert directly into your classroom? Now you can!! Experience the Digital Learning Network. It provides STEM activities and connects students and teachers with NASA experts and education specialists using online communication technologies like video/web conferencing and webcasting. A live connection will be made during the presentation.

Friday  2:30 pm

2:30-3:20 pm  Session:  52
Dakota F   Feb. 3, 2012
Grade Level:  6-8
Presenter:  Curt Olson
          Augustana College
Exploding Dots, Antidots, and Black Holes
We will explore several machines that enable us to represent positive integers and some other real numbers in interesting ways.

2:30-3:20 pm  Session:  53
Dakota G   Feb. 3, 2012
Grade Level:  All
Presenter:  Kenneth Emo and others
          SDSU
K-12 Connections:  Creating a Community of STEM Educators
Ken Emo, Larry Browning, Sharon Vestal, Matt Miller, Madhav Nepal, Judy Vondruska and David Cartrette will discuss the Institute for STEM Education Enhancement. It will outline a vision for collaborative efforts to strengthen STEM education in South Dakota. Join the conversation and provide your input in developing new partnerships.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Description</th>
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<tbody>
<tr>
<td>2:30 pm</td>
<td>54</td>
<td><strong>Common Core State Standards Progress</strong></td>
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<td>Overview of Common Core Standards and future expectations for</td>
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<td>implementation and assessment. Plus Q &amp; A time.</td>
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<tr>
<td>2:30-3:20 pm</td>
<td>55</td>
<td><strong>Emporium Mathematics at USD</strong></td>
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<td>I'll describe and recap what any student taking Basic Algebra (Math 021),</td>
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<td>Intermediate Algebra (Math 101) &amp; College Algebra (Math 102) will encounter</td>
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<td>at USD. Philosophies behind the model will also be discussed.</td>
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<tr>
<td>3:30-4:20 pm</td>
<td>56.5</td>
<td>**The Atomsmith Classroom: Using 3D Technology to Change the Way Students</td>
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<td>See Chemistry**</td>
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<td>As a chemistry teacher, you have images and &quot;movies&quot; of atoms and molecules</td>
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<td>in your head when teaching concepts such as atomic structure, bonding,</td>
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<td>periodic trends and the gas laws. The Atomsmith Classroom’s physics-based</td>
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<td>3D models bring these images to life and allow your students to conduct</td>
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<td>experiments on them.</td>
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<td></td>
<td><strong>Reading with Raptors</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Integrate science, math, and reading using grade appropriate literature.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Live birds of prey are present to help illustrate the stories.</td>
</tr>
</tbody>
</table>

**Black Hills Raptor Center**

Wildlife education featuring birds of prey, correlated to your curriculum.

Sterilized owl pellets for sale from our own owls: $1 per pellet plus shipping.

PO Box 9713, Rapid City, SD 57709
605-331-7537  info@blackhillsraptorcenter.org
www.blackhillsraptorcenter.org

**Black Hills Raptor Center**

Integrate science, math, and reading using grade appropriate literature. Live birds of prey are present to help illustrate the stories.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Grade Level</th>
<th>Presenter</th>
<th>Presentation Title</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30-4:20 pm</td>
<td>57</td>
<td>9-12</td>
<td>Allison Hutchinson &amp; Christy Carlson</td>
<td>Knowledge + Experience = Project Lead the Way</td>
<td>Give your students an experience by becoming a PLTW Innovation Zone. Come and learn more about this unique and challenging curriculum.</td>
</tr>
<tr>
<td>3:30-4:20 pm</td>
<td>58</td>
<td>K-8</td>
<td>Liz McMillan</td>
<td>The Goo Inside You</td>
<td>Simple DNA extraction &amp; identification technique to introduce students to DNA. Extraction from fruit and your cheek cells.</td>
</tr>
<tr>
<td>3:30-4:20 pm</td>
<td>59</td>
<td>9-12</td>
<td>Cindy Kroon</td>
<td>Fun and Games in Geometry!</td>
<td>Do your students love worksheets? (Then this session is not for you.) Sing, dance, and play games designed to maximize student learning. Come prepared to participate!</td>
</tr>
<tr>
<td>3:30-4:20 pm</td>
<td>60</td>
<td>K-5</td>
<td>Micheline A. Nelson</td>
<td>Alternative Algorithms: Different Cultures-Different Procedures</td>
<td>Teachers and students often believe that algorithms are &quot;the way&quot; instead of &quot;a way.&quot; Is there a better way? Who decides? Computation algorithms through cultures. Solving correctly and officially.</td>
</tr>
</tbody>
</table>

Don't forget the business meetings: Science—Dakota G
Math—Dakota C
Direct Connect:  
**You, Your Students and NASA**  
Ever wanted to bring a NASA expert directly into your classroom? Now you can!! Experience the Digital Learning Network. It provides STEM activities and connects students and teachers with NASA experts and education specialists using online communication technologies like video/web conferencing and webcasting. A live connection will be made during the presentation.

**Activities for the Advanced Algebra Classes**  
The session demonstrates organized factoring, using a flow chart to determine nature of roots of a quadratic equation, TI graph paper, Japanese quadratic formula and several TI-84 activities.
Friday 4:30 pm

Please attend one of the business meetings. If you aren't a member of either organization, you are welcome anyway. Maybe you will decide to join.

4:30-5:30 pm  Session: 64
Dakota C  Feb. 3, 2012
Grade Level: All

Facilitator: Jay Berglund
SDCTM President

SDCTM Business Meeting
This meeting is for all members of SDCTM and anyone interested in joining our organization.

Friday 6:30 pm

6:30-  Session: 66
Prairie A, B, C  Feb. 3, 2012
Grade Level: All

BANQUET

Speaker: Jon Richards
The SETI Institute

Is There Life in Outer Space?
Jon Richards works at the SETI Institute and the Allen Telescope Array (the ATA) in Northern California. His job is to aid the search for intelligent signals from outer-space. How does this all fit in with alien and UFO sightings? Jon will discuss how the ATA works and how it is used to search for signals. He will talk about what types of intelligent signals they are looking for, if any signals have been discovered and what happens if a signal is detected.

See you tomorrow for more great speakers.

Presidential Awardees—see you at breakfast. 7 am in the Salon.
Saturday 7:00 am

7:00-8:00 am  Session: 67
Salon II  Feb. 4, 2012

Grade Level: All Awardees

Presenter: Diana McCann & Ramona Lundberg
Presidential Award Program Coordinators

Presidential Awardee Breakfast
All past and present math and science awardees including this year's finalists are invited to join us for breakfast.

Saturday 8:00 am

8:00-8:30 am  Session: 68
Dakota G  Feb. 4, 2012

COSMIC MATH

Grade Level: Cosmic Math Summer
Participants only

Facilitator: Larry M. Browning
SDSU

Cosmic Math I: Paperwork
This session is for participants of Cosmic Math 2011 to fill out some needed paperwork for this Title II sponsored summer institute.

Next Year's Conference is February 7, 8, and 9, 2013!

Saturday 8:30 am

8:30-9:20 am  Session: 69
Prairie A  Feb. 4, 2012

Repeat of #23

Grade Level: All

Featured Speaker
Gene Bormann
US Army Corps of Engineers

Affects of the 2011 Missouri River Flood
Several aspects of the 2011 flood will be discussed with special emphasis placed on the effects on wildlife.

8:30-10:20 am  Session: 70
Prairie B  Feb. 4, 2012

Repeat of #35

Grade Level: K-8

Featured Speaker
Lesa M. Clarkson
University of Minnesota

Accessing Algebra
Participants will explore algebraic thinking through the investigation of patterns. Activities will focus on transitioning students from arithmetic to algebra.
### Session 71: Saturday 8:30 am

**8:30-9:20 am**  
Prairie C  
Feb. 4, 2012  
Repeat of #13  

**Grade Level:** 9-12  

**Featured Speaker**  
Robert V. Stack  
Chadron State College

**"Real" Data Comparisons:**  
Game Theory and Operations  
Research in the Game of Softball

During this session, game theory in the sports of softball and baseball will be discussed.

### Session 72: Saturday 8:30 am

**8:30-9:20 am**  
Dakota A  
Feb. 4, 2012  

**Grade Level:** All

**Presenter:** Gary L. Yarrow  
SDSU

**A Primer on the Safe Handling: Use and Storage of Hazardous Chemicals**  
The SDSU Environmental Health & Safety Office is responsible for guidelines and regulations on the safe handling, storage and use of hazardous chemicals. The safe use of such materials will be discussed emphasizing how K-12 schools may apply such guidelines.

### Session 73: Saturday 8:30 am

**8:30-9:20 am**  
Dakota B  
Feb. 4, 2012  

**Grade Level:** 6-12

**Presenter:** Sharon Rendon  
& Julie Jackson  
Rapid City Area Schools

**Algebra Tiles I**  
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.

### Session 74: Saturday 8:30 am

**8:30-9:20 am**  
Dakota C  
Feb. 4, 2012  

**Grade Level:** 6-12

**Presenter:** Steven Rokusek  
SD Public Broadcasting  
http://www.sdpb.org/edu/

**Science Demonstrations II**  
During this session participants will review classic science demonstrations and activities, including the mapping of the cones in the eye and the effect of weight variation on terminal velocity. The demonstrations are accompanied by video segments and online interactives. The activities are designed for multiple learning styles and are available free of charge.
TaxiCab Geometry: ICTM Oval Topic Class AA
Come for a ride with us as we explore Taxicab Geometry. This is a topic that requires the student to develop much of the material, based on Eugene F. Krause’s book “Taxicab Geometry: An Adventure in Non-Euclidean Geometry.

My talk will introduce the topic and share my experiences with the ICTM High School Math Contest. This would be a good topic for an Algebra II class as well as a high school precalc class.

Math Through Templates
Construct your daily math lesson through the use of templates. Makes your math lesson run smoother and allows for differentiated learning.

Cosmic Math II: TI-Nspire CAS CX
Bring your TI-Nspire CAS CX to this session to learn how Bob Schuh has been using his in his classroom.

Have you met our featured speakers?
Gene Bormann
Lesa Clarkson
Mike Gillispie
Jon Richards
Robert Stack
### Saturday 8:30 am

**8:30-9:20 am**  
**Dakota H**  
**Feb. 4, 2012**  
**Session: 79**  
Repeat of #56  

**Grade Level:** 9-12  
**Presenter:** David C. Doherty  
**Bitwixt Software Systems**  
http://www.bitwixt.com

**The Atomsmith Classroom: Using 3D Technology to Change the Way Students See Chemistry**  
As a chemistry teacher, you have images and "movies" of atoms and molecules in your head when teaching concepts such as atomic structure, bonding, periodic trends and the gas laws. The Atomsmith Classroom's physics-based 3D models bring these images to life and allow your students to conduct experiments on them.

### Saturday 8:30 am

**8:30-9:20 am**  
**Salon II**  
**Feb. 4, 2012**  
**Session: 81**  

**Grade Level:** All  
**Presenter:** Diana McCann  
& Ramona Lundberg  
**SD PAEMST 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.

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

**We need your input to make next year even better!**

**Next Year’s Conference is February 7, 8, and 9, 2013!**
Saturday 9:30 am

9:30-10:20 am  Session:  82
Prairie A   Feb. 4, 2012
Repeat of #45

Grade Level:  All

Featured Speaker
Jon Richards
The SETI Institute
http://setiquest.org

SETI (Search for Extraterrestrial Intelligence) Education Program
The SETI institute was founded in 1984 with a mission to explore, understand and explain the nature of prevalence of life in the universe. This talk will present an overview of the various educational outreach resources the SETI Institute can provide. The ASSET program--Six days of instruction and activities in Astrobiology, with travel, room and board provided. 3 graduate credits through San Francisco State University are available. Kepler Ambassador Program--SOFIA is an airborne observatory that will study the universe in the infrared spectrum. The ambassador program funds educators from all over the country to come to California and fly on a science mission. Voyages Through Time is a one-year high school integrated science curriculum centered on the theme of evolution, comprised of six modules. The Life in the Universe curriculum is a unique set of resources, for elementary and middle school teachers, designed to bring the excitement of searching for life beyond Earth into the classroom.

Saturday 9:30 am

9:30-10:20 am  Session:  83
Prairie C   Feb. 4, 2012
Grade Level:  9-12

Featured Speaker
Robert V. Stack
Chadron State College

Mathletics:  Not for Spectators
Sports and math go hand-in-hand. This session will explore various applications of mathematics and sports as related to statistics, geometry, and trigonometry.

9:30-10:20 am  Session:  84
Dakota A   Feb. 4, 2012
Grade Level:  9-12

Presenter:  Gary L. Yarrow
SDSU

A Primer on the Safe Disposal of Hazardous Chemicals & Waste
The SDSU Enviornmental Health & Safety Office handles all campus hazardous chemical wastes, usually more than a semi-trailer amount each year. The methods that SDSU uses to characterize, handle and dispose of such materials will be discussed emphasizing ways that K-12 schools may be able to handle such waste materials.
### Saturday 9:30 am

9:30-10:20 am  
Dakota B  
Feb. 4, 2012

**Grade Level:** 6-12

**Presenter:** Sharon Rendon & Julie Jackson  
Rapid City Area Schools

**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.

<table>
<thead>
<tr>
<th>Session</th>
<th>9:30-10:20 am</th>
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<tbody>
<tr>
<td>85</td>
<td>Dakota B</td>
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<td>86</td>
<td>Dakota C</td>
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<td>87</td>
<td>Dakota D</td>
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<td>88</td>
<td>Dakota E</td>
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</tbody>
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9:30-10:20 am  
Dakota C  
Feb. 4, 2012

**Grade Level:** K-5

**Presenter:** Jan Martin  
SD DOE

**Grade 4 Students and Their Understanding of Science--Using NAEP Released Items for Classroom Research**
The NAEP 2009 released items for grade 4 science can provide useful classroom information for grades 3-5. Results of a small research project done in 2011 with 4th graders reveal strengths as well as gaps in elementary science. Student work will be examined including student's perceptions of scientists.

9:30-10:20 am  
Dakota D  
Feb. 4, 2012

**Grade Level:** 9-12

**Presenter:** Pat Wenzel  
Holt McDougal

**Going Digital in High School Math**
Looking for digital resources for your eReaders (iPad, Kindle, Nook) and interactive Whiteboards? Check out Holt McDougal digital offerings including the Pad Fuse app for algebra, geometry & algebra 2. Door prizes and complimentary resources.

9:30-10:20 am  
Dakota E  
Feb. 4, 2012

**Grade Level:** All

**Presenter:** Samuel D. Shaw  
SD DOE

**Next Generation K-12 Science Standards**
This session will provide an understanding of the Framework for K-12 Science Education developed by the NRC. Also, an update will be given on the development of the Next Generation Science Standards.
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<th>Saturday</th>
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<tr>
<td>9:30-10:20 am</td>
<td>Session: 89</td>
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<td>Dakota F</td>
<td>Feb. 4, 2012</td>
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<tr>
<td>Grade Level: 9-12</td>
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<tr>
<td><strong>Facilitators:</strong> Matt Miller &amp; Larry Browning</td>
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<td>SDSU</td>
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<td><strong>Meet the New Teachers</strong></td>
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<td>Prospective science and math teachers will engage veteran teachers in a conversation about teaching and what they can do to prepare.</td>
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<td>Dakota G</td>
<td>Feb. 4, 2012</td>
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<td>Grade Level: 6-12</td>
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<tr>
<td><strong>Presenter:</strong> Christine L. Larson</td>
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<td>SDSU</td>
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<tr>
<td><strong>Cosmic Math III: Using Algebra Tiles for a Better Understanding of Algebra</strong></td>
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<td>Teachers will explore using Algebra Tiles to teach various algebraic concepts. Manipulatives provide students with a deeper understanding of algebra by making abstract concepts more concrete</td>
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<td>9:30-10:20 am</td>
<td>Session: 91</td>
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<td>Dakota H</td>
<td>Feb. 4, 2012</td>
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<td>Grade Level: K-5</td>
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<tr>
<td><strong>Presenter:</strong> Lori L. Stverak &amp; Jaime M. Bell</td>
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<td>Sioux Falls School District</td>
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<td><strong>Teaching the Common Core through Cognitively Guided Instruction</strong></td>
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<td>The Common Core contains 8 Standards for Mathematical Practice. We will demonstrate how to use Cognitively Guided Instruction (CGI) to teach these standards. CGI increases teachers’ understanding of the knowledge that students bring to the math learning process. We will also provide classroom-ready activities.</td>
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<td>9:30-10:20 am</td>
<td>Session: 92</td>
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<tr>
<td>Symposium</td>
<td>Feb. 4, 2012</td>
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<td>Grade Level: 6-12</td>
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<td><strong>Presenter:</strong> William J. Kliche</td>
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<td>SD DOE</td>
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<td><strong>Understanding the 8 Standards for Mathematical Practice in Common Core Standards</strong></td>
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<td>Provide a consolidated overview of the 8 Standards for Mathematical Practice workshops delivered statewide to expose math teachers to the 8SMP and Common Core.</td>
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</table>
Saturday 10:30 am

10:30-11:20 am  Session: 93
Prairie A  Feb. 4, 2012
Repeat of #11

Grade Level: All

Featured Speaker
Jon Richards
The SETI Institute
http://setiquest.org

Lab: Kepler Spacecraft
NASA's Kepler spacecraft is now in operation concentrating on 150,000 stars in a 10x10 degree area of the sky. This session will be a review of NASA's Kepler Mission, how it works, and the related teaching materials from the SETI Institute. The Kepler mission seeks Earth-size planets around other stars. The mission's job is to find places where life, as we know it, is possible. This presentation will excite educators about the very active search for habitable planets. There is not much that is cooler than planet hunting! Educators will be able to carry this excitement into the classroom. There will be several hands-on activities that illustrate how Kepler detects planets orbiting stars that are hundreds of light years from earth.

Saturday 10:30 am

10:30-11:20 am  Session: 94
Dakota A  Feb. 4, 2012

Grade Level: 6-12

Presenter: Carla L. Diede
LWC Middle School
http://sites.google.com/site/diedemath

Flipped Instruction
What could you do with more time in your classroom? When students watch lectures at home, they come to class prepared to interact with the new concepts they are learning. Come see how one teacher makes flipped instruction work and gain ideas for how to utilize this form of instruction.

10:30-11:20 am  Session: 95
Dakota B  Feb. 4, 2012

Grade Level: 6-12

Presenter: Joan M. Hegerfeld-Baker
SDSU Extension

Food Safety-Teach Science Concepts & Techniques Using Virtual Labs with Food Safety Applications
Explore an on-line curriculum-includes interactive virtual labs with a real life application of food safety to teach basic science concepts and expose students to related career paths. Research regarding effectiveness of using the labs in SD classrooms conducted by Science & Ag teachers in SD and SDSU.
<table>
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<th>Saturday</th>
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<td>10:30-11:20 am</td>
<td>Session: 96</td>
<td>10:30-11:20 am</td>
<td>Session: 98</td>
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<td>Grade Level: 6-8</td>
<td>Repeat of #41</td>
<td>Grade Level: 6-8</td>
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<tr>
<td>Presenter: Helen L. Schwarting</td>
<td>Presenter: Mary A. Graupmann &amp; Nancy J. Weller</td>
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<td>White River Middle School</td>
<td>Kadoka Area Schools</td>
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<tr>
<td>Many Ways to Introduce Integers</td>
<td>Learning Math Through Dot Cards</td>
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<tr>
<td>Introducing of integers and demonstrating different ways to ensure concrete learning. Use of manipulatives, technology and activities will address several learning modalities and address skills to reach lower level students.</td>
<td>Dot cards are a fun and exciting tool to use every day in the classroom. They have been scientifically proven to develop a visual understanding of numbers.</td>
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<td>10:30-11:20 am</td>
<td>Session: 97</td>
<td>10:30-11:20 am</td>
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<td>Grade Level: 9-12</td>
<td>Grade Level: 6-12</td>
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<tr>
<td>Presenter: Dave Martin</td>
<td>Presenter: Pete Vitiello</td>
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<td>Cheyenne-Eagle Butte HS</td>
<td>The Sanford PROMISE</td>
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<tr>
<td>Is the Die Fair?</td>
<td>South Dakota and the Biotech Future</td>
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<td>The participants will use experimental and theoretical probabilities to determine the &quot;fairness&quot; of dice. They will use patterns to create &quot;unfair&quot; dice.</td>
<td>A discussion of South Dakota's Biotech industry, innovations, and growth of the research workforce.</td>
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</tbody>
</table>
Saturday 10:30 am

10:30-11:20 am Session: 100 Dakota G Feb. 4, 2012
COSMIC MATH

Grade Level: 6-12

Presenter: Larry M. Browning
SDSU

Cosmic Math IV: Building Angle Bows
During this session, participants will build angle bows to measure angles subtended by various objects. Radians and degrees will be discussed.


Grade Level: K-5

Presenter: Julie Olsen
Mitchell HS

Zoom Science: Chemistry
Made a color changing chameleon, slime, and a secret cola recipe.

Saturday 10:30 am

10:30-11:20 am Session: 102 Symposium Feb. 4, 2012

Grade Level: 9-12

Presenter: Janelle A. Anderson
SDSU

Combining Science and Music
Not all students are logical scholars naturally drawn to the scientific field. How do we as teachers cross into a creative mind to instil logical thinking too? This presentation is an in depth analysis on connecting students to science who are not naturally inclined to do so.

Saturday NOON

Noon-1:00 pm Session: 103 Prairie A, B, C Feb. 4, 2012

Grade Level: All

Facilitators: Molly TenBroek & Jay Berglund
SDSTA President & SDCTM President

LUNCH
Announcements Door Prizes

Next Year’s Conference is
February 7, 8, and 9, 2013!
Saturday  1:00 pm

1:00-1:50 pm  Session:  103.5
Prairie B   Feb. 4, 2012
Repeat of #56.5

Grade Level:  K-5

Presenter:  John Halverson
& Maggie Engler
Black Hills Raptor Center
http://blackhillsraptorcenter.org

Reading with Raptors
Integrate science, math, and reading using grade appropriate literature. Live birds of prey are present to help illustrate the stories.

Saturday  1:00 pm

1:00-1:50 pm  Session:  104
Dakota A   Feb. 4, 2012

Grade Level:  6-12

Presenter:  Marvin E. Gamble
USD
http://www.usd.edu/~mgamble

Mental Math: Exercising the Mind
My secrets in making mental math easier and using the difference of squares to multiply. How to encourage students to use mental math.

1:00-1:50 pm  Session:  105
Dakota B   Feb. 4, 2012

Grade Level:  6-12

Presenter:  Liz McMillan
& Pete Vitiello
The Sanford PROMISE
http://sanfordresearch.org

The Sanford Promise: Opportunities for students & teachers
Learn about biomedical research in the region and how you and your students can participate in learning the techniques of scientific research. Educator workshops in PBL & research and student programs including the Life Science Discovery Program at the Washington Pavilion.

1:00-1:50 pm  Session:  106
Dakota C   Feb. 4, 2012

Grade Level:  K-5

Presenter:  Jan Martin
SD DOE

How Do South Dakota's 4th Graders Compare to the Nation in Math?
2011 NAEP results for grade 4 Math will be shared along with student and teacher questionnaires data. Comparisons between NAEP and DSTEP will be discussed. Time will be spent on released items and their use for classroom instruction along with connections to Common Core.
Fun and Games in Geometry!
Do your students love worksheets? (Then this session is not for you.) Sing, dance, and play games designed to maximize student learning. Come prepared to participate!

Environmental Literacy Plan
Listening Session
Environmental literacy is the ability to understand and act upon environmental issues. This session will capture your input as to what should go into a plan to develop the environmental literacy of South Dakota's pre-K to Grade 12 students.

Radiation Kits for Classroom Use
The North Central Chapter of the Health Physics Society offers a radiation kit to teachers that includes a 6 digital Vernier radiation monitors, Lab Pro interfaces, software, manual, and radiation sources.

Cosmic Math V: Angles, Distances, Radii
Angle bows constructed in a previous session) will be used to measure length of cars, height of stairs, and separation of stars. Other methods will also be illustrated.
Engage Students in Deep Practice to Accelerate Algebra Readiness
How do we get our students to practice what they’ve learned? Perhaps more importantly, practice better? Deep practice is the way; revealed in the book The Talent Code, we’ll explore how technology can accelerate math skills acquisition to achieve algebra readiness through deep practice with First in Math. Free classroom team for attendees!

Using GeoGebra in the Algebra Classroom
GeoGebra is downloadable freeware that allows users to graph, analyze, and manipulate algebraic functions (among other things). This presentation will introduce basic GeoGebra graphing and manipulation tools for a high school algebra course. To get started, access GeoGebra.org.

Demos at Your Own Risk
Lst year we melted the carpet. Come this year and see what we can melt.

Cosmic Math VI: Building and Using a Sundial
Learn about the motions of the sun throughout the year and how those motions can be used to create a time-telling device called a sundial.
Saturday 3:00 pm

3:00-3:50 pm  Session: 115
Dakota C  Feb. 4, 2012

Grade Level: All

Facilitator: Jay Berglund
SDCTM President
http://www.sdctm.org

Math Follow Up
This is a chance to share your reflections on the sessions you attended at the conference.

Saturday 4:00 pm

4:00-????  Session: 117
Board Room  Feb. 4, 2012

Facilitator: Jean Gomer
Conference Coordinator

Joint Board Meeting

Next Year’s Conference is
February 7, 8, and 9, 2013!

Saturday 3:00 pm

3:00-3:50 pm  Session: 116
Dakota G  Feb. 4, 2012

Grade Level: All

Facilitator: Molly TenBroek
SDSTA President
http://www.sdsta.org

Science Follow Up
This is a chance to share your reflections on the sessions you attended at the conference.