

"Making Moments Count with Countless Resources"

21st Century Community Learning Centers Annual Conference

May 29-30, 2012

Ramkota Hotel Conference Center – Pierre, SD

Tuesday, May 29th:

9:30-11:30 - **Registration in the lobby area**

10:00 -11:30 – **Amphitheater I:** Required meeting for newly awarded grantees (others are welcome)
Mark Gageby, SD DOE Grant Manager

11:30-12:30 – **Galleries B & C:** Opening and lunch

12:30-1:30 – **Keynote in Galleries B & C: "Truth, Lies and Opportunities"**

If you work with youth today you don't need anyone to tell you that it can be overwhelming to say the least. Even the most resilient professionals may find themselves paralyzed by the complexities of today's society. In this presentation Jim gets back to the basics about our work with young people. He confronts the hard facts of working with youth by providing you with a perspective that will help you see the importance of your work on a daily basis. You will walk away from this session with some good laughs and your "batteries" recharged!

Presenter: Jim Harris, Opportunities Consulting Services and Assistant Professor at West Virginia University's Charleston campus

1:30-1:45 – Break

1:45-2:45 – **Galleries B & C: "Breaking the Barriers of Industrial Age Education"**

Presenter: Dr. Julie Mathiesen, Technology and Innovation in Education (TIE) Director

2:45-3:00 – Break

3:00-4:00 – Breakout Sessions:

Amphitheater I: "Girls on the Run"

Theme: Character education and physical fitness

Description: Girls on the Run is a character development and empowerment program for girls ages 8-13. It uses non-competitive running and training to achieve the goal of participation in a 5K run/walk event. The girls learn life lessons that encourage positive emotional, physical, social, and mental development.

Presenter: Stacy Stahl, Girls and Youth Director, Sioux Falls YWCA

Amphitheater II: "SD Teens as Teachers"

Theme: Students get to experience being a real teacher, while presenting a healthy living program to children in grades 3-5.

Description: South Dakota 4-H launched a healthy living program called "Strong Bodies, Strong Futures" to reach 2,000 students state-wide. This program offers high school students the chance to become teachers by developing and carrying out lesson plans for grades 3-5 that are relevant to the MyPlate nutrition guidelines and SD Health Education Standards.

Presenters: Suzy Geppert, Audrey Rider and Andrea Klein, SD 4-H Youth Field Specialists

Galleries D & E: "Kids College"

Theme: Using video games to enrich learning

Description: In this presentation you'll learn how one school used the Kids College software program to enrich their students' afterschool learning.

Presenter: T.J. Lynch, Red Cloud Indian School afterschool program

Galleries F & G: "Mind Your Own Business"

Theme: Students discover all aspects of developing and running a business

Description: Need a project-based learning activity that covers most curriculums? Please join Kristie and Danielle to get a complete packet on how students can start their own business and take home a profit. They take a group of students and their product ideas and help them create a business around this product. The students experience the entire business world from discussing loans, advertising on the radio, shooting commercials, maintaining their own finances, and... even pocketing real money profit to take home! What middle school student wouldn't be interested in that!?

Presenters: Kristie Messner and Danielle Hunt, Belle Fourche JAM program

Lake Sharpe: "Sweet Deceptions" – Tobacco Prevention

Theme: Tobacco prevention

Description: Are you sure that's just a marker or gum in your student's bag? The tobacco industry is getting very creative in how they package their products. Come to this session to see all the new products and how much they resemble everyday things like gum, markers, and beauty products.

Presenter: Amy Fink, Tobacco Prevention Coordinator

4:00-4:15 – Break

4:15-5:15 – Breakout sessions

Amphitheater I: “Linking Afterschool with the Regular School Day”

Theme: Connecting with the school day

Description: Representatives from the CAPS (Capitalizing on Achievement and Partnerships for Students) program will talk about how their program is an extension of the regular school day. They will highlight how they built and maintain a strong working relationship with the administration, teaching staff, and afterschool staff.

Presenters: Brittany Postma and Kristi Tveit, Pierre McKinley CAPS program

Amphitheater II: “Capstone Experiences”

Description: Capstone Experiences make connections between coursework and the application to meaningful and relevant career-related experiences. These programs are teacher facilitated with a majority of the work being done outside of class through mentorships within the community. Capstones include Youth Internship, Senior Experience, Senior Entrepreneurship and Service Learning. Capstones are a great way to build relationships within community through business mentorships, utilizing subject matter experts, worksites for internships and service projects. The Capstones were created for high school students, but could easily be modified to fit a middle school or elementary student class.

Presenters: Nora Kohlenberg and Tiffany Sanderson, SD Department of Education Career Cluster Specialists

Galleries D & E: “Service Learning”

Description: Come and learn all about Service Learning, the opportunities that await your school/district, strategies for implementation and resources to get started. Service Learning can be implemented at any grade level. Service Learning is a flexible method of teaching and learning that applies academic and real-world skills to create meaningful youth-led experiences with community partnerships. The goal of service learning is to empower youth to become engaged in their personal, social and working lives.

Presenter: Sherry Knock, SD Department of Education – De Smet Service Learning Teacher - retired

Galleries F & G: “Harvest of the Month”

Theme: Nutritional information and family involvement

Description: In just 15 minutes a month you can get kids to eat more fruits and veggies. Harvest of the Month is an easy- to-use program that gets kids excited about eating fruits and vegetables and has them asking for more. Through a short presentation and produce sampling, children learn about the importance of eating fruits and vegetables every day. The fun and quick presentation explains the history, peak seasons, vitamins, and minerals, and how to choose the produce at the store.

Presenter: Jessica Jones, Community Wellness Coordinator with SD Discovery Center

Lake Sharpe: “iCivics”

Description: iCivics is a web-based education project designed to teach students civics and inspire them to be active participants in U.S. democracy. Founded by Justice Sandra Day O'Connor, in just two years, iCivics has produced 16 educational video games as well as vibrant teaching materials that have been used in classrooms in all 50 states. They offer a comprehensive, standards-aligned civics curriculum that is available freely on the Web.

Presenter: Jon Mammenga, Pierre Boys and Girls Club

5:15-6:00 – **Galleries B & C: Dinner**

6:00-7:00 – **Galleries B & C: “Five Things You Need to Know About Kids”**

Get ready to laugh and learn as Jim brings some of the most important developmental principles alive with his down to earth presentation style. Jim will focus on some of the most common misconceptions people have about children and talk about how they affect our ability to intervene effectively. He will pay specific attention to the core developmental needs of children and how they relate to challenging behavior. Jim will also explore how to strategically approach challenging behavior with children from an instructional perspective

Presenter: Jim Harris, Opportunities Consulting Services and Assistant Professor at West Virginia University's Charleston campus

7:00-9:00 – **SD Discovery Center: “Digital Star Lab Presentation”** (Optional opportunity)

Please sign up at the registration table if you plan to attend.

Wednesday, May 30th:

7:15-7:45 – Galleries B & C: Breakfast

7:45-8:50 – Keynote in Amphitheater II:

“Teaching for Innovation and Inspiring a Future of Dreams”

Dr. Wendi Laurence, Curriculum development specialist with NASA’s Summer of Innovation

8:50-9:00 – Break

9:00-9:50 – Breakout sessions

Amphitheater I: “Project-based Inquiry Learning – Inspire Youth to Ask (and answer) Questions!”

Description: Inquiry-based learning is excellent for after school programs. This session provides an overview in designing and using project-based inquiry learning (PBIL) to enhance conceptual understanding, critical thinking, scientific reasoning, and problem solving in your program.

Presenter: Dr. Marie Steckelberg, SD NASA Summer of Innovation (SOI) Coordinator

Amphitheater II: “PBS: Science Demonstration I” - Icebreakers and Activities

Description: During this session participants will review classic science demonstrations and activities, including but not limited to a “Scientific American Frontiers” experiment to see if your corpus callosum (brain) is working. Come and enjoy the magic of science. The demonstrations are accompanied by video segments and online educational games. All of the activities are designed for multiple learning styles and are available free of charge.

Presenter: Steve Rokusek, SD Public Broadcasting Network – Education Specialist

Galleries D & E: “Linking Science and Literacy with Our NASA Resources”

Description: Formal and informal educators will learn techniques that will inspire students of all ages to read and comprehend nonfiction text, to write in journals just like a scientist, and to take any of the many NASA themed activities and make it a successful lesson for our at-risk students. So many times the science lesson is left behind because we are so focused on teaching reading. Well, you can do both simultaneously and kids will never know there was a literacy lesson involved!

Presenter: Vanessa Hight, Assistant NASA Summer of Innovation (SOI) Coordinator

Galleries F & G: “Gems” – Grades 4-9

Description: Looking to get more of these older kids into your programs? A GEM (Great Explorations in Math & Science) is a leading resource for innovative science & math education. GEMS activities engage students (especially these big kids) in hands-on, inquiry-based activities that promote thinking & love of learning. Enjoy these very hands-on sessions while gathering some great new ideas for your middle graders. Test out the kits that your 21st CCLC can borrow from the science center. Sponsored by SD Discovery Center & SD Space Grant Consortium.

Presenter – Kristie Maher, SD Discovery Center Executive Director

9:50-10:00 – Break

10:00-10:50 – Breakout sessions

Amphitheater I: “Project-Based Inquiry Learning – Inspire Youth to Ask (and answer) Questions!”

Description: Inquiry-based learning is excellent for after school programs. This session provides an overview in designing and using project-based inquiry learning (PBIL) to enhance conceptual understanding, critical thinking, scientific reasoning, and problem solving in your program.

Presenter: Dr. Marie Steckelberg, SD NASA Summer of Innovation (SOI) Coordinator

Amphitheater II: “PBS Science Demonstration II” - Icebreakers and Activities

Description: Science Demonstrations II is a follow-up session to Science Demonstration I. During this session participants will review science demonstrations and activities not covered in the original session. Come and enjoy the magic of science. The demonstrations are accompanied by video segments and online educational games. All of the activities are designed for multiple learning styles and are available free of charge.

Presenter: Steve Rokusek, SD PBS – Education Specialist

Galleries D & E: “Robotics Unplugged”

Description: Explore how to engage students with robotics – this pre-designed camp provides the key skills students need to engage in the study of robotics with hands-on, affordable engaging activities.

Presenter: Dr. Wendi Laurence, NASA Curriculum Development Specialist

Galleries F & G: “GEMS” – Grades K-3

Description: GEMS (Great Explorations in Math & Science) is a leading resource for innovative science & math education. GEMS activities engage students in hands-on, inquiry-based activities that promote thinking & love of learning. Enjoy these very hands-on sessions while gathering some great new ideas for your littlest scientists. Test out the kits that your 21st CCLC can borrow from the science center. Sponsored by SD Discovery Center & SD Space Grant Consortium.

Presenter: Kristie Maher, SD Discovery Center Executive Director

10:50-11:00 – Break

11:00-11:50 – Breakout sessions

Amphitheater I: “The Hardest Fun They’ll Ever Have” - Robotics as a Tool to Increase STEM Participation

Description: More creative approaches to teaching science are needed to reach students who are losing interest in the STEM disciplines. Robotics provides that platform for successful STEM learning. We'll explore how to capture students through the fun of robotics and FIRST® LEGO® League, a national program that shows kids that engineering is “the hardest fun they'll ever have.”

Presenter: Robyn Swets, SD Robotics Association President and SD FLL Operational Partner

Amphitheater II: “Mars Mania: The Search for Signs of Water”

Description: Is there water on Mars? Come learn about Mars Exploration Rovers named Opportunity and Spirit – how they operate and what they have taught us about Mars.

Presenter: Tom Durkin, SDSM&T and SD Space Grant Consortium

Galleries D & E: “Making Space Down to Earth - Astronomy and Venus Transit”

Description: Discover the amazing science opportunities in the sky. We will journey through an introduction to astronomy and discuss ways to engage students so that they can begin their own investigations of the sky. Find out all about the upcoming transit of Venus and how to engage your students in this once-in-a-lifetime event!

Presenter: Dr. Wendi Laurence, NASA Curriculum Development Specialist

Galleries F & G: “Linking Science and Literacy with our NASA Resources”

Description: Formal and informal educators will learn techniques that will inspire students of all ages to read and comprehend nonfiction text, to write in journals just like a scientist, and to take any of the many NASA themed activities and make it a successful lesson for our at-risk students. So many times the science lesson is left behind because we are so focused on teaching reading. Well, you can do both simultaneously and kids will never know there was a literacy lesson involved!

Presenter: Vanessa Hight, Assistant SD SOI Coordinator

11:50-1:00 – **Galleries B & C:** Lunch - Stellar Educator and Rising Star Awards presented

1:00-1:30 – Visit booths and 21st CCLC Showcase

1:30-2:20 – Breakout sessions

Amphitheater I: “NASA Digital Learning Network”

Description: Your students can talk LIVE to NASA educators! Experience a NASA Digital Learning Event to see how exciting this can be for your students. Explore your many choices for topics, how to register and how to make the most of these FREE experiences for your students.

Presenter: Dr. Marie Steckelberg and Vanessa Hight, SD NASA Summer of Innovation Coordinators

Amphitheater II: “Mars Mania: The Search for Signs of Water”

Description: Is there water on Mars? Come learn about Mars Exploration Rovers named Opportunity and Spirit – how they operate and what they have taught us about Mars.

Presenter: Tom Durkin, SDSM&T and SD Space Grant Consortium

Galleries D & E: “Countdown to Mars”

Description: : Discover camps and activities you can use this summer as the new Mars Science Laboratory gets ready to land! We will do hands-on sampling activities that you can take back to your sites. You will receive electronic connections to two Mars camps that provide one, two and five-day camps you can implement at your sites.

Presenter: Dr. Wendi Laurence, NASA Curriculum Development Specialist

Galleries F & G: “NASA Family Science Nights”

Description: The NASA Family Science Night program invites middle school children and their families to come discover the wide variety of science and engineering being performed at NASA and in our everyday life. Using these monthly programs designed by Goddard Space Flight Center, you can get your families involved in real science that will have them communicating, working together, wondering and experimenting. Families will learn about the Sun, the Moon, the Stars, and the Universe through fun, hands-on activities. The SD Discovery Center piloted these in Pierre with great success. Hear from one of the students who participated and experience some of the families' favorite activities.

Presenter: Kristie Maher, SD Discovery Center Executive Director

2:20-2:30 – Break

2:30-3:20 – Breakout sessions

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Presenter: Dr. Marie Steckelberg and Vanessa Hight, SD NASA Summer of Innovation Coordinators

Amphitheater II: "The Change in Vision for Science Education" – Framework for K-12 Science Education

Description: This presentation will take an in-depth look at the National Research Council's *A Framework for K-12 Science Education*. Audience will engage in a discussion around the impact of the *Framework* on Curriculum, Teacher Preparation, Assessment and primarily Standards. The *Framework for K-12 Science Education* is guiding the creation of the Next Generation Science Standards (NGSS).

Sam Shaw is heading up a committee representing South Dakota as a lead state in the creation of the NGSS. Come learn more about the future of science in South Dakota!

Presenter: Sam Shaw, SD Department of Education

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Presenter: Dr. Wendi Laurence, NASA Curriculum Development Specialist

Galleries F & G: "Have a Blast at Rocket Camp"

Description: NASA Summers of Innovation has designed a ready-to-use one day, two day or one week rocket camp. Come test out some of these exciting activities. We'll consider how you can best implement this into your 21st CCLC. One lucky participant will win a rocket launcher!

Presenter: Kristie Maher, SD Discovery Center Executive Director

3:20-3:30 – Break

3:30-4:20 – Breakout sessions

Amphitheater I: Mandatory meeting for 21st CCLC's who signed agreement with NASA Summer of Innovation program

Amphitheater II: "The Change in Vision for Science Education" - Framework for K-12 Science Education

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Presenter: Sam Shaw, SD Department of Education

Galleries D & E: "Toys in Space"

Description: Toys in Space? Don't our astronauts have better things to do? Actually, on four shuttle missions crew members experimented with over 40 different toys to answer the questions of curious children, teachers, and parents who had suggested toy experiments and predicted possible results. A few dozen toys and a few hours of the crewmembers' free time have brought the experience of free-fall and an understanding of gravity's pull to students of all ages. Join us in this session to learn how you can use "Toys in Space" to microgravity down-to-earth for your students.

Presenter: Dr. Wendi Laurence, NASA Curriculum Development Specialist

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Presenter: Kristie Maher, SD Discovery Center Executive Director

4:20-5:00 – Visit booths and 21st CCL showcase and **door prizes!**