

Program for 2006 Joint Conference

Thursday

7 pm

7:00-9:00 pm
Dakota A
Grade Level: K-C

Session: 1
Feb. 2, 2006

Speaker(s): Chuck Holmstrom, Facilitator
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.

7:00-9:00 pm
Dakota B
Grade Level: K-C

Session: 2
Feb. 2, 2006

Speaker(s): Mark Farrand, Facilitator
SDSTA President

Title: Science 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

8:30-9:20 am
Prairie A
Grade Level: 5-10

Session: 3
Feb. 3, 2006

Speaker(s): Cheryl D. Thaler
Wagner Community School

Title: Middle School Minds in Motion

Enhance student learning through movement with over 100 activities. Minds in Motion will energize your classroom, enhance motor skills and improve learning environments.

Friday

8:30 am

8:30-9:20 am
Dakota A
Grade Level: 9-12

Session: 4
Feb. 3, 2006

Speaker(s): Lindsey L. Hins
Huron High School

**Title: Math Activity with the TI-84
Calculator and CBR**

This session will provide participants with TI-84 & CBR math activity and additional TI-84 calculator tips.

8:30-9:20 am
Dakota B

Session: 5
Feb. 3, 2006

Repeat of # 79

Grade Level: 6-12

Speaker(s): Brant Miller & Dr. Robb Winter
Douglas MS/SDSM&T

**Title: Research Experience for
Teachers (RET) at SDSM & T**

Come get information about the premier professional development opportunity for 6th-12th grade science teachers in the region.

8:30-9:20 am
Dakota C
Grade Level: 6-12

Session: 6
Feb. 3, 2006

Speaker(s): Nicole M. Keegan
Dakota Middle School, Rapid City

**Title: Evolution of Evolution in
Science**

A look at evolution in the science classroom using research and present day evolution issues.

Friday

8:30 am

8:30-9:20 am

Dakota D

Grade Level: K-12

Session: 7

Feb. 3, 2006

Speaker(s): Dawn Wirth,
Current Presidential Awardee
Hurley School

Title: Experience Japan-Free

Come and learn how you too can experience the Japanese educational system. From preschool to college, learn how you can travel to Japan on a Fulbright Memorial Funds Scholarship. The three weeks that Dawn spent in Japan will forever change her cultural teaching and it is within everyone's reach.

8:30-9:20 am

Dakota E

Grade Level: 9-12

Session: 8

Feb. 3, 2006

Speaker(s): Christine Mikles
CPM Educational Program

Title: Proof! Finally a Logical Approach!

The development of proof begins with deductive reasoning by way of games. The goal is to use communication, reasoning and logic skills needed in proof. Participants will justify and argue strategies as they come to conclusions. Three types of proof will be modeled: Flowchart, paragraph and two-column.

8:30-9:20 am

Dakota F

Grade Level: 6-8

Session: 9

Feb. 3, 2006

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

Title: Game Time

Fun, engaging problem solving games for the middle school classroom.

Friday

8:30 am

8:30-9:20 am

Dakota G

Grade Level: K-6

Session: 10

Feb. 3, 2006

Repeat of #65

Speaker(s): David A. Broadwell
Alcester-Hudson Schools

Title: From School Improvement to Blue Ribbon School Status

A teacher's perspective on how using the Everyday Mathematics program and structured improvements contributed to our progress.

8:30-10:20 am

Dakota H

Grade Level: 6-8

Session: 11

Feb. 3, 2006

Repeat of # 69

Speaker(s): Chris Larson
SDSU

Title: The Connected Mathematics Project for Middle School

Come find out about a middle school curriculum that is considered "exemplary" by the Department of Education.

8:30-9:20 am

Salon

Grade Level: K-4

Session: 12

Feb. 3, 2006

Speaker(s): Dianne Miller
Project Learning Tree

Title: Environmental Education Programs K-4

Hear about the latest environmental opportunities for K-4 educators with materials and a drawing! All participants through the day will be eligible for a big prize!

Friday

9:30 am

9:30-11:20 am

Prairie A

Grade Level: K-12

Session: 13

Feb. 3, 2006

Speaker(s): Kelly Lane, Featured Speaker

Retired Science Teacher

Title: Hook, Line and Sinker

"Hook" Students with a "Line" of geospatial tools they will embrace to "sink" home. Join a retired-but-still-excited science teacher and take home ideas, specific activities and sources for high tech equipment and software that you can use right away.

9:30-10:20 am

Prairie B

Grade Level: 6-C

Repeat of # 75

Session: 14

Feb. 3, 2006

**Speaker(s): Lori McNeal Reece,
Featured Speaker**

Xtreme Xpress

Title: Math-Lite--Formula Free

What do students REALLY have to commit to memory? Getting past our dependence on formulae!

**Next Year's Conference is
February 1, 2, & 3, 2007**

Friday

9:30 am

9:30-10:20 am

Prairie C

Grade Level: K-4

Session: 15

Feb. 3, 2006

**Speaker(s): Richard J. Callan,
Featured Speaker**

Bunker Hill Elementary

**Title: Where's the Connection?
Algebra and Children's
Literature**

Participants will be engaged in activities that involve the concept of algebra and using children's literature. A handout with activities and books will be given.

9:30-11:20 am

Dakota A

Grade Level: 9-C

Repeat of # 100

Session: 16

Feb. 3, 2006

Speaker(s): Michael T. Catalano

DWU

**Title: College Algebra in Context:
Some examples from an
ongoing NSF Project**

This session will provide an overview of and examples from an ongoing NSF project which includes the development of a data-driven college algebra course incorporating examples related to energy, hunger, poverty, and other social issues. Examples can be adapted for use in a variety of courses, including high school algebra and FST courses.

Friday

9:30 am

9:30-10:20 am

Dakota B

Grade Level: 6-12

Session: 17

Feb. 3, 2006

Speaker(s): Ramona Lundberg & Sally Stoll
Deuel Schools

**Title: Resources from the American
Physiological Society (APS)**

Come and hear about the resources provided for science teachers grades 6-12. Project Wise Web will be introduced and free materials will be given to participants.

9:30-10:20 am

Dakota C

Grade Level: 8-C

Session: 18

Feb. 3, 2006

Speaker(s): Larry Browning & Judy Vondruska
SDSU

Title: Web Cams for Astronomy

We will discuss how to modify a WebCam for use with a telescope. Software and plans will be available.

9:30-11:20 am

Dakota E

Grade Level: 9-12

Session: 19

Feb. 3, 2006

Speaker(s): Lonnie A. Bellman
CPM Education Program

**Title: Exploring a Standards-Based,
Student-Centered Curriculum:
CPM, Grades 6-12**

Participants will explore activities from one of the Exemplary Programs: College Preparatory Mathematics. When students work through the problems in CPM, they develop not only problem solving skills, but a better understanding of the basics. The learning is thinking and long term because of the mastery over time feature.

Friday

9:30 am

9:30-10:20 am

Dakota F

Grade Level: 9-C

Session: 20

Feb. 3, 2006

Repeat of # 72

Speaker(s): John Brown, Adam Tyhurst, Ben Irlbeck
DWU

**Title: What makes web-based
materials usable for faculty
and students?**

Examples of geometry and algebra lesson plans that incorporate online resources from Merlot will be presented and shared with participants.

9:30-10:20 am

Dakota G

Grade Level: K-4

Session: 21

Feb. 3, 2006

Speaker(s): Carol Den Otter
University of Sioux Falls

**Title: Number Sense: What It Is, Why
It Is Important and How to
Teach It**

Come and get suggestions for teaching number sense that help children gain an expectation that numbers are useful and that math has a certain regularity. Activities presented will promote thinking and reflecting about numbers.

9:30-11:20 am

Symposium

Grade Level: 9-C

Session: 22

Feb. 3, 2006

Speaker(s): Dan Van Peurseum, Facilitator
USD

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

Representatives from the mathematics departments of the higher education institutions will discuss topics relevant to the transition for students from high school to college mathematics.

Friday

9:30 am

9:30-10:20 am

Salon

Grade Level: 5-8

Session: 23

Feb. 3, 2006

Speaker(s): Dianne Miller
Project Learning Tree

Title: Environmental Education Programs 5-8

Hear about the latest environmental opportunities for 5-8 educators with materials and a drawing! All participants through the day will be eligible for a big prize!!.

Friday

10:30 am

10:30-11:20 am

Dakota B

Grade Level: 5-10

Session: 24

Feb. 3, 2006

Speaker(s): Steven M. Rokusek
SD Public Broadcasting

Title: The Basics of Bernoulli's Principle

This presentation will cover the basics of Bernoulli's Principle using resources from South Dakota Public Broadcasting. Classic demonstrations and explanations will be covered during the presentation.

10:30-11:20 am

Dakota C

Grade Level: K-C

Session: 25

Feb. 3, 2006

Speaker(s): Larry Browning
SDSU

Title: Catapults and Video Analysis

Participants will build their own spoon and popsicle stick catapult and use video analysis to study it.

Friday

10:30 am

10:30-11:20 am

Dakota D

Grade Level: 6-8

Session: 26

Feb. 3, 2006

Speaker(s): Jerry Opbroek & Julie Olson
Mobile Science Lab

Title: Science Demos

Great science demonstrations and activities to get middle school students excited about science.

10:30-11:20 am

Dakota F

Grade Level: K-12

Session: 27

Feb. 3, 2006

Speaker(s): Tammy J. Bauck & Julie Mathiesen
Three Rivers Special Services Coop/TIE

Title: Grade Level Assessment Project for K-12 Science & Mathematics

The SD DOE has started the development of grade level assessment closely aligned to the state content standards for K-12 Mathematics and Science (and Language Arts). Once developed, these assessments will be available for administration and scoring online. This session will provide an overview of the project and the progress made to date.

10:30-11:20 am

Dakota C

Grade Level: K-4

Session: 28

Feb. 3, 2006

Speaker(s): Brenda Danielson
Scotland Elementary

Title: Reading, Writing and Arithmetic

This session will use several pieces of children's literature as a springboard to math activities.

Friday 10:30 am

10:30-11:20 am Session: 29
Dakota H Feb. 3, 2006
Grade Level: 9-C

Speaker(s): William Gripentrog
Watertown High School

Title: Monte, I'll Take Door 3

Ways to have students perform simulations using the graphing calculator to solve compound probability problems will be presented.

10:30-11:20 am Session: 30
Salon Feb. 3, 2006
Grade Level: 9-12

Speaker(s): Dianne Miller
Project Learning Tree

Title: Environmental Education Programs 9-12

Hear about the latest environmental opportunities for 9-12 educators with materials and a drawing! All participants through the day will be eligible for a big prize!!.

Friday 12:00 Noon

12:00-1:00 pm Session: 31
Prairie A, B, C Feb. 3, 2006
Grade Level:

Speaker(s): Chuck Holmstrom & Mark Farrand

LUNCH

Friday 1:30 pm

1:30-2:20 pm Session: 32
Prairie A Feb. 3, 2006
Grade Level: K-12

Speaker(s): Tom Durkin, Featured Speaker
SD Space Grant Consortium

Title: Mars Mania

Put yourself aboard NASA's two exploration rovers, Spirit and Opportunity and be part of a two year science mission.

1:30-3:20 pm Session: 33
Prairie B Feb. 3, 2006
Repeat of # 92

Grade Level: 6-12

Speaker(s): Lori McNeal Reece, Featured Speaker
Xtreme Xpress

Title: Meeting Math Standards in a More 'Musing Manner

Make middle & high school mathematics more fun with songs, jokes, wacky tricks--all directed to the secondary curriculum.

1:30-3:20 pm Session: 34
Prairie C Feb. 3, 2006
Grade Level: K-4

Speaker(s): Richard J. Callan, Featured Speaker
Bunker Hill Elementary

Title: Computation Activities That Bring Success!

Participants will be engaged in activities that will help students in grades K-4 develop computational success with basic facts. Integration of concepts will be presented in some activities. A handout will be given with the activities for teachers to take back and instantly use in the classroom.

Friday

1:30 pm

1:30-2:20 pm

Dakota A

Grade Level: 9-12

Session: 35

Feb. 3, 2006

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

Title: Labs, Labs, and More Labs for High School Science

New labs for every high school science class you teach! Make learning fun with the latest labs for biology, chemistry, physical science and now forensic science. Door Prizes and Give Aways!

1:30-2:20 pm

Dakota B

Grade Level: 7-12

Session: 36

Feb. 3, 2006

Repeat of # 66

Speaker(s): Nichole Hoffman & Brad Arend
Summit School

Title: Introducing Your Students to the TI-83+

Teach your students (and yourself!) how to use the TI-83+. Topics include finding frequently used keys, graphing equations, entering and sorting lists, solving systems of equations, finding x-intercepts, minimums & maximums, statistics, stat plots, linear regression, linking, and more.

1:30-2:20 pm

Dakota C

Grade Level: 10-C

Session: 37

Feb. 3, 2006

Speaker(s): Andrew Shiers
DSU

Title: Using Geometer's Sketchpad in Geometry and Algebra

Using Geometer's Sketchpad, we'll develop a geometric view of the conic sections by guided discovery and develop the graphs of conic sections from their algebraic definitions.

Friday

1:30 pm

1:30-2:20 pm

Dakota D

Grade Level: K-6

Session: 38

Feb. 3, 2006

Speaker(s): Melissa L. Goorahoo
Scott, Foresman Education

Title: Scaffolded Inquiry: Toys in Motion

This session uses toys to go through the steps of inquiry, starting with a directed inquiry activity, moving to guided inquiry, and finally to full inquiry. Participants will walk away with a complete and practical way to increase both the time spent on inquiry and an understanding of the steps of inquiry, and the importance of each in improving performance on standardized assessments. Materials will be provided.

1:30-3:20 pm

Dakota E

Grade Level: 6-8

Session: 39

Feb. 3, 2006

Speaker(s): Christine Mikles
CPM Educational Program

Title: Using Tiles and Games to Teach Math in Grades 6-8

Participants will be actively engaged in using manipulatives, playing games and doing activities to enhance the learning of math concepts. Games will be played that deal with integers, order of operation, graphing and writing.

Have you visited the exhibits?

Check out what the vendors have to share this year.

Friday

1:30 pm

1:30-2:20 pm

Dakota F

Repeat of # 98

Grade Level: K-C

Speaker(s): Rocky Von Eye
DWU

Title: Merlot: Multimedia Educational Resource for Learning and Online Teaching

Merlot is a free, web-based resource designed to help you find online teaching and learning materials quickly and easily. It is a continually growing catalog of online teaching tools and support resources that helps you enhance your instruction.

1:30-2:20 pm

Dakota G

Grade Level: 6-8

Session: 41

Feb. 3, 2006

Speaker(s): Diane K. Selchert & Sandra Jones
Sanborn Central/Wessington Springs

Title: Middle School Minds in Motion

Help students gain understanding, improve memory, and enhance health by using motion in your classroom. All activities are standards based.

1:30-2:20 pm

Dakota H

Grade Level: K-6

Session: 42

Feb. 3, 2006

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 plus other science writing ideas.

Friday

1:30 pm

1:30-2:20 pm

Symposium

Grade Level: 8-C

Session: 43

Feb. 3, 2006

Speaker(s): Anne C. Thompson
SDSU

Title: "What'll We Need This For?"--A New Perspective

Some applications of algebra and statistics that relate to South Dakota jobs--based on consultations with professionals.

1:30-4:20 pm

Salon

Grade Level: K-C

Session: 44

Feb. 3, 2006

Speaker(s): Micheline Hickenbotham
& Dianne Miller
BHSU & PLT

Title: Ethanol Plant Tour

Participants will travel by bus to the plant near Huron. This field trip may be taken alone or as part of the "Energy and Society" BHSU college course on Saturday.

Friday

2:30 pm

2:30-4:20 pm

Prairie A

Grade Level: 4-12

Session: 45

Feb. 3, 2006

Speaker(s): Rita H. Barger,
Featured Speaker
University of Missouri-KC

Title: Ideas for Improving Scores on High Stakes Performance Tests

This session will provide classroom-tested methods for improving student scores on high stakes tests.

Friday

2:30 pm

2:30-3:20 pm

Dakota A

Grade Level: 6-8

Session: 46

Feb. 3, 2006

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

Title: Labs, Labs, and More Labs for Middle School Science

Need some new ideas for labs that will grab your students' attention? Labs that are meaningful and fun? What about forensics labs? Come join us and add some spice to your classroom! Door Prizes and Give Aways!

2:30-3:20 pm

Dakota B

Grade Level: 6-C

Session: 47

Feb. 3, 2006

Speaker(s): Marie Steckelberg
USD

Title: J.A.M.E.S. Project

Students collect, share and use real data collected on various bodies of water throughout the state of South Dakota.

2:30-4:20 pm

Dakota C

Grade Level: 8-C

Session: 48

Feb. 3, 2006

Speaker(s): Joel Rauber & Judy Vondruska
SDSU

Title: Adding Vectors with MS-Word

A workshop on the use of the MS-Word drawing package to perform vector addition. The drawing package enables one to graphically add vectors in the standard head-to-tail method and also obtain quantitative information in an easy to visualize manner. Some laptops will be provided, but you are encouraged to bring your own.

Friday

2:30 pm

2:30-3:20 pm

Dakota D

Grade Level: 9-12

Session: 49

Feb. 3, 2006

Speaker(s): Bob Schuh & Cindy Kroon
McIntosh/Montrose

Title: Applications on the TI-84

Participants will have hands-on experience with TI-84 application programs. Calculators will be provided.

2:30-3:20 pm

Dakota F

Grade Level: 9-12

Session: 50

Feb. 3, 2006

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

Title: Function Transformations (70's Style)

Active methods to informally assess student understanding of function transformations (Disco music is an added bonus)

2:30-3:20 pm

Dakota G

Grade Level: 9-C

Session: 51

Feb. 3, 2006

Speaker(s): Gary W. Hagerty
BHSU

Title: Self-Efficacy and the Choice of Freshman Math Course

What is self-efficacy and how does it affect student choices regarding the math courses they register for as college freshman. This talk will provide high school teachers with a fresh way of looking at the attitudes and outcomes in a high school class. It will show appreciation for the efforts of the high school teacher.

Friday

2:30 pm

2:30-4:20 pm

Dakota H

Grade Level: K-2

Session: 52

Feb. 3, 2006

Speaker(s): Science Standards Committee

Title: K-2 Science Standard Activities

We will discuss the state standards and present activities that can be used to teach the standards.

3:30-4:20 pm

Dakota A

Grade Level: 6-12

Session: 53

Feb. 3, 2006

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

Title: From Chalkboard to Computer Screen: Technology that Motivates Your Students

The computer is a great motivator for students! Learn about new technology for your classroom that makes learning more exciting for students and helps you plan your lessons. From CD-ROMs to online textbooks, Holt can take you from chalkboard to computer screen.

3:30-4:20 pm

Dakota D

Grade Level: 7-C

Session: 55

Feb. 3, 2006

Speaker(s): K-Dog & G-Trog
(Withheld to protect them)

Title: Mathematical Idol: Isn't That Special!

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.

Friday

3:30 pm

3:30-4:20 pm

Dakota E

Grade Level: 9-12

Session: 56

Feb. 3, 2006

Speaker(s): Lonnie A. Bellman
CPM Education Program

Title: Using the Area Model to Teach Multiplying and Dividing of Polynomials

Participants will use the area model to look at dimensions and area of a rectangle, Algebra Tiles to multiply and factor polynomials; and a graphical organizer called a generic rectangle to show going from the abstract to the concrete. Division of polynomials will be shown using this model.

3:30-4:20 pm

Dakota G

Grade Level: K-4

Session: 57

Feb. 3, 2006

Speaker(s): Brenda Danielson
Scotland Elementary

Title: Do the Math

Using math journals, manipulatives and problem solving strategies, you can get kids out of their seats and doing math. Some ideas on how to deal with the little ones who can't sit still.

Friday

4:30 pm

4:30-5:30 pm

Dakota C

Grade Level: All

Session: 58

Feb. 3, 2006

Speaker(s): Chuck Holmstrom, President
SDCTM

Title: SDCTM Business Meeting

Friday 3:30 pm

4:30-5:30 pm Session: 59
Dakota G Feb. 3, 2006
Grade Level: All

Speaker(s): Mark Farrand, President
SDSTA

Title: **SDSTA Business Meeting**

Friday 5:00 pm

5:00-6:30 pm Session: 60
Dakota A, B Feb. 3, 2006

Reception

Sponsored by Holt, Rinehart & Winston

Friday 7:00 pm

7:00 pm Session: 61
Prairie A, B, C Feb. 3, 2006
Grade Level: K-C

Speaker(s): Sandy Doss, Featured Speaker
Holbrook Travel

Title: **Education is About Experience!**

BANQUET

Sandy Doss is a former science educator with an enthusiasm for educational and environmentally sensitive global travel that has led her on a grand journey of 17 countries within the last 10 years. Her love of biological content, educational methodology and field-based study workshops has guided her life's work for the empowerment of both student and educator alike. Within today's challenging culture of teaching, we must be reminded of the purity and fascination of our natural world. Education is about experience! Join Sandy for this dynamic reflection of how such experiences have molded each learner, young and old.

Saturday 7:00 am

7:00-8:00 am Session: 62
Library Feb. 4, 2006
Grade Level: K-12

Speaker(s): Diana McCann & Ramona
Lundberg
Presidential Award Coordinators

Title: **Presidential Award Breakfast**

All past and present awardees (math and science) are invited to join us for breakfast. Dutch treat???

Saturday 8:30 am

8:30-9:20 am Session: 63
Library Feb. 4, 2006
Grade Level: K-12

Speaker(s): Diana McCann
& Ramona Lundberg
Presidential Award Coordinators

Title: **Tips for Winning Money**

Tips to filling out the Presidential Awards Application for Science and Math.

8:30-10:20 am Session: 64
Prairie A Feb. 4, 2006
Grade Level: 4-C

Speaker(s): Rita H. Barger,
Featured Speaker
University of Missouri-KC

Title: **Mathematics Learning Styles:
Adapting Your Teaching to Students'
Styles**

Based on brain research, this session will help you identify your own dominant style. We will also explore strategies for adapting your teaching to reach more students.

Saturday

8:30 am

8:30-9:20 am
Prairie C

Session: 65
Feb. 4, 2006

Repeat of # 10

Grade Level: K-6

Speaker(s): David A. Broadwell
Alcester-Hudson Schools

Title: **From School Improvement to
Blue Ribbon School Status**

A teacher's perspective on using the Everyday Mathematics program and how structured improvements contributed to our progress.

8:30-9:20 am
Dakota A

Session: 66
Feb. 4, 2006

Repeat of # 36

Grade Level: 7-12

Speaker(s): Nichole Hoffman & Brad Arend
Summit School

Title: **Introducing Your Students to
the TI-83+**

Teach your students (and yourself!) how to use the TI-83+. Topics include finding frequently used keys, graphing equations, entering and sorting lists, solving systems of equations, finding x-intercepts, minimums & maximums, statistics, stat plots, linear regression, linking, and more.

8:30-10:20 am
Dakota B
Grade Level: 3-5

Session: 67
Feb. 4, 2006

Speaker(s): Science Standards Committee

Title: **3-5 Science Standards Activities**

We will discuss the state standards and present activities that can be used to teach the standards.

Saturday

8:30 am

8:30-10:20 am
Dakota C
Grade Level: 6-9

Session: 68
Feb. 4, 2006

Speaker(s): Arnold Lund
Kadoka HS

Title: **Metric Made Easy--OR What To
Do When You Are ALL Alone in
the World**

A method to teach the metric system that eliminates common mistakes, misconceptions and frustrations.

8:30-10:20 am
Dakota D

Session: 69
Feb. 4, 2006

Repeat of # 11

Grade Level: 6-8

Speaker(s): Chris Larson
SDSU

Title: **The Connected Mathematics
Project for Middle School**

Come find out about a middle school curriculum that is considered "exemplary" by the Department of Education.

8:30-9:20 am
Dakota E
Grade Level: 8-12

Session: 70
Feb. 4, 2006

Speaker(s): Jeff Lukens & Bob Tower
Roosevelt HS/Texas Instruments

Title: **Dueling Sensors**

Data collection and analysis session using CBL2 and graphing calculators. Math/Science integration will be the focus.

Saturday 8:30 am

8:30-11:20 am **Session: 71**
Dakota F **Feb. 4, 2006**
Grade Level: 5-8

Speaker(s): Chad R. Tussing
SD Game, Fish & Parks

Title: WILD about Mountain Lions

Come experience some hands-on activities about SD's largest predator. Participants will receive a copy of the new curriculum and activity guide.

8:30-9:20 am **Session: 72**
Dakota H **Feb. 4, 2006**
Repeat of # 20
Grade Level: 9-C

Speaker(s): John Brown, Adam Tyhurst ,Ben Irlbeck
DWU

Title: What makes web-based materials usable for faculty and students?

Examples of geometry and algebra lesson plans that incorporate online resources from Merlot will be presented and shared with participants.

8:30-9:20 am **Session: 73**
Symposium **Feb. 4, 2006**
Grade Level: K-12

Speaker(s): Roxie Albrecht
& Brenda Danielson

Title: Number Sense Strand of the New Math Standards

This session provides an overview of the revised mathematics standards and one or more activities specific to the "strand of the hour." Presenters are veterans of the standards writing team and/or several standards rollout workshops.

Saturday 8:30 am

8:30-11:20 am **Session: 74**
Salon **Feb. 4, 2006**
Grade Level: K-12

Speaker(s): Dianne Miller, State PLT
Coordinator & Micheline Hickenbotham, BHSU
SD Project Learning Tree

Title: Energy, Society and Environment

This program helps students learn about energy and their relationship with energy and investigate the environmental issues related to energy's role in our society. In addition to hands-on activities, we integrate music; dance to enhance the study of energy issues. Earn a graduate credit by attending this session and completing the credit online and activities in your classroom.

Saturday 9:30 am

9:30-10:20 am **Session: 75**
Prairie B **Feb. 4, 2006**
Repeat of # 14
Grade Level: 6-12

Speaker(s): **Lori McNeal Reece,**
Featured Speaker
Xtreme Xpress

Title: Math-Lite--Formula Free

What do students REALLY have to commit to memory? Getting past our dependence on formulae!

Saturday

9:30 am

9:30-11:20 am

Prairie C

Grade Level: K-3

Session: 76

Feb. 4, 2006

Speaker(s): Richard J. Callan,
Featured Speaker
Bunker Hill Elementary

Title: Using Math Start Books to Enhance Your Mathematics Program

Stuart Murphy has written over 50 books using mathematics as a foundation for his books. Different core topics are used for each book. Participants will be engaged in activities using some of these books. A list of books and activities will be given.

9:30-10:20 am

Dakota A

Grade Level: K-C

Session: 77

Feb. 4, 2006

Speaker(s): Mike Barondeau
Edmunds Central School

Title: BB Board Molecular Demonstrator for Science

This is a Make-It & Take-It session where you construct an acrylic bb-board demonstrator for atomic/molecular motion demonstrations. This session is limited to 15 and will cost each participant \$15 at the door for materials.

9:30-10:20 am

Dakota E

Grade Level: 8-12

Session: 78

Feb. 4, 2006

Speaker(s): Jeff Lukens & Bob Tower
Roosevelt HS/Texas Instruments

Title: Can You Take the Pressure?

Integrate your math and science curriculum using this easy but profound data collection activity!

Saturday

9:30 am

9:30-10:20 am

Dakota G

Grade Level: 6-12

Session: 79

Feb. 4, 2006

Repeat of # 5

Speaker(s): Brant Miller & Dr. Robb Winter
Douglas MS/SDSM&T

Title: Research Experience for Teachers (RET) at SDSM & T

Come get information about the premier professional development opportunity for 6th-12th grade science teachers in the region.

9:30-10:20 am

Dakota H

Grade Level: 7-8

Session: 80

Feb. 4, 2006

Speaker(s): Vanya Munce
Huron Middle School

Title: Geometry Unit--String Art Designs

This is a geometry unit. Many activities lead up to the grand finale of creating a string art project.

9:30-10:20 am

Symposium

Grade Level: K-12

Session: 81

Feb. 4, 2006

Speaker(s): Diana McCann & Jean Gomer

Title: Measurement Strand of the New Math Standards

This session provides an overview of the revised mathematics standards and one or more activities specific to the "strand of the hour." Presenters are veterans of the standards writing team and/or several standards rollout workshops.

Saturday 1:00 pm

1:00-1:50 pm **Session: 94**
Dakota B **Feb. 4, 2006**
Grade Level: K-5 & SPED

Speaker(s): Micheline Hickenbotham
BHSU

Title: True/False The Meaning of the Equal Sign

Integrating arithmetic and algebra in K-5 classrooms help students recognize the connections between calculations and algebra. The first step is to understand equality. An approach to take back to your classroom

1:00-1:50 pm **Session: 95**
Dakota C **Feb. 4, 2006**
Grade Level: 5-8

Speaker(s): Jeremiah Dibley & Donna Hardie
pullUin Software

Title: Videogames in Science Class

Experience Creature Control: The Quest for Homeostasis, a science curriculum block that combines inquiry learning with a video game.

1:00-2:50 pm **Session: 96**
Dakota D **Feb. 4, 2006**
Grade Level: 3-C

Speaker(s): Kenneth Graupmann
White River Schools

Title: INQUIRY--Three Kinds of Hands-on Science

This activity will explore 3 different hands-on ways of approaching inquiry science.

Saturday 1:00 pm

1:00-1:50 pm **Session: 97**
Dakota E **Feb. 4, 2006**
Grade Level: 8-12

Speaker(s): Jeff Lukens & Bob Tower
Roosevelt HS/Texas Instruments

Title: River of Life

How much blood do you have in your body? Use a little math, a little science and a little (but powerful) calculator to figure it out!

1:00-1:50 pm **Session: 98**
Dakota F **Feb. 4, 2006**
Repeat of # 40

Grade Level: K-C

Speaker(s): Rocky Von Eye
DWU

Title: Merlot: Multimedia Educational Resource for Learning and Online Teaching

Merlot is a free, web-based resource designed to help you find online teaching and learning materials quickly and easily. It is a continually growing catalog of online teaching tools and support resources that help you enhance your instruction.

1:00-1:50 pm **Session: 99**
Dakota G **Feb. 4, 2006**
Grade Level: 8-12

Speaker(s): Julie Olson
Mitchell Senior High

Title: Exciting Environmental Science

Several activities for middle/high school environmental science classes.

Saturday 1:00 pm

1:00-2:50 pm Session: 100
Dakota H Feb. 4, 2006

Repeat of # 16

Grade Level: 9-C

Speaker(s): Michael T. Catalano
DWU

Title: **College Algebra in Context: Some examples from an ongoing NSF Project**

This session will provide an overview of and examples from an ongoing NSF project which includes the development of a data-driven college algebra course incorporating examples related to energy, hunger, poverty, and other social issues. Examples can be adapted for use in a variety of courses, including high school algebra and FST courses.

1:00-1:50 pm Session: 101
Symposium Feb. 4, 2006
Grade Level: K-12

Speaker(s): Jean Gomer & Diana McCann

Title: **Geometry Strand of the New Math Standards**

This session provides an overview of the revised mathematics standards and one or more activities specific to the "strand of the hour." Presenters are veterans of the standards writing team and/or several standards rollout workshops.

Saturday 1:00 pm

1:00-2:50 pm Session: 102
Salon Feb. 4, 2006

Grade Level: K-C

Speaker(s): Janet Briggs
BHSU

Title: **Enhancing Science Through Expository Writing**

How can you get your students to tell you what they are really thinking? How can you get them to think deeply about science concepts? Learn how to help your students develop a deeper understanding of science concepts through the writing process, and to display that knowledge using multiple methods. This presentation will provide guidance in the development of writing prompts for science investigations.

2:00-2:50 pm Session: 103
Dakota A Feb. 4, 2006
Grade Level: 6-C

Speaker(s): Andy Johnson
BHSU CAMSE

Title: **Making Sense of Gas Prices-An investigation into oil discovery, production, economics, and society**

It's time to start thinking about reasons why fuel prices are rising. I will report on the results of independent (relatively unbiased) studies of oil discovery and production data and attempt to summarize the importance and timing of the upcoming worldwide decline in oil and gas production. References and resources will be given to attendees.

Saturday 1:00 pm

2:00-2:50 pm **Session: 104**
Dakota B **Feb. 4, 2006**
Grade Level: K-6

Speaker(s): Peg Lindberg
Vista View Elementary, Burnsville, MN

Title: Games--Creating Teachable Moments

Learn how to use math games as teaching tools. Share before the game and after the game teaching tips that maximize the learning experience.

Saturday 2:00 pm

2:00-2:50 pm **Session: 105**
Dakota E **Feb. 4, 2006**
Grade Level: 8-12

Speaker(s): Cortney Haugen
Tripp-Delmont Schools

Title: Layers Beyond the Boring Text

A brief overview of Layered Curriculum and how I have used it to reach all levels of learners--includes example units.

2:00-2:50 pm **Session: 106**
Dakota F **Feb. 4, 2006**
Grade Level: K-2

Speaker(s): Marcy & Mark Farrand
Rapid City School District

Title: Inquiry Learning for Elementary Educators

We will show you several easy to set up and effective lab activities to inspire your young scientists.

Saturday 2:00 pm

2:00-2:50 pm **Session: 107**
Dakota G **Feb. 4, 2006**
Grade Level: 9-12

Speaker(s): Julie Olson
Mitchell Senior High

Title: Fantastic Physiology

Guaranteed to come away with good activities for physiology and biology classes.

2:00-2:50 pm **Session: 108**
Symposium Feb. 4, 2006
Grade Level: K-12

Speaker(s): Bill Gripenrog & Chuck Holmstrom

Title: Algebra Strand of the New Math Standards

This session provides an overview of the revised mathematics standards and one or more activities specific to the "strand of the hour." Presenters are veterans of the standards writing team and/or several standards rollout workshops.

Saturday 3:15 pm

3:15--- **Session: 109**
Board Room **Feb. 4, 2006**
Grade Level:

Speaker(s): Joint Conference Board

Title: Joint Board Meeting