

MATRIX Year One
November 1, 2004 – September 30, 2005

Camden County Vocational School District

County: Camden
Partnering Districts: Lawnside, Haddon Heights
Award Amount: \$124,340.00

Schools: Lawnside: Lawnside Public Elementary School, Haddon Heights: Haddon Heights Jr-Sr High School
Non-public Schools: Holy Rosary, St. Rose of Lima

Contact Information

Project Director:
Ms. Patricia Null
343 Berlin Cross Keys Road
Sicklerville, NJ 08081

(856) 767-7000
pnull@ccts.tec.nj.us

Superintendent:
Mr. Gary G. Bennett, Superintendent
(856) 767-7000

Project Description

Through this initiative, in partnership with the Lawnside and Haddon Heights Public Schools along with our non-public partners, Holy Rosary School, and St. Rose of Lima the Camden County Educational Technology Training Center (ETTC) has developed a continuing and comprehensive plan that will ensure success in mathematics for students in grades six through eight.

The program is designed to increase achievement in mathematics for students in grades six through eight by providing classroom teachers and administrators with ongoing professional development and yearlong in-class (mathematics) mentoring and modeling support. Professional development will focus on integrating technology into the curriculum and instruction, as well as focusing on improving the delivery of mathematics instruction. Through this initiative, all partners are striving for a three-year goal of improving mathematics scores on the New Jersey standardized test (GEPA) for all eighth grade students.

Technology Used

1. Laptop Computers
2. Printers
3. LCD projectors
4. Hubs/routers to connect a wireless environment
5. Handheld Technology
6. Mathematical Software

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Deptford Township School District

County: Gloucester Partnering District: Woodlynne Award Amount: \$124,340.00	Schools: Lake Tract School, Monongahela Middle School Non-public Schools: Most Holy Redeemer, St. John
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Contact Information

Project Director: Mrs. Gloria McCoy 2022 Good Intent Road Deptford, NJ 08096 (856) 232-2700 mccoy.g@deptford.k12.nj.us	Superintendent: Ms. Marie R. Louis, Superintendent (856) 232-2700
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Project Description

Monongahela and Lake Tract Schools in Deptford and Woodlynne School will be using the Matrix Grant to enhance instruction and achievement in mathematics through the use of technology in grades 6 and 7. There will be an intensive staff developing and mentoring program for teachers to provide ongoing support in new teaching strategies and in ways of integrating technology into their daily instruction. Teachers and students will use calculators and software, such as Geometer's Sketchpad, GollyGee Blocks, and Excel to better understand mathematical concepts. Students will participate in an after-school and summer enrichment program to improve achievement in mathematics. Students will create multimedia projects displaying their understanding of mathematical concepts.

Technology Used

1. Computers: Laptops and Desktops
2. LCD Projector
3. Software – Excel, Geometer's Sketchpad, GollyGee Blocks, and PowerPoint
4. Calculators

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Elizabeth School District

County: Union

Award Amount: \$124,340.00

Schools: Battin Middle School, McAuliffe Middle School

Non-public Schools: Bender Memorial Academy, Benedictine Academy, Blessed Sacrament, Jewish Educational Center, Elizabethport Catholic, St. Anthony, St. Genevieve, St. Mary's Elementary, Trinity Christian

Contact Information

Project Director:

Mrs. Julia Stapleton
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Elizabeth, NJ 07208

(908) 436-5301
stapleju@elizabeth.k12.nj.us

Superintendent:

Mr. Thomas G. Dunn, Jr., Superintendent
(908) 436-5010

Project Description

Through the MATRIX program, students and teachers in Elizabeth's Battin and McAuliffe Middle Schools are having mathematical ideas represented in many different technology-delivery formats, hence assisting both teachers and students to understand mathematical relationships in different ways. Stevens Institute of Technology Center to Improve Engineering and Science Education (CIESE) is key in mentoring teachers and supporting ongoing student activities, The heart of Elizabeth's MATRIX program is to provide sustained and continuous professional development based on identified needs and ongoing assessment for the the two public schools and the nine nonpublic schools in the grant program.

Technology Used

SOFTWARE PROGRAMS/TOPICS:

1. Web-based Resources for Mathematics
2. Drawing Circle Graphs with Sketchpad
3. Exploring Special Pairs of Angles
4. Using GSP to make the circle graph
5. Exploring Translations
6. Exploring Rotations
7. Semi-regular Tessellations
8. Transformations on the Coordinate Grid
9. My Dear Aunt Sally: What is Order of Operations All About Anyway?
10. How the West was $1+3*4$ - the Return Trip

HARDWARE:

Both Battin and McAuliffe already have a mobile labtop cart in each school and at least five computers in every classroom.

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Englewood City School District	
County: Bergen Award Amount: \$124,340.00	School: Janis Dismus Middle School Non-public Schools: St. Cecilia Interparochial, Moriah Hebrew Day School
Contact Information	
Project Director: Dr. Richard Segall Suite 101 12 Tenafly Road Englewood, NJ 07631 (201) 862-6239 rsegall@epsd.echalk.com	Superintendent: Mrs. Carol Lisa, Acting Superintendent (201) 862-6241
Project Description	
<p>The Englewood MATRIX project will use project-based learning activities with heavy use of digital technology to help students develop conceptual understanding in mathematics. Emphasis will be placed on those components of the GEPA onm which our students have traditionally underachieved. Students will create multi-media presentations and mini-teaching units on the topics using these concepts. Teachers will have on-going professional development on quality math instruction and how to use the computer resources to engage students in constructivist learning activities. The computers will also be used to enable teachers to create learning stations in the classroom to differentiate instruction.</p>	
Technology Used	
<ol style="list-style-type: none">1. Wireless network2. Ten wireless laptop computers per classroom with charging station3. Digital cameras4. Camcorders5. Web-based subscription programs for mathematics development (district financed, project enabled to more students)	

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Hackensack School District

County: Bergen

Award Amount: \$124,340.00

School: Hackensack Middle School
Non-public Schools: Holy Trinity, St. Francis

Contact Information

Project Director:

Mr. Richard Yannarelli
360 Union Street
Hackensack, NJ 07601

(201) 646-7842

r.yannarelli@hackensackschools.org

Superintendent:

Dr. Joseph Montesano, Superintendent
(201) 646-7830

Project Description

This grant has given Hackensack Middle School the opportunity to make significant changes in the Standardized performance of the children. It will truly allow the hard work of the teachers that has consistently been taking place to show on paper. Because this grant is focused on Mathematics and Technology, it gives all Mathematics teachers (including Literacy, Bilingual and Core) control over a wide range of decision-making programs. By the 3rd year all of the Mathematics teachers will be trained to use all of the above listed technology. Aside from the technology that is a large component of this grant one of the biggest factors in this programs' "uniqueness" is the fact that there is a very important Parent and Community involvement. The cooperation of the Community After School Academy (CASA) and the creation of a website where parents can be involved will be an extremely useful tool.

Technology Used

1. SuccessMaker, data analysis, constructing technology-integrated units of study. (Offered in the language, Spanish or English, which is most beneficial for the student in Bilingual classes.)
2. Geometer's Sketchpad®
3. Math Type
4. LoTi
5. Three Smartboards
6. 24 brand new DELL computers

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Keyport School District

County: Monmouth Partnering District: Red Bank Award Amount: \$124,303.00	School: Keyport Central Elementary School Non-public School: St. Joseph
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Contact Information

Project Director: Mrs. Terry Pilitzer 335 Broad Street Keyport, NJ 07735 (732) 264-0194 terry_pilitzer@keyportschools.org	Superintendent: Dr. John S. Dumford, Superintendent (732) 264-2840
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Project Description

Through the Matrix Grant, The Keyport School District and Red Bank Borough Public Schools have agreed to work collaboratively to increase student achievement in mathematics in grades six and seven by providing classroom teachers ongoing professional development and in-class support that focuses on infusion of technology into the math curriculum and instruction.

Year one of this Grant will provide teachers, in grades six and seven, with the professional development activities necessary to complete a Geocaching project. This project will introduce the use of Palm Pilots, Global Positioning (GPS) units, digital web-based atlases, handheld compasses, and Geoboards into the math curriculum.

Through professional development activities and on-going classroom support, teachers will be able to provide technology based instruction so that students will learn, hands-on, the use of GPS units for mapping, identifying waypoints, and directions. Through the use of Geoboards students will be able to visualize the concepts of squares, rectangles, triangles and polygons. They will explore line segments, areas, and perimeters. Additionally, students will identify and locate specific points using compass directions. The Palm Zire handheld will allow students to input data, store information, and keep logs on the field. Students will be required to use math and communication skills to complete an authentic-learning collaborative project involving higher order thinking skills known as Geocaching. Students in each district set up caches, hiding places for concealing and preserving treasures. The ultimate goal is for the students to reveal the partnering school's treasure. Geocaching relies heavily on such mathematical skills as proportions, coordinate graphing and algebraic methods. Through the use of a digital web-based atlas and a handheld compass, students will understand the concept of direction.

Technology Used

1. Palm Pilots
2. Global Positioning (GPS) units
3. Digital web-based atlases
4. Handheld compasses
5. Geoboards

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Magnolia Borough School District

County: Camden
Partnering Districts: Laurel Springs,
Somerdale, Stratford
Award Amount: \$124,340.00

School: Magnolia Elementary School
Non-public School: Our Lady of Grace

Contact Information

Project Director:
Mrs. Kelly Livingston
420 N. Warwick Rd.
Magnolia, NJ 19026

(856) 783-2994
kelly.livingston@rcn.com

Superintendent:
Dr. Warren Pross, Superintendent
(856) 783-6343

Project Description

The Magnolia School district is part of the Sterling Interdistrict. Additionally the Laurel Springs School District, the Somerdale School District and the Stratford School District are also a part of the Sterling Interdistrict as well as Our Lady of Grace, our nonpublic partner. In ninth grade all the students from these elementary schools meet at Sterling Regional High School.

Through this endeavor it is our plan to engage all students in experiences that will lead them to a deeper understanding of mathematical concepts through ongoing professional development and yearlong in-class (mathematics) mentoring and modeling. Of equal importance is equipping our students with the problem-solving skills necessary to live in our complex technological world.

It is our vision to obtain this goal through the integration of technology into the mathematics curriculum. Teachers and students will be become proficient technology users as well as mathematically literate.

Technology Used

1. Laptop Computers
2. Printers
3. LCD projectors
4. Hubs/routers to connect a wireless environment
5. Handheld Technology
6. Mathematical Software

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Middle Township School District

County: Cape May
Partnering District: Ocean City
Award Amount: \$124,312.00

School: Middle Township Middle School
Non-public Schools: Cape Christian,
Bishop McHugh

Contact Information

Project Director:
Mrs. Susan Ross
300 East Pacific Avenue
Cape May Court House, NJ 08210

(609) 465-1834
rosss@mtps.sjtp.net

Superintendent:
Mr. Michael J. Kopakowski,
Superintendent
(609) 465-1800

Project Description

The Middle Township Middle School MATRIX grant program seeks to extend and support student learning and achievement through the infusion of technology in an 88 minute block of Mathematics instruction. Our program provides onsite mentoring and an abundance of professional development opportunities to support mathematics instruction that aligns with the NJ CCCS. Daily utilization of specific technological hardware and software that directly supports and integrates technology with Mathematics instruction to enhance student learning will help us to develop a math program that actively engages all students and teachers in predicting, constructing, and analyzing concepts, patterns, and contrasts within the curriculum. Our MATRIX web site will provide a venue for teachers and students to share mathematical ideas and projects that are developed during the grant with their peers.

Technology Used

1. Math Lab
2. Graphing Calculators
3. Smart Boards
4. LCD Projectors
5. Classroom Performance System (CPS)
6. CPS Software
7. Brainchild's Achiever Software
8. Mathematics software

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Millville School District

County: Cumberland
Partnering Districts: Woodbine, Lawrence,
Maurice River
Award Amount: \$124,340.00

School: Lakeside Intermediate School

Contact Information

Project Director:
Mr. Steve Price
PO Box 5010
Millville, NJ 08332

(856) 327-6033
steven.price@millville.org

Superintendent:
Dr. Shelly Schneider, Interim
Superintendent
(856) 327-7575

Project Description

The Millville and Woodbine school districts are partnering in the MATRIX project to address significant needs of our intermediate school students. Key to our plan will be a partnership with Rowan University and their Mathematics department to provide extensive, ongoing professional development. The main goal of this program is to increase individual student achievement in the area of mathematics. The third year of our program will include two more Millville sending district schools, Maurice River Township and Lawrence Township. Upon completion of this project, students entering ninth grade will share like math and technology skills. This focused staff training, combined with dedicated technology resources and our research-based initiatives, will lead to significantly improved results for our students.

Technology Used

1. Computers- Desktop and Laptop
2. Printers
3. Multimedia Projectors
4. Smart Boards
5. Projection Screens
6. Web-based Projects
7. Applicable Software i.e. Tinker Plots and Geometer's Sketch Pad

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Monroe Township School District

County: Gloucester
Partnering Districts: Westville, Gateway
Award Amount: \$124,339.00

School: Williamstown Middle School
Non-public School: St. Mary's

Contact Information

Project Director:
Mrs. Denise Milam
561 Clayton Avenue
Williamstown, NJ 08094

(856) 629-7444
dmilam@monroetwp.k12.nj.us

Superintendent:
Dr. Robert Terrill, Superintendent
(856) 629-6400

Project Description

A consortium of 3 schools was created to provide a partnership for students and teachers using Connected Mathematics & Everyday Math in a technology-infused environment. Students and teachers will connect the math to real problems using structured Project-Based Learning methodology. Project-based learning will take place in the classroom environment using real work place scenarios and technology, such as spreadsheet & presentation software, notebook computers and wireless Internet.

Technology Used

1. Wireless Laptop Computers for students & teachers (Charging cart of 16 for students)
2. Networked Color Printer
3. LCD Projector
4. USB Scanner
5. USB Proscope
6. Audio/Video Technology, including speakers, audio cable, firewire drives & compact disks
7. In addition to the above grant purchased technology, students will be using video-conferencing, graphing calculators, digital cameras/cam corders when appropriate.

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Mullica Township School District

County: Atlantic
Partnering District(s): Hamilton
Award Amount: \$124,340.00

School: Mullica Township Middle School
Non-public School: St. Vincent de Paul

Contact Information

Project Director:
Ms. Ginger MacBrair
5801 Third Street
Mays Landing, NJ 08330

(609) 625-6601
macbrairg@hamiltonschools.org

Superintendent:
Dr. David Dunlevy, Superintendent
(609) 561-3868

Project Description

This partnership grant will provide training for staff and instruction for students in grades 6 and 7 in year 1. The training will be provided through the ETTC of Atlantic County. The plan will be to have a consultant that will work with each school district and will provide on-site, sustained training in the teaching of mathematics concepts. The consultants who will be working with our district include: Dr. Betsy McShea, and Dr. Jean Sindhikara, of The Richard Stockton College. In addition, each grade level will be trained to use a new DANA cart by Alphasmart to provide technology applications that will enhance instruction. Dr. Paul Lawrence has been scheduled to provide a summer institute to all teachers in the project. This intensive professional development will provide staff with the skills and information needed to improve instruction in mathematics for all students.

The exchange of information between districts will also include the following:

- The Mullica Township School District has developed a successful test preparation and skill development component that enables students to meet with success. They will share this information and the format for implementing it with the Hamilton Township teachers.
- The Hamilton Township School District has developed Curriculum Maps for Mathematics in grades 2 through 8 through the Comprehensive School Reform grants awarded to the district. The Hamilton teachers will share this information, and the process of developing curriculum maps and instruction with the Mullica teachers.

Teachers in both schools will develop technology-based instruction and activities that will encourage students to master mathematics skills and to become proficient in the use of these skills. These activities will also encourage students to enjoy the use of mathematics concepts and skills.

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New Brunswick School District

County: Middlesex
Partnering District: Greater Brunswick Charter
Award Amount: \$124,192.00

Schools: Paul Robeson, A.C. Redshaw
Non-public School: St. Peter's

Contact Information

Project Director:
Dr. Kathleen Adleman
35 Van Dyke Ave.
RM 318
New Brunswick, NJ 08901

(732) 745-5300
kathleen_adleman@nbps.k12.nj.us

Superintendent:
Dr. Richard Kaplan, Superintendent
(732) 745-5414

Project Description

The New Brunswick MATRIX program is a partnership that includes St. Peter the Apostle Elementary School, The Greater Brunswick Charter School and the New Brunswick Public Schools. Through a series of workshop and mentoring cycles teachers and students are exploring mathematics through the technology of web-based virtual manipulatives and mathematics activities, as well as creating projects using the internet. Classes are also learning about and using Geometer's Sketchpad as a tool for mathematical investigations. Participating teachers will also use portable presentation stations, a wireless laptop computer and projector, to infuse technology into their math lessons. Students will respond to questions and quizzes using interactive keypads from eInstructions Classroom Performance System to provide teachers with immediate feedback on student understanding. Through the MATRIX grant students in New Brunswick will have the opportunity to learn mathematics using technology and to reach higher levels of mathematics achievement. MATRIX teachers will use the latest technology tools, receive ongoing in-class mentoring, and attend conferences to bolster a sense of professionalism and hopefully to increase teacher retention.

Technology Used

1. Wireless laptop computer
2. LCD projector
3. Geometer's Sketchpad and Inspiration software to support classroom investigations and projects
4. Internet access to support lesson development
5. Teachers and students will use the Classroom Performance System from eInstruction to collect immediate feedback on student achievement.

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Newton School District

County: Sussex Partnering District: Hopatcong Award Amount: \$124,340.00	School: Halsted Street Middle School
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Contact Information

Project Director: Mrs. Karen Perez 59 Halsted St. Newton, NJ 07860 (973) 383-7440 kperez@halsted.org	Superintendent: Mr. Robert Gratz, Chief School Administrator (973) 383-7392
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Project Description

We are so thrilled to be involved in the Matrix Grant for numerous reasons. Our teachers are looking forward to collaborating with teachers from another District in order to share ideas. The professional development involved with this Grant is extensive and the teachers involved embrace the opportunity to increase their technology skills. We are able to involve our parents by offering family math nights and open computer lab sessions that have not been previously available. The increase in the amount of computer equipment and software will provide our students greater access to technology. This Grant is targeting specific student weaknesses ensuring that our students are better prepared for future course work in mathematics.

Technology Used

1. 24 new computers
2. Laptops for the grant teachers
3. Three Smart boards
4. Geometry Sketchpad software
5. Excel Software

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Oxford Township School District	
County: Warren Partnering District: Alpha Award Amount: \$124,340.00	School: Oxford Central Elementary School Non-public School: St. Phillip & James School
Contact Information	
Project Director: Mrs. Jeanne Kimball 17 Kent Street Oxford, NJ 07863 (908) 453-4101 jkimball@warrennet.org	Superintendent: Mr. Dennis Wolf, Chief School Administrator (908) 453-4101
Project Description	
Oxford School District will partner with Alpha School District to increase student achievement through the effective integration of technology into the math curriculum and instruction, provide classroom teachers with intense, ongoing professional development opportunities and improve the delivery of math education. Our participating schools will be utilizing the University of Chicago Transition Math Series, graphing calculators and mobile laptop carts in order to increase student achievement while integrating technology into the curriculum.	
Technology Used	
1. Mobile laptop carts 2. Graphing calculators	

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Passaic City School District

County: Passaic

Award Amount: \$124,340.00

Schools: Lincoln Middle School,
Elementary School #14

Non-public Schools: St. Anthony of
Padua, Yeshiva Beit Hillel

Contact Information

Project Director:

Mr. Leon Greff
101 Passaic Avenue
Passaic, NJ 07055

(973) 470-5137

lgreff@passaic-city.k12.nj.us

Superintendent:

Dr. Robert Holster, Chief School
Administrator
(973) 470-5201

Project Description

Sponsored by the NJ Department of Education's Math Achievement To Realize Individual eXcellence (MATRIX) grant program, the Center for Innovation in Engineering and Science Education (CIESE) at Stevens Institute of Technology and the Passaic-City School District are collaborating to improve sixth, seventh, and eighth grade student achievement in mathematics through ongoing teacher professional development and in-class support that focuses on effectively integrating technology into teaching and learning. Utilizing calculators, computers, and Internet-based resources, the MATRIX grant will allow the teachers to engage students in authentic mathematic problems and activities aligned to the district curriculum and the New Jersey Core Curriculum Content Standards, thereby making learning more exciting and more relevant to modern society.

Technology Used

1. Calculators
2. Computers
3. Internet-based resources

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Penns Grove-Carneys Point Regional School District

County: Salem Partnering District: Oldmans Award Amount: \$124,300.00	School: Penns Grove Middle School
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Contact Information

Project Director: Mr. Joseph Jones 100 Iona Ave District Office Penns Grove, NJ 08069 (856) 299-0576 jjones1@pennsgrove.k12.nj.us	Superintendent: Dr. Joseph A. Massare, Superintendent (856) 299-4250
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Project Description

The concept of the Penns Grove - Oldmans Matrix grant is to give the student access to learning on a 24/7 basis. We will give the student during the normal school day access to a teacher but also access at non-school hours. The student will have access to both an on-line course and a teacher both after school and at home. We are going for 24/7 learning.

Technology Used

1. ATM lines
2. On - Line courses
3. Internet
4. Servers
5. Computers
6. Course management software
7. Video Conferences
8. E-Mail
9. Chatrooms

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Plumsted Township School District	
County: Ocean Partnering Districts: Pemberton Township, Beverly Award Amount: \$124,340.00	Schools: Helen A. Fort Middle School, New Egypt Middle School, Beverly School
Contact Information	
Project Director: Dr. Christopher Tienken 423 Buckelew Avenue Monroe Township, NJ 08831 (732) 521-3331 ctienken@monroe.k12.nj.us	Superintendent: Dr. Gerald Woehr, Superintendent (609) 758-6800
Project Description	
<p>The program provides middle school teachers with ongoing, job-embedded professional development focused on integrating technology into the mathematics instruction. Teachers will work in small groups (n=2-4) with their mathematics supervisor, Ocean and Burlington Counties ETTC, and staff developers from Renaissance Learning to plan and implement technology infused lessons. Teachers will develop web pages to display work and conduct parent nights to foster community involvement. Students will utilize lap top computers to access web-based lessons using Renaissance Learning's suite of mathematics software. The software will track student progress through a series of assessments. Teacher attitudes toward technology integration and their technology skills will be measured through formal surveys, interviews, and questionnaires.</p>	
Technology Used	
Laptop computers	

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Trenton School District	
County: Mercer Award Amount: \$124,340.00	School: Martin Luther King Middle School Non-public Schools: Immaculate Conception, Holy Cross, Perkins Christian, Trinity Cathedral Academy
Contact Information	
Project Director: Ms. Cheryl Heath 108 North Clinton Ave Trenton, New Jersey 08609 (609) 656-4900 cheath@trenton.k12.nj.us	Superintendent: Dr. James Lytle, Superintendent (609) 656-4900
Project Description	
<p>The Math Achievement To Realize Individual eXcellence (MATRIX) grant program is designed to increase student achievement in mathematics in grades six through eight by providing classroom teachers on-going professional development and in-class support that focuses on integrating technology into the curriculum and instruction. Two seventh grade and two sixth grade teachers are participating in the grant, as well as other critical partners, such as the Principal and Technology Facilitator at MLK, Director of Technology, Teacher Specialist for Technology Integration, the Mercer County ETTC, and the local non-public schools. The Mercer County ETTC will provide a technology integration mentor to provide math and technology training in the classroom and after school. The projects include making a hotlist of websites for student access; creating teacher webpages to showcase student work and to act as a portal for students; and various multimedia projects, such as instructional units and word problem quizzes. We will also host summer and after hours trainings for students and parents.</p>	

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Union Beach Borough School District

County: Monmouth
Partnering District: Keansburg
Award Amount: \$124,060.00

School: Memorial Elementary School
Non-public Schools: St. Ann, Holy Family

Contact Information

Project Director:
Dr. George Franks
221 Moringside Avenue
Union Beach, NJ 07735-3098

(732) 264-5404
gfranks@ub.k12.nj.us

Superintendent:
Mr. Arthur J. Waltz, Superintendent
(732) 264-5405

Project Description

The main thrust of the grant program is to improve student mathematics scores on standardized tests. The grant project will enrich the academic program of students by enhancing the mathematics curriculum with the exploration of mathematical modeling, data analysis, statistics, forming conjectures, establishing justifications, and other problem-solving topics by integrating hand-held technology, specifically, graphing calculators with computer connectivity. Students will discover mathematics with the TI-73 graphing calculator as they work through a series of investigations that are designed to spark their curiosity and make them want to discover the mystery of why, and to motivate them to want to probe into some important mathematical concepts. All of the math concepts that will be addressed are indicated across the strands in the Core Curriculum Content Standards. The interesting problems and investigations that students will explore will enable them to gain a deeper understanding of mathematical concepts that will help them better approach the more routine problems that are on the standardized tests.

Technology Used

Graphing calculators

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Wharton Borough School District	
County: Morris Award Amount: \$124,317.00	School: Alfred C. MacKinnon Middle School Non-public School: St. Mary's
Contact Information	
Project Director: Mr. Christopher Herdman 137 East Central Ave Wharton, NJ 07885 (973) 361-1253 cherdman@wbps.org	Superintendent: Mr. Richard Bitondo, Superintendent (973) 361-2592
Project Description	
<p>Wharton is implementing a learning-active technology-infused classroom to promote the use of technology infusion through problem based learning. Teachers are receiving intensive training in technology-infusion, teaching strategies, and problem based implementation. The district has purchased and received a wireless dell laptop cart and is integrating its use into the classroom. Parent interaction is encouraged and is being promoted through planning of night meetings and the construction of a Matrix web page. Wharton is also extending resources to a local non-public educational institution.</p>	
Technology Used	
<ol style="list-style-type: none">1. Dell wireless laptops2. Graphing calculators with sensors and probes3. Data projectors4. Web page5. Possible items: digital cameras/video equipment	

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White Township School District

County: Warren

Partnering District: Lopatcong

Award Amount: \$124,340.00

School: White Township Consolidated School

Non-public School: Phillipsburg Christian Academy

Contact Information

Project Director:

Mrs. Linda Heilman
565 CR 519
Belvidere, NJ 07823

(908) 475-4773

heilman@warrennet.org

Superintendent:

Mr. Anthony T. Amato, Chief School Administrator
(908) 475-4773

Project Description

White Township Consolidated School will partner with Lopatcong Township School District to implement the MATRIX grant. Math teachers from both rural Warren County school districts will receive professional development through Warren County ETTC and Rutgers University's Center for Math, Science and Computer Education as they work to use new handheld computers, SMARTboards, and methodologies aimed at improving student achievement in mathematics. Teachers and students will also benefit from a network of support provided through Warrennet, a consortium of twenty Warren County school districts spearheaded by Warren County Technical School. In addition, Warrennet will assist each district in creating and maintaining a project website of grant related information that will be available to students, parents, teachers and the community.

Technology Used

1. Dell Axim Handheld computers
2. SMARTboards
3. LCD projectors