

THANK YOU TO OUR GRANT REVIEWERS

Blue Ribbon Panel

Michael Burke, 2007 National Withrow Award recipient for technology leadership

Kim Haugo, 2007 TIES Exceptional Teacher

Karen Jochen, Qwest Area Manager of Minnesota Public Policy

Mike Lindstrom, Executive Director, SciMathMN

Mary Mehsikomer, Network Coordinator for NWLinks

Sara Preiner, 2007 Qwest grant recipient

Initial Review Panel

Chad Benesh

Karen Coblentz

Loren Gratz

Debbie Hoffman

Renee Jesness

Leah Delia Larson

Denise Laymon

Travis Lindgren

Kristen Mastel

Cheryl Meld

David Paschke

Donna Peterson

Judith Rodgers

Yvonne Sorenson

Ray Sperl

Kate Tinguely

Kim Volger

Nancy Walton

Valerie Williams

Brian Wickenheiser



Teachers & Technology Grant Program



August

2009

Qwest, MBP Present 13 Teachers & Technology Grants

Through the 2009 Qwest Teachers and Technology Grant Program, the Minnesota Business Partnership and the Qwest Foundation teamed up again this spring to present \$93,000 in technology grants to 13 Minnesota public school teachers.

2010 Applications

The Qwest Foundation is proud to announce that the Teachers and Technology Grant Program will continue in 2010.

Applications Available
September 8, 2009
www.mnbp.com

“This year’s winning teachers are working hard to bring new technologies and innovative real-world lessons into classrooms,” said John Stanoch, Minnesota president of Qwest and chair of the MBP Education Policy Committee. “We are proud to be able to help in their efforts and reward their hard work.”

The program, administered by the MBP Education Foundation, received outstanding applications from more than 80 public school teachers and presented awards ranging from \$4,481 to \$7,500.

A project summary and sample lesson plan from each of the winning proposals are available at www.mnbp.com.



Allison Hinderlie (center), a teacher at Oak Park Elementary School in Stillwater, receives a big check from Qwest Minnesota President John Stanoch (right) and MBP Executive Director Charlie Weaver.

Interactive education

Most proposals included interactive whiteboards, enabling teachers and students to see and work with the same content.

Allison Hinderlie (pictured above), who teaches at Oak Park Elementary in Stillwater, was among those who emphasized the value

“Most students know how to download music and text, but how many know how to participate interactively in the classroom (or business). . . ?”

*Shelly Geurts
Pheonix Learning Center, Buffalo*

of capturing and analyzing data from student responses to improve learning.

“Pretests and formative assessments are amazing aids in

helping educators understand how to best meet individual student needs. However, due

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2009 Qwest Teachers and Technology Grant Recipients

Project narratives and sample lesson plans submitted by each of the recipients are available by clicking individual project titles or at www.mnbp.com

ELEMENTARY SCHOOL RECIPIENTS

JULIE ROY-DAHLINE

Southwest Elementary, Grand Rapids

"Animals: Should I Stay or Should I Go?"

Whiteboards, projectors and hand-held thermometers

Second- and third-grade students will be introduced to the Internet, as they work collaboratively to research animals native to Northern Minnesota. They will use whiteboards to develop interactive demonstrations and presentations linked to the school website for public viewing.

DIANE GIORGI

Lino Lakes Elementary

"C.S.I. Wolves: Uncovering the Facts"

Laptops, student response system, digital cameras

Using a class wiki, student investigative teams will post notes, comments and links to online resources supporting the "guilt or innocence" of wolves at an alleged "crime scene." Teams will videotape "public

service announcements" incorporating their findings and uploaded their PSAs to TeacherTube, an education-based video-sharing site.

ALISON HINDERLIE

Oak Park Elementary, Stillwater

"Senteos in Stillwater"

Interactive student response systems

This project will use whiteboard technology to produce tailored lessons, interactive, kinesthetic experiences, math games, formative assessments and more to create an interactive math classroom. Data will be exported to spreadsheets, enabling teachers to identify and meet specific academic needs.

SHEENA NELSON

Franklin Elementary/Nelle Shean Elementary, Eveleth

"Claymation Time!"

Whiteboards, projectors, graphics and drawing software

Student teams will work with computers, whiteboards and cameras to create claymation videos. They will learn how to depict a story using technology, demonstrating an understanding of focus, quality of ideas and a purpose through their storyboards and clay figures.



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A river runs through these proposals

Two successful grant applications this year requested funding for technology to help students collect and analyze water quality data - and share that data with agencies and organizations that are tracking water quality.

RITA CRAMER-CURTIN & LAURA WEIERS

Le Sueur Henderson High School, Le Sueur

"Use of Technology in Monitoring the Minnesota River"

Laptops, lab kits, water quality sensors and probes

Each spring and fall, students will test, collect and analyze data from the Minnesota River as it enters and leaves Le Sueur and at certain points in between. In addition to conducting their own analysis, results will be sent to the Minnesota Pollution Control Agency to help monitor the river's water quality.

PETER WEESS

Winona Senior High School, Winona

"Project Watershed"

Hand-held GPS and microscope, water quality sensors and probes, laptops

A 20-inch rainfall in August 2007 scoured Winona County creeks and rivers down to bedrock. Through "Project Watershed," students will monitor the recovery of the watershed. They will link data to exact locations and enter data on the Leaf Pack Network, an international network of teachers and students investigating local stream ecosystems.

JAMES OLSON

Nettleton Elementary, Duluth

"Where We Live - Making a Difference"

Video conferencing unit

Using the Duluth Public Schools core reading curriculum, StoryTown, fifth-graders will work in groups to plan and facilitate interactive lessons via videoconferencing to the first-grade classroom.

The first-graders will follow up by working in groups to create a community map and sharing it with the fifth-graders.



“Students will learn that science is not simply the transmission of

facts; it is a dynamic field that involves the interpretation of measurements and observations.”

Scot Hovan
Mahtomedi High School

discussions will be recorded and broadcast on the local cable channel.

SCOT HOVAN

Mahtomedi High School
“Modeling Physics”
Computers, sensors and detectors

Students will design and conduct experiments with probes, sensors and motion detectors to provide real time data collection, identify patterns, create linear graphs, write equations to test hypotheses and conduct experiments to test their ideas.

PAUL SCHREMPPE

Madison Elementary School, Blaine
“Constructing Geometric Figures Using Promethean Interactive Whiteboard”
Whiteboard, student response system

Students will use whiteboard technology to visualize and manipulate graphics and real-life pictorials. Interactive rulers and protractors will allow students to actively participate and engage with the material.

HIGH SCHOOL RECIPIENTS

MERCEDES GABSE

Burnsville High School Senior Campus
“Real-Time, Online Writing Mentorship”
Whiteboard and projector

Seniors in the creative writing course will use whiteboards and videoconferencing technology to mentor seventh- and eighth-graders who are struggling with their writing skills before taking the MCA-II Writing test in ninth grade.

SHELLY GEURTS

Phoenix Learning Center, Buffalo
“Teaching and Learning with Technology”
Whiteboard, projector and laptops

Interactive whiteboard and videoconferencing technology will connect students to speakers around the world, beginning with several speakers from Norway, a Washington, D.C., reporter, and a government/ military consultant. These

JONATHAN JONES

Northeast Metro 916 Intermediate School District, White Bear Lake
“Electronic Portfolios: Transitioning into the Real World”
Whiteboard, student response system, digital cameras and wiki pages

The Transition Program prepares students with autism spectrum disorders, emotional behavioral disorders, and other neurobiological disabilities to live meaningful and productive lives. Through the e-portfolios project, students will produce a multimedia CD to share with service providers, demonstrating the program’s social development philosophy of Cooperation, Assertiveness, Responsibility, Empathy and Self-Control.

DAVID NUNEZ

Intermediate District 287, Robbinsdale
“Real Life Documentaries”
Digital cameras, video cameras, external hard drives, creative software

Through “Real Life Documentaries,” students in the program - pregnant and parenting teens - will write, storyboard, produce and edit short documentaries about their experiences as teen mothers. The films will be published along with pictures and essays in a collaboratively produced wiki book.

3 YEARS
38 GRANTS
\$250,000

Over the past three years, the Qwest Teachers and Technology Grant Program has presented 38 grants totalling nearly \$250,000 to teachers across Minnesota, including:

2008

Ellen Eigner, Rutherford Elementary, Stillwater

Jennifer Rollings, Jackson County Central, Jackson

Monica Headlee, Tracy Area Public School

Chad Davidson, El Colegio Charter, Minneapolis

Raymond Sperl, Cambridge Isanti High School, Cambridge

Mary Regelstad, Lake Park Audubon Elementary, Lake Park

Mitchell Maxwell, BOLD High, Olivia

Brian Wickenheiser, Winterquist Elementary, Esko

Jan Clements, John Clark Elementary, Rockville

Larry Mascotti, Mayo High School Planetarium, Rochester

Wayne Feller, Stonebridge Elementary, Stillwater

Kathleen Meyer, Willmar Senior High

Chad Benesh, Sobriety High, Edina

Mary Ann Rogers, Washington Technology Magnet, St. Paul

Travis Lindgren, Central Middle School, East Grand Forks

2007

Peggy Bennett, Sibley School, Albert Lea

Carol Broadnax, Highland Catholic School, St. Paul

Laurie Jensen, Orono Middle School

Jesse Murray, Holy Rosary School, Duluth

Paul Keeney, Oak View Middle School, Andover

Ben Knaus, Cityview Performing Arts, Minneapolis

Gary Mansergh, Blaine High School

Michael O'Connor, Roosevelt High School, Minneapolis

Sara Preiner, Garden City Elementary



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Many of the 2009 Teachers & Technology grant recipients are making use of the Internet to share student work with a wider audience outside the classroom. David Nunez (above) teaches English at an Area Learning Center

in Intermediate District 287. Through "Real Life Documentaries" unit, his students will write, storyboard, produce and edit brief documentaries about their experiences as teen mothers. Those documentaries, along with pictures and collected essays, will be published in a collaboratively created wikibook. The process, Nunez wrote, will "create a tremendous sense of accomplishment and ownership in the students, most of whom have never had the opportunity to speak out about their lives before."

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to the time requirement of traditional paper/pencil assessments, sometimes we don't learn of these needs when it would be most valuable," Hinderlie wrote. "By using remotes, we will have live and immediate data to assess student understanding and growth, and will be able to adjust our lessons, as needed."

In other cases, the audience is broader. Projects may be posted on the school website or uploaded to sites with a much wider appeal.

"The fact that their videos (posted on TeacherTube) will have an authentic world-wide audience will raise the bar as teams consider the accuracy of their research and the quality of their final product," said Lino

Information travels in both directions

Many of the proposals include plans to introduce younger students to the Internet and help older students navigate the web to find information and resources.

"The fact that their videos will have an authentic worldwide audience will raise the bar as teams consider the accuracy of their research and the quality of their final product."

Lakes Elementary School teacher Diane Giorgi.

"Technology is transforming every aspect of our lives," said MBP Executive Director Charlie Weaver. "It is exciting to see how teachers

Diane Giorgi
Lino Lakes Elementary School

Many of the lesson plans also include using the web to share student projects and information with audiences outside the classroom. In some cases, students share results with specific project partners, such as the Minnesota Pollution Control Agency.

are applying technology tools in the classroom to engage students, improve learning and prepare them for 21st century careers."

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