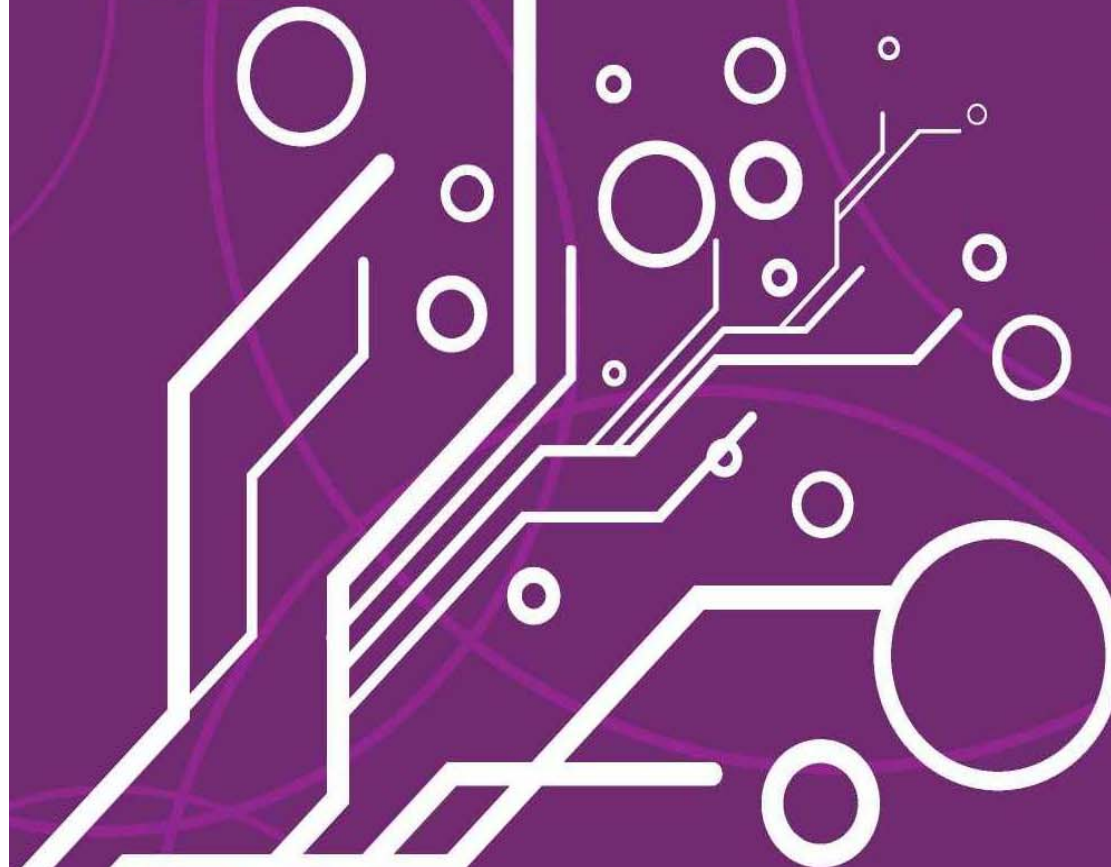


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August 31, 2010
Madison, WI

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Great Lakes Girls Collaborative Project



ABOUT US

GIRLS STEM COLLABORATIVE PROJECTS

The National Girls Collaborative Project is designed to bring together organizations throughout the United States that are committed to informing and encouraging girls to pursue careers in science, technology, engineering, and mathematics (STEM). State and regional collaborative projects across the country share this common goal and promote opportunities to share with and learn from each other. They vary in focus areas, populations served and partner organizations, but all work to increase gender equity in STEM fields. The goals are to:

- Maximize access to shared resources within projects and with public and private sector organizations and institutions interested in expanding girls' participation in STEM.
- Strengthen capacity of existing and evolving projects by sharing promising practice research and program models, outcomes and products.
- Use the leverage of a network or collaboration of individual girl-serving STEM programs to create the tipping point for gender equity in STEM.

The Wisconsin Girls Collaborative Project (WGCP), established in 2005, is part of the Great Lakes Girls Cooperative Project (GLGCP). In 2009, WGCP awarded 5 mini-grants to local collaborations creating STEM-related programs and activities for girls.

The Wisconsin Girl's Collaborative

does not discriminate on the basis of sex, race, color, religion, creed, age, national origin, ancestry, pregnancy, marital status or parental status, sexual orientation, or disability. The project affirms and invites diverse participants and collaborations.



MORNING PROGRAM

8:30 am Registration, Room K-L

9:00 am Welcome and Introduction

Laurie Benson, LB Unlimited & NGC Champions Board

Elma Anderson, American Association of University Women—Wisconsin

Rosalyn Pertzborn, UW-Madison, Space, Science and Engineering Center & NGC Champions Board

9:30 am The NGC Mini-Grant Experience

Diane Pollard, UW-Milwaukee, Moderator

- Project Presentations, Mentors & Students
- Discussion

10:45 am Break

11:00 to 12:00 STEM Workshop for Students

11:00 am Best Practices in Marketing STEM to Girls

Kimberly Howard, UW-Madison

Becky Nutt, Oneida Nation High School

11:30 am Speed Networking!

Led by Nancy Graese, CESA #11

12:00 pm Lunch

Special Guest

Bill Nye the Science Guy



Bill Nye is the host of three currently-running television series. His latest project, “Stuff Happens,” is about environmentally responsible choices that consumers can make as they go about their day and their shopping. Bill Nye, scientist, engineer, comedian, author, and inventor, is a man with a mission: to help foster a scientifically literate society, to help people everywhere understand and appreciate the science that makes our world work. Making science entertaining and accessible is something Bill has been doing most of his life.

AFTERNOON PROGRAM

1:00 pm **Talk with Scientists: An Opportunity for Students and Mentors to Meet with an International Panel of Venus Researchers**

1:30 pm **You be the Scientist: Mysteries of Venus Classroom Activity**

- Venus Presentation, Dr. Sanjay Limaye, UW-Madison Space, Science and Engineering Center
- Venus Cloud Tracking Activity

3:25 pm **Conference Closing**
please complete your program evaluation

3:30 to **Mini-Grant Workshop (Optional)**

4:00 pm Barbara Bitters, WI Department of Public Instruction
Loretta Krenitsky, Milwaukee School of Engineering

This workshop is for program staff, teachers and others that may be interested in applying for a 2010/2011 Girls & STEM Mini-Grant. This session will focus on:

- 2010/11 grant opportunities and grant cycle
- How to write a proposal for a NGC Mini-Grant
- Identifying relevant activities for grant applications



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2009 Grant Recipients

BUILD YOUR OWN COMPUTER WORKSHOP

Big Brothers Big Sisters of Dane County & DANENet

contact: Kristin Burki, kburki@bbsmadison.org

Youth enrolled in Big Brothers Big Sisters will attend a "Build Your Own Computer" workshop with their "Bigs" (mentors). Upon completion, youth will learn how to install hardware and software into a computer they will get to keep. Recruitment is focused on "Little Sisters."

DIGITAL BACKPACK STORYTELLING

Girls Scouts of WI Southeast & Waukesha County Technical College

contact: Mary Black, mblack@gswise.org

This project allows girls in grades 4-5 to experience digital medial technology and create a movie or digital scrapbook. Participants will learn interview techniques, photo composition, movie storyboarding, and digital camera and camcorder skills; conduct and film interviews; and edit footage to create a finished movie or digital scrapbook with sounds, text and narration. Waukesha County Technical College staff and students provide instruction and guidance.

ROCKETS FOR SCHOOLS ALL-GIRLS TEAM

Oneida Nation High School & Space Education Initiatives Inc (DePere)

contact: Susan Hayes, shayes@oneidanation.org

The all-girls team will build a high-powered rocket with payload capable of attaining an altitude of 3,000 feet and compete in the Rockets for Schools program in Sheboygan, WI. The team will also give a presentation, create a display board and compete in an academic challenge on aerospace. The Oneida culture is expressed through naming and painting the rocket. *Recipient of a Wisconsin Association of Independent Colleges and Universities (WAICU) Girls & STEM Mini-Grant*

ROCKETS FOR SCHOOLS ALL-GIRLS TEAM

Sheboygan County 4-H & Milwaukee School of Engineering

contact: Tammi Luebke, tamlue@aol.com

This girls team has successfully competed for three years in the Rockets for Schools Class I program and would like to expand to Class II. The Class II program requires a larger rocket and more sophisticated equipment for the payload. *Recipient of a Wisconsin Association of Independent Colleges and Universities (WAICU) Girls & STEM Mini-Grant*

YWCA GIRLS CLUB STORYTELLING CAMP

YWCA Wausau, UW Marathon County & Northcentral Technical College

contact: Geri Heinz, gheinz.ywca@verison.net

This camp uses ALICE storytelling software to show middle school girls how to use a computer to create their own animated story, characters and plot. A goal of the camp is to encourage the girls to pursue opportunities in the area of technology in their school and communities. At the end of camp, each girl receives a flash drive with the program and their project downloaded for future use.

