

Program for 2007 Joint Conference

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 Thursday night sharing session is required to earn credit from Dakota Wesleyan University. There will be personnel available to register you for the credit on Thursday night from 7:00 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.

Thursday

7 pm

7:00-9:00 pm

Dakota B

Grade Level: K-C

Session: 1

Feb. 1, 2007

Speaker (s): Micheline Hickenbothem
SDSTA President

Title: Science Sharing Sesion

Sharing lessons and activities will be the focus of this session. Bring 25 copies of your favorite activity or lesson.

7:00-9:00 pm

Dakota C

Grade Level: K-C

Session: 2

Feb. 1, 2007

Speaker (s): Bill Gripentrog
SDCTM President

Title: Math Sharing Session

Sharing lessons and activities will be the focus of this session. Bring 25 copies of your favorite activity or lesson.

Friday

8:30 am

8:30-4:20

Mobile Science Lab

Grade Level: K-12

Session: 3

Feb. 2, 2007

Speaker (s): Jerry Opbroek
SD Mobile Science Lab

Title: Mobile Science Lab

The SD Mobile Science Lab will be available for walk-through visits on Friday (all day) and Saturday (morning). Teachers can observe some of the equipment and lab activities available on the MSL. Teachers can also obtain information about getting the MSL to their school.

8:30-9:20

Dakota B

Grade Level: K-C

Session: 4

Feb. 2, 2007

Speaker (s): Mike Barondeau
Edmunds Central School

**Title: 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 demonstrations. This session is limited to 12 and will cost each participant \$15 at the door for materials. Go to <http://mb045.k12.sd.us/Ideas/Bbboard.htm> to see what you will make.

Friday 8:30 am

8:30-9:20 Session: 5
Dakota C Feb. 2, 2007

Repeat of #108

Grade Level: K-2

Speaker (s): Marcy Farrand
Wilson Elementary-Rapid City

Title: **How to Quickly and Easily Assess a Child's Working Number**

This session will present a quick and easy way to find out where a primary child is with working with basic facts. Activities with little prep time or materials will be shown that help improve this newly found working number.

8:30-9:20 Session: 6
Dakota D Feb. 2, 2007

Grade Level: 5-7

Speaker (s): Betsy L. Schamber
Madison Middle School

Title: **Spectacular Cells!**

A compilation of hands-on, student & teacher friendly activities that can be used to teach about cells.

8:30-9:20 Session: 7
Dakota E Feb. 2, 2007

Grade Level: 8-12

Speaker (s): Lonnie Bellman
CPM Educational Program

Title: **Looking for a Standards-Based Curriculum? CPM May Be Your Answer.**

Participants will explore one of the US Department of Education "Exemplary" programs. Philosophy, professional development and hands-on activities will make up the presentation.

Friday 8:30 am

8:30-9:20 Session: 8
Dakota F Feb. 2, 2007

Grade Level: 6-12

Speaker (s): Lisa Gustafson
Holt, Rinehart, & Winston

Title: **Holt Mathematics and TI-Navigator/TI-Smartview**

A hands-on session making it even easier to use TI Technology in your classroom: Lesson Quizzes with TI-Navigator, Tech-lab prep files and Graphing Calculator Tutorials.

8:30-10:20 Session: 9
Dakota G Feb. 2, 2007

Grade Level: 6-C

Speaker (s): Janet Briggs
BHSU

Title: **Beyond the Solar System**

This program addresses middle-and high-school level astronomy concepts and includes hands-on activities, video descriptions of key concepts, and student interviews highlighting misconceptions. Janet will share part of the "Beyond the Solar System" program from a summer 2006 institute held at the Harvard-Smithsonian Center of Astrophysics. A free DVD will be provided for the first 30 participants.

8:30-9:20 Session: 10
Dakota H Feb. 2, 2007

Grade Level: 6-8

Speaker (s): Chris Larson
SDSU

Title: **Fraction Activities for Elementary Teachers**

Come explore fractions with activities that would be appropriate for elementary children.

Friday 9:30 am

9:30-10:20 **Session: 16**
Dakota E **Feb. 2, 2007**
Grade Level: 5-12

Speaker (s): Lisa Dorschner
SD Agriculture in the Classroom

Title: What the Heck Is Biotech?

Join us as we take a closer look at this ever-changing field. We will bring biotechnology to life and share with you the strategies and activities utilized in our middle school teacher workshop by the same title. Starting with cells and working up to extracting DNA, you will experience a wealth of interactive and hands-on activities. This is a sampling of our workshop funded by a 2005 Monsanto/AITC Consortium grant.

9:30-10:20 **Session: 17**
Dakota F **Feb. 2, 2007**
Grade Level: 8-C

Speaker (s): Larry Browning
SDSU

**Title: Vernier's Wireless Dynamics
Sensor System**

The WKSS measures altitude, force, and accelerations in three dimensions and instantly transfers the data to a computer using Bluetooth technology.

Friday 9:30 am

9:30-10:20 **Session: 18**
Dakota H **Feb. 2, 2007**

Repeat of #83
Grade Level: K-8

Speaker (s): Dianne Miller
SD Project Learning Tree Inc.

Title: No Child Left Inside

PLT has been helping bring quality environmental education into classrooms for over 30 years. Attend this session and access complete online resources to gain a state-of-the-art curriculum resource packed with 96 multi-disciplinary activities each tailored to specific grade levels and learning objectives. Our new guide incorporates the latest innovations in education: reading strategies are embedded within activities, technology connections, assessment strategies, and suggestions for differentiated instruction helping reach students with varying needs and talents.

9:30-11:20 **Session: 19**
Symposium **Feb. 2, 2007**
Grade Level: 9-C

Speaker (s): Gary Hagerty & others
SD Universities

**Title: College Forum: Transition
from High School to College**

Representatives from the mathematics departments of the higher education institutions will discuss topics relating to the transition from high school to college. This year's topics will include: Math requirements for different majors at the various universities, curriculum alignment for college prep classes, and a state math competition for high school students.

Friday

9:30 am

9:30-11:20

Salon

Grade Level: 7-C

Session: 20

Feb. 2, 2007

Speaker (s): Judy Vondruska
SDSU

Title: AstroMath: Sizing the Solar System

Have students use astronomy to learn number sense, ratios, and scaling! This session will focus on developing scale-models of the planets and a scaled representation of the distances in the solar system. These activities are appropriate in both math and science classes. Weather permitting, part of the activity will be done outdoors.

9:30-11:20

Tour Bus

Grade Level: K-C

Session: 21

Feb. 2, 2007

Speaker (s): Micheline Hickenbotham
BHSU

Title: Field Trip to the Ethanol Plant

Guided tour of the Ethanol Plant to learn about the process of making biodiesel. Limited to 20 participants. Tickets available at the registration table. Transportation provided.

10:30-11:20

Prairie A

Grade Level: 11-12

Session: 22

Feb. 2, 2007

Speaker (s): Darwin Daugaard
Dell Rapids Public HS

Title: Doc's Master Plan-Chemistry

Doc's Master Plan is used to find electron configuration, notation, quantum numbers and help with orbital notation of the elements.

Friday

10:30 am

10:30-11:20

Prairie B

Grade Level: K-12

Session: 23

Feb. 2, 2007

Speaker (s): Samra Trask
Wall School

Title: Literature in Math

Children's books are not just for children any more! Explore fun new ways to incorporate picture books into your math class.

10:30-11:20

Prairie C

Grade Level: 10-C

Session: 24

Feb. 2, 2007

Speaker (s): Harlan J. Heitz
Presentation College

Title: Electron Configuration Bingo

Join us to share in a very simple game of Bingo using electron configurations. You will receive two dozen Bingo cards, complete with configurations.

10:30-11:20

Dakota A

Grade Level: 2-4

Session: 25

Feb. 2, 2007

Speaker (s): Brenda Danielson
Scotland Elementary School

Title: Let's Think About Math

Problem solving strategies and thinking skill activities for the math class.

Friday

1:30 pm

1:30-2:20
Prairie C

Session: 34
Feb. 2, 2007

Repeat of #82

Grade Level: K-C

Speaker (s): Tony Morrow
Education Technology Partners

**Title: Automated Data-Driven Math
Intervention with
Individualized Instruction
for K-Adult**

Learn how students are achieving average gains of 2 grades in math in 10 hours-- without detracting from other studies! Explore effective technology interventions and FREE scientifically based, web delivered professional development resources from the US DOE. Observe the impact on teaching and learning plus the acceleration of math skills acquisition.

1:30-2:20
Dakota A
Grade Level: 7-C

Session: 35
Feb. 2, 2007

Speaker (s): Jay H. Berglund
Gettysburg HS

Title: Introduction to TI-Smart View

Learn how to use TI-Smart View, the TI-84 Plus Graphing Calculator Emulator. TI-SmartView is not just for SMART Boards. Everyone attending will receive a trial version of Smart View. One free copy of Smart View will be given away as a door prize.

Friday 1:30 pm

1:30-2:20 **Session: 36**
Dakota B **Feb. 2, 2007**

Repeat of #86

Grade Level: 1-12

Speaker (s): Angelo Casaburri
& Arnie Lund
NASA/NES School-Kadoka

Title: Robonautics--Humans & Robots

Learn about the robotics features on NASA's Space Shuttle and International Space Station. Explore design challenges for making and using robotic components such as robotic arms, hands, and fingers from inexpensive materials. Education Briefs included.

1:30-2:20 **Session: 37**
Dakota C **Feb. 2, 2007**
Grade Level: K-3

Speaker (s): Jan Deuter
Miller Area School

Title: Math in Motion: Using a White Board

Come see how the white board can be used to demonstrate some difficult math concepts to students by the motion of objects. The demonstrations shown are based on the SD Mathematics Standards for kindergarten through 3rd grade. Handouts, demonstrations, and question/answer time will provide help in the understanding of how powerful this technology is for our 21st century students.

Friday 1:30 pm

1:30-3:20 **Session: 38**
Dakota D **Feb. 2, 2007**

Grade Level: 4-8

Speaker (s): Becky Umenthum
Dakota Middle School, Rapid City

Title: Using Problems to Encourage Algebraic Thinking

Come prepared to work on engaging problems that can be solved in more than one way. Students of different ages and/or abilities will find success with these problems. You'll also learn different ways of putting students in groups and setting up behavior norms.

1:30-2:20 **Session: 39**
Dakota E **Feb. 2, 2007**
Grade Level: 6-8

Speaker (s): Patrick Wenzl
Holt, Rinehart & Winston

Title: Holt High School Science 2008 Launch

Come for the launch of the new 2008 editions of Holt, Rinehart & Winston's high school biology and physical science programs. See a demonstration of Live Ink, a new technology tool for improving reading comprehension in science. Also pick up a new lab idea or two! Complimentary materials! Door prizes!

Friday 1:30 pm

1:30-2:20 **Session: 40**
Dakota F **Feb. 2, 2007**
Grade Level: 9-12

Speaker (s): Jensi Kellogg-Andrus & Lori Keleher
Watertown HS & CORD Communications

Title: PSI-SIM: Simulations for Biology, Chemistry & Physics

Try out 5 new software modules designed to immerse students in a dynamic learning environment that places them in control of their own success. Also enter to win one of the 5 modules to be given away this session.

1:30-2:20 **Session: 41**
Dakota G **Feb. 2, 2007**
Grade Level: 6-C

Speaker (s): Larry Browning
SDSU

Title: Pinhole Cameras and Some Simple Math

Construct and use simple pinhole cameras to illustrate proportional and inverse proportional relationships. This is suitable for both math and science (from AstroMATH 2006 workshop.)

1:30-2:20 **Session: 42**
Dakota H **Feb. 2, 2007**
Grade Level: K-5

Speaker (s): Nancy Barondeau
NSU

Title: K-W-L to T-H-C (and other science writing ideas)

The K-W-L framework has been modified to enhance the scientific learning environment. Other science writing examples will be shared.

Friday 1:30 pm

1:30-2:20 **Session: 43**
Symposium **Feb. 2, 2007**

Repeat of #91
Grade Level: K-C

Speaker (s): Chuck Holmstrom
SDRS Board of Trustees

Title: Your Retirement

Information, questions, and maybe some answers

1:30-4:20 **Session: 44**
Salon **Feb. 2, 2007**
Grade Level: 4-C

Speaker (s): Chad R. Tussing
SD GFP-Project Wild

Title: WILD about Mountain Lions

Come experience some hand-on activities about South Dakota's largest predator. Participants will receive a copy of the mountain lion curriculum guide and CD.

Friday 2:30 pm

2:30-3:20 **Session: 45**
Prairie A **Feb. 2, 2007**

Repeat of #68
Grade Level: K-12

Featured Speaker
Speaker: Carol Greco
MESSENGER Fellow Educator

**Title: Solar System Science/
MESSENGER Mission to Mercury**

Workshop attendees will receive training on MESSENGER Education Modules, inquiry-based, hands-on lessons for grades K-12 and receive suggestions on how to use these lessons in the classroom.

Friday 2:30 pm

2:30-3:20 Session: 46
Prairie C Feb. 2, 2007

Repeat of #89

Grade Level: K-C

Speaker (s): Tony Morrow
Education Technology Partners

Title: **Math & Science--Formative Instruction with Technology for K-Adult**

Learn how students are achieving rapid gains in all subject areas with the A+nyWhere Learning System -- <http://www.amered.com/> This affordable, proven Integrated Learning System provides formative instruction based on diagnostic and prescriptive--SD content standards-aligned assessment. Delivers K-Adult comprehensive content with flexible delivery. Explore effective technology interventions and FREE scientifically-based, web-delivered professional development resources from the US DOE.

2:30-3:20 Session: 47
Dakota A Feb. 2, 2007
Grade Level: K-4

Speaker (s): Brenda Danielson
Scotland Elementary School

Title: **Let's Sing Science**

A collection of songs, poems, and activities to correlate with your science curriculum.

Friday 2:30 pm

2:30-3:20 Session: 48
Dakota B Feb. 2, 2007

Repeat of #94

Grade Level: K-12

Speaker (s): Angelo Casaburri
& Arnie Lund
NASA/NES School-Kadoka

Title: **What's Cooking Onboard the International Space Station**

Eating and drinking are favorite everyday activities on Earth. However, how they are packaged and eaten is greatly affected by the unique microgravity environment of space. Learn about food preparation and menu development for space flight. Educator's Guide included.

2:30-4:20 Session: 49
Dakota C Feb. 2, 2007

Repeat of #102

Grade Level: 8-12

Speaker (s): Sheila McQuade
O'Gorman HS

Title: **Hands-on Geometry Activities**

Who says Play-Doh is for pre-school? In this session, I will share ideas for using Play-Doh and other easily acquired (& affordable) "toys" for Geometry.

2:30-4:20 Session: 49.5
Dakota E Feb. 2, 2007
Grade Level: 6-8

Speaker (s): Patrick Wenzl
Holt, Rinehart & Winston

Title: **Classroom Forensics & Scientific Inquiry**

Enjoy the experience of real-world forensics and experience forensic science techniques designed for the middle school classroom. Complimentary materials! Door Prizes!

Friday 2:30 pm

2:30-3:20 **Session: 50**
Dakota F **Feb. 2, 2007**
Grade Level: 6-12

Speaker (s): Lori Keleher
CORD Communications

Title: Math at Work

Challenge students' mathematics skills with real-life simulations. Receive a free demo-disk and enter to win one of the 5 interactive CD-ROMs to be given away this session!

2:30-3:20 **Session: 51**
Dakota G **Feb. 2, 2007**
Grade Level: 9-C

Speaker (s): James Stearns
SD AAPT

Title: SD-AAPT Photo Contest

Final voting and judging will be taking place on the photos and essays submitted. (Check out the photos in the hall Thursday night and/or Friday and put in your two cents.)

2:30-3:20 **Session: 52**
Dakota H **Feb. 2, 2007**
Grade Level: 5-12

Repeat of #87

Speaker (s): Clark Bennett
USD

Title: South Dakota Science Olympiad

An introduction to South Dakota Science Olympiad. Information about participating in the South Dakota Science Olympiad State Tournament.

Friday 2:30 pm

2:30-3:20 **Session: 53**
Symposium **Feb. 2, 2007**
Grade Level: 7-12

Speaker (s): Richard A. Reid
SDSU

Title: Connecting Math to Careers: SDSU Youth Programs

This presentation will provide an overview of the camps and programs at SDSU designed to expose students to college majors in the Science, Technology, Engineering, and Math disciplines (STEM) and connect those majors to challenging and exciting careers.

Friday 3:30 pm

3:30-4:20 **Session: 54**
Prairie A **Feb. 2, 2007**
Grade Level: 4-12

Speaker (s): Kenneth Graupmann
White River School District

Title: Hands-on Plastic

Learn how to use a free kit of activities from the American Plastics Council. Attendees will be able to order the kit online.

3:30-4:20 **Session: 55**
Prairie C **Feb. 2, 2007**

Repeat of #99

Grade Level: 5-C

Speaker (s): Brant Miller & Robb Winter
SDSM&T

Title: Receive \$5000 to Participate in Research Activities at SDSM&T This Summer

Come get information about the SDSM&T Research Experience for Teachers (RET) program and hear participant accounts of the program's impact on their professional practice.

Friday 4:30 pm

4:30-5:30 **Session: 62**
Dakota C **Feb. 2, 2007**
Grade Level: All

Facilitator: Bill Gripentrog,
President SDCTM

Title: SDCTM Business Meeting

4:30-5:30 **Session: 63**
Dakota G **Feb. 2, 2007**
Grade Level: All

Facilitator: Micheline Hickenbotham,
President SDSTA

Title: SDSTA Business Meeting

Friday 5:00 pm

6:00-7:00 **Session: 64**
Pre-function area **Feb. 2, 2007**
Grade Level: All

Title: RECEPTION

Sponsored by Holt, Rinehart, Winston

Friday 7:00 pm

7:00-9:00 pm **Session: 65**
Prairie A, B, C **Feb. 2, 2007**
Grade Level: K-C

Featured Speaker
Cathy Seeley, Speaker
Past President, NCTM

BANQUET

Saturday 8:30 am

8:30-10:20 Session: 69
Prairie C Feb. 3, 2007
Grade Level: 7-C

Speaker (s): Dr. Rocky VonEye
& Dr. Michael Catalano
DWU

**Title: What Do You Do with
Notebook Computers in the
Mathematics Classroom?**

This session will concentrate on Dr. Catalano's NSF grant and how we acquired our mobile laptop (notebooks) lab. We will also discuss how we incorporate the computers into our daily lesson plans for everything from note taking to application usage and demonstrations. Dr. Catalano will also discuss applications from his College Algebra book that is in the second draft.

8:30-9:20 Session: 70
Dakota A Feb. 3, 2007
Grade Level: K-8

Speaker (s): Gary Hagerty
BHSU

**Title: Curriculum Focal Points:
Why Is This Document
Needed?**

In September 2006, NCTM published a document entitled Curriculum Focal Points for Pre-Kindergarten through Grade 8--A Quest for Coherence. This document is designed to build on the Principles and Standards document (2000). This presentation will be a discussion of why items like quick recall and fluency with standard algorithms are returning to prominence. The discussion will be supported with views from educational psychology.

Saturday 8:30 am

8:30-9:20 Session: 71
Dakota B Feb. 3, 2007

Repeat of #26
Grade Level: K-12

Speaker (s): Angelo Casaburri
& Arnie Lund
NASA/NES School-Kadoka

**Title: Engineering Design
Challenges: Spacecraft
Structures and Thermal
Protection Systems**

The NASA Engineering Design Challenges connects students with the challenges of NASA engineers as they design the next generation of aerospace vehicles. With simple and inexpensive materials, students engage in related design challenges in their classrooms by designing, building, and testing models that meet specified criteria.

8:30-9:20 Session: 72
Dakota C Feb. 3, 2007
Grade Level: 6-8

Speaker (s): Jeremiah Dibley
Pulluin Software

**Title: Videogames in Science
Class?**

Find out how teachers can harness the power of videogames to help students learn science. Get access to 4 videogames designed specifically for the middle school science classroom.

Saturday 9:30 am

9:30-10:20 **Session: 78**
Dakota A **Feb. 3, 2007**
Grade Level: 1-4

Speaker (s): Brenda Danielson
Scotland Elementary School

Title: Do the Math

A series of math activities adaptable to various curriculum skills designed to have children moving and active as they practice math.

9:30-10:20 **Session: 79**
Dakota B **Feb. 3, 2007**
Repeat of #13
Grade Level: K-12

Speaker (s): Angelo Casaburri
& Arnie Lund
NASA/NES School-Kadoka

Title: Make the Sky Your Classroom

Learn how to fly and control airplanes, aircraft, lighter-than-air aircraft and kites by constructing them from locally obtainable and inexpensive materials. Educator's Guide included.

9:30-10:20 **Session: 80**
Dakota C **Feb. 3, 2007**
Grade Level: 9-C

Speaker (s): Kurt Cogswell
SDSU

Title: SDSU Calculus Gateway Exam: What and Why?

The Head of the SDSU Math/Stat Department will explain the Gateway Exam that will be required of all Calculus I students starting Fall 2007. The test is designed to test for elementary algebra and trigonometry skills.

Saturday 9:30 am

9:30-11:20 **Session: 81**
Dakota E **Feb. 3, 2007**
Grade Level: K-C

Speaker (s): Chad R. Tussing
SD GFP-Project Wild

Title: Project WILD

Take part in some hands-on, fun-filled activities from the award-winning Project WILD curricula. Project WILD was designed to teach about fish & wildlife conservation using proven methods that your students will love. Participants who opt to extend their participation to 6 hours via WebCT will receive the free curriculum. Or extend to 15 hours and receive one college credit for \$40.

9:30-10:20 **Session: 82**
Dakota F **Feb. 3, 2007**
Repeat of #34
Grade Level: K-12

Speaker (s): Tony Morrow
Education Technology Partners

Title: Automated Data-Driven Math Intervention with Individualized Instruction for K-Adult

Learn how students are achieving average gains of two grades in Math in 10 hours-- without detracting from other studies! Explore effective technology interventions and FREE scientifically-based, web delivered professional development resources from the US DOE. Observe the impact on teaching and learning plus the acceleration of math skills acquisition.

Saturday 9:30 am

9:30-11:20 Session: 83
Dakota H Feb. 3, 2007

Repeat of #18

Grade Level: K-8

Speaker (s): Dianne Miller
SD Project Learning Tree Inc.

Title: **No Child Left Inside**

PLT has been helping bring quality environmental education into classrooms for over 30 years. Attend this session and complete online resources to gain a state-of-the-art curriculum resource packed with 96 multi-disciplinary activities each tailored to specific grade levels and learning objectives. Our new guide incorporates the latest innovations in education: reading strategies are embedded within activities, technology connections, assessment strategies, and suggestions for differentiated instruction helping reach students with varying needs and talents

9:30-10:20 Session: 84
Symposium Feb. 3, 2007

Grade Level: K-12

Speaker (s): Shannon Kortan
2006 JFME Award

Title: **Japan Fulbright Memorial Fund Award**

Want to go to Japan for free? JFME Award recipients travel with all expenses paid to study the Japanese culture and educational system. Come for more information about applying and for details from my trip in November. The JFME is open to all K-12 educators.

Saturday 10:30 am

10:30-11:20 Session: 85
Dakota A Feb. 3, 2007

Grade Level: K-5

Speaker (s): Jan Martin
SD Dept. of Education

Title: **SD Counts-Best Practices at Work**

The session will provide a brief overview of SD Counts, a K-5 math professional development project. The focus will be on research-based strategies that any teacher can implement in the classroom, so that students can be active learners of mathematics.

10:30-11:20 Session: 86
Dakota B Feb. 3, 2007

Repeat of #36

Grade Level: 1-12

Speaker (s): Angelo Casaburri
& Arnie Lund
NASA/NES School-Kadoka

Title: **Robonautics--Humans & Robots**

Learn about the robotics features on NASA's Space Shuttle and International Space Station. Explore design challenges for making and using robotic components such as robotic arms, hands, and fingers from inexpensive materials. Education Briefs included.

Saturday 10:30 am

10:30-11:20 Session: 87
Dakota C Feb. 3, 2007

Repeat of #52

Grade Level: 5-12

Speaker (s): Clark Bennett
USD

Title: South Dakota Science Olympiad

An introduction to South Dakota Science Olympiad. Information about participating in the South Dakota Science Olympiad State Tournament.

10:30-11:20 Session: 88
Dakota D Feb. 3, 2007

Grade Level: 8-C

Speaker (s): Marvin Gamble
USD

Title: Multiplying Mentally

Different techniques will be discussed on multiplying mentally.

10:30-11:20 Session: 89
Dakota E Feb. 3, 2007

Repeat of #46

Grade Level: K-12

Speaker (s): Tony Morrow
Education Technology Partners

Title: Math & Science--Formative Instruction with Technology for K-Adult

Learn how students are achieving rapid gains in all subject areas with the A+nyWhere Learning System -- <http://www.amered.com/> This affordable, proven Integrated Learning System provides formative instruction based on diagnostic and prescriptive--SD content standards-aligned assessment. Explore effective technology interventions and FREE scientifically-based, web-delivered PD resources from the US DOE.

Saturday 10:30 am

10:30-11:20 Session: 90
Dakota G Feb. 3, 2007

Grade Level: 4-8

Speaker (s): Sheila McQuade
O'Gorman High School

Title: Algebra Tiles

Algebra Tiles are a great tool for teaching algebra. In this session, we will focus on their use in teaching basic algebra skills in upper elementary and junior high.

10:30-11:20 Session: 91
Symposium Feb. 3, 2007

Repeat of #43

Grade Level: K-C

Speaker (s): Chuck Holmstrom
SDRS Board of Trustees

Title: Your Retirement

Information, questions, and maybe some answers.

Saturday 12:00 Noon

12:00-1:00 pm Session: 92
Prairie A, B Feb. 3, 2007

Grade Level:

Speaker (s): Bill Gripenrog
& Micheline Hickenbotham

Title: LUNCH

- Door prizes

Saturday 1:00 pm

1:00-1:50 Session: 93
Prairie B Feb. 3, 2007

Repeat of #12

Grade Level: K-1

Speaker (s): Cynthia Chandler
BHSU

Title: **Why Do Young Children
Count Funny?**

An explanation of how children develop number sense. I will use videos of young children to show how children construct number sense over time.

Saturday 1:00 pm

1:00-1:50 Session: 94
Dakota B Feb. 3, 2007

Repeat of #48

Grade Level: K-12

Speaker (s): Angelo Casaburri
& Arnie Lund
NASA/NES School-Kadoka

Title: **What's Cooking Onboard the
International Space Station**

Eating and drinking are favorite everyday activities on Earth. However, how they are packaged and eaten is greatly affected by the unique microgravity environment of space. Learn about food preparation and menu development for space flight. Educator's Guide included.

Saturday 1:00 pm

1:00-1:50 Session: 95
Dakota C Feb. 3, 2007

Grade Level: K-12

Speaker (s): Lori Keleher, NBCT
Wolsey-Wessington HS

Title: **Moving Education Forward . .
Through National Board
Certification**

National Board Certification, offered through the National Board for Professional Teaching Standards evaluates and encourages quality teaching. Learn more [here!](#)

1:00-1:50 Session: 96
Dakota D Feb. 3, 2007

Grade Level: 7-12

Speaker (s): G-Trog & K-Dog
No affiliation listed to protect their schools

Title: **Mathematical Idol:
Command Performance**

Following on the heels of a "Standing Room Only" crowd last year, this infamous duo returns. In their words, "We've made fools of ourselves in front of our students for years. Now it's time to do it in front of our colleagues." The ability to carry a tune, sing, or have rhythm is NOT a requirement for this session.

1:00-1:50 Session: 97
Dakota E Feb. 3, 2007

Grade Level: 9-12

Speaker (s): Julie Olson
Mitchell HS

Title: **Technology in the Science
Classroom**

What works? Ideas--favorite websites--bring your ideas to share too!

Saturday 1:00 pm

1:00-1:50 **Session: 98**
Dakota F **Feb. 3, 2007**
Grade Level: 6-8

Speaker (s): Dr. Sharon Vestal
SDSU

**Title: Problem Solving in
Grades 6-8**

I will present information gathered from an
NCTM e-workshop.

1:00-1:50 **Session: 99**
Dakota G **Feb. 3, 2007**
Repeat of #55
Grade Level: 5-C

Speaker (s): Brant Miller & Robb Winter
SDSM&T

**Title: \$5000 to Participate in
Research Activities at SDSM&T
This Summer**

Come get information of the SDSM&T
Reasearch Experience for Teachers (RET)
program and hear participant accounts of
the program's impact on their professional
practice.

Saturday 2:00 pm

2:00-3:50 **Session: 100**
Dakota A **Feb. 3, 2007**
Grade Level: K-5

Speaker (s): Jan Martin
SD Dept. of Ed

Title: Algebra--Not Me!!

The session will be focused on strategies
which promote and develop algebraic
thinking at the elementary level. Ways of
representing student thinking and assessing
growth will be explored.

Saturday 2:00 pm

2:00-2:50 **Session: 101**
Dakota B **Feb. 3, 2007**

Repeat of #56
Grade Level: K-12

Speaker (s): Angelo Casaburri
& Arnie Lund
NASA/NES School-Kadoka

**Title: Rocketry-Flight Testing
Newton's Laws**

Learn about the history, scientific principles,
and mathematics of rockets. Instructional
techniques for constructing straw rockets,
industrial-strength paper rockets, and two-
liter water rockets using inexpensive
materials will be investigated. Educator's
Guide included.

2:00-3:50 **Session: 102**
Dakota C **Feb. 3, 2007**

Repeat of #49
Grade Level: 8-12

Speaker (s): Sheila McQuade
O'Gorman HS

**Title: Hands-on Geometry
Activities**

Who says Play-Doh is for pre-school? In
this session, I will share ideas for using
Play-Doh and other easily acquired (&
affordable) "toys" for Geometry.

Saturday 2:00 pm

2:00-2:50 **Session: 103**
Dakota D **Feb. 3, 2007**

Repeat of #57

Grade Level: 6-12

Speaker (s): Cindy Kroon
Montrose HS

Title: Metric Day Madness

Each October 10th the geeks of the world celebrate Metric Day. (10-10 get it!?) Join us for a round of Metric Olympics, an activity to celebrate the day with estimation, measurement, and metric calculations. Activities will be hands-on and feet-on.

2:00-2:50 **Session: 104**
Dakota E **Feb. 3, 2007**
Grade Level: 9-12

Speaker (s): Julie Olson
Mitchell HS

Title: Fitness-the Scientific Way

Use science to encourage students to be more fit. Labs and technology used. Hands-on!

2:00-3:50 **Session: 105**
Dakota F **Feb. 3, 2007**
Grade Level: 7-12

Speaker (s): Dianne Miller
SD Project Learning Tree Inc.

Title: Burning Issues

Attend this session and you will receive a DVD called Burning Issues offering over 14 hours of interactive media for teaching about ecosystems and fire ecology. Five "Ecoventures" include forest, prairie, urban and wildlife habitats. This DVD includes a photo glossary of mammals, plants, reptiles and more.

Saturday 3:00 pm

3:00-3:50 **Session: 106**
Dakota B **Feb. 3, 2007**
Grade Level: 7-12

Speaker (s): Jean Gomer
Deubrook Area Schools

Title: Reading in the Math Classroom

It is time to "teach" reading instead of assign it in the math classroom. Several strategies for improving student comprehension of reading material will be shared.

Saturday 3:00 pm

3:00-3:50 **Session: 107**
Dakota D **Feb. 3, 2007**
Grade Level: 7-12

Speaker (s): Molly TenBroek
McIntosh HS

Title: Circuit Boards--Constructing Inexpensive But Durable Circuit Boards

The standards demand that we teach all students the basics of electricity. This presentation will show teachers how to build an inexpensive but very complete and durable circuit board for teaching the concepts of series and parallel circuits and Ohm's Law. I have used these with 7-12 graders

Saturday 3:00 pm

3:00-3:50 **Session: 108**
Dakota E **Feb. 3, 2007**

Repeat of #5

Grade Level: K-2

Speaker (s): Marcy Farrand
Wilson Elementary-Rapid City

**Title: Quickly and Easily Assess a
Child's Working Number**

This session will present a quick and easy way to find out where a primary child is while working with basic facts. Activities with little prep time or materials will be shown that help improve this newly found working number.

3:00-3:50 **Session: 109**
Dakota G **Feb. 3, 2007**
Grade Level: 6-12

Speaker (s): Ramona Lundberg
Deuel HS, Clear Lake

**Title: Exploration of American
Physiological Society's
Website**

This session will provide an overview of the teacher-developed and teacher-friendly resources provided by the American Physiological Society. Special emphasis will be on the Web-based/hands-on Taste and Hearing units. Freebies provided.

4:15-- Session: 110
Board Room Feb. 3, 2007
Speaker (s): Joint Conference Board

Title: Joint Board Meeting