



**Westwood Community Schools
3335 South Beach Daly
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Sue C. Carnell, Superintendent

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BEN: 130890

FCCRN: 0020422093

NSLP: 79%

E-Rate Discount: 90%

EDU2011 Pilot Program

WC Docket No. 10-222

TITLE: Final Report

DEADLINE: October 31, 2012

Submitted To:

Regina Brown, Telecommunications Access Policy Division

Address: Wireline Competition Bureau-FCC
445 12th Street S.W., Room 5-A360
Washington, D.C. 20554

E-mail: EDU2011pilot@fcc.gov

REQUIRED INFORMATION

1. Project Benefits

- a. a description of how the wireless devices were integrated into the project's curriculum and objectives (including approximately how many times per week the wireless devices were used to access program materials remotely and how many wireless devices were used during this period of time);

Since the students of Westwood Cyber High School are required to log in each school day, the wireless devices were used daily. All students within Wayne County Michigan are eligible to participate in the Westwood Cyber High School program provided that they qualify as at-risk and have been referred by a parent, teacher, or social service organization. Once accepted into the program, each student is assigned a Project Manager. To ensure that each student receives individualized education plans, the Project Manager to student ratio is approximately 70 to 1. With their assigned Project Manager, students develop standards focused learning plans and meets with them on a weekly basis. To ensure student success with their learning plan, student progress is monitored and supported by Mentors, who is an online certified teacher. The Mentor to student ratio is approximately 8 to 1. Students are also supported by content as Experts, who are online certified teachers in various content areas, and local project team leaders. Rubrics are used to measure the Michigan High School Expectations and once the appropriate expectation is mastered, credit is earned.

Initially, the district piloted the Cyber High School program with (180) students, grades 9-12, expanded to (722) students in 2010/11. Westwood Community Schools integrated 800 devices that were used by over 700 students at home and at school (24:7) each day.

- b. if available, a detailed summary of any data collected by the school or library on the project's outcomes and achievement of the project's goals, including usage of educational and research resources by students and library patrons and number of devices actually used;
- i. for schools, include any data collected regarding the impact on test scores or other measures of achievement levels for those students participating in the off-premises wireless project.

The district is in the process of determining the results of any data collected regarding the impact on test scores or other measures of achievement levels as the program is relatively new.

- c. if available, a copy of any results or summary of the results of any survey given to students, teachers, parents or library patrons to assess any aspects of the off-premises wireless project;

The results of a survey conducted to assess the off-premises wireless project shows that the students are not very satisfied with the Sprint Air Cards used to implement the program. Only 2.2% of students are extremely satisfied while approximately 20% or more are either somewhat satisfied, neutral, somewhat

dissatisfied, or extremely dissatisfied. The survey results also indicate that students are having difficulty with the Sprint Air Card running slow, losing connection repeatedly multiple times of day. A copy of the entire survey results are attached to this report.

2. Project Costs

- a. an analysis of the per student or per patron cost of the off-premises connectivity;
700 students were able to participate in the wireless pilot program as a result of E-rate support. The total cost of the “off-premises” connectivity is approximately \$420.00 per student, while the approximate per student cost as a result of E-rate support is \$42.00 per student; saving the school district nearly \$378.00 per student. None of the total costs associated with this program were passed on to students and/or parents.
 - i. for schools, specify, by term used by the school (for example, by quarter or semester), the number of students and teachers involved or served as part of the project, the number of those students and teachers involved or served that were able to participate as a result of E-rate support, and, where appropriate, the number of students at each grade level using the wireless devices for Internet access for each specified term;

The total number of students enrolled in the Cyber High School Program for the 2011-2012 school year is 700 students in grades 9-12 while the number of teachers involved is 10.

3. Effectiveness of Protective Measures

- a. a detailed description of the measures, including specific software or filtering mechanisms, that were taken to ensure compliance with the Children's Internet Protection Act as well as a description of measures that were taken to protect against waste, fraud and abuse; and

SOTI MobiControl was installed on every device which allows teachers and administrators to monitor content, Internet sites visited, downloads, and other management tools to prohibit unauthorized use.

Each iMac is assigned to a specific student, checked periodically for inappropriate content, and collected for re-imaging during academic breaks/vacations.

Staff will monitor acceptable use of each student's iMac to ensure appropriate use for educational purposes off-premises.

Net Motion was installed on each unit beginning in 2011. With Net Motion installed, all internet traffic is directed through the district's Local Area Network (LAN) which is secured through the use of m86 Security web filtering software at the Wayne County RESA.

To protect against waste, fraud, and abuse, Westwood Community Schools includes all stakeholders to identify and use “best practices” when deploying the AWP program. Each student was assigned a specific iMac to be used solely by

the student off-premises. Every iMac is collected periodically to monitor and evaluate off-premises use by students.

The most cost effective solution was determined based on competitive bid responses as well as available General Funds, Title I Funds, Title V Funds, grants, and E-Rate discounts.

E-Rate ineligible product(s) and/or service(s) costs are allocated out of the total cost of implementing the AWP prior to submittal to USAC for eligible reimbursements.

- i. a detailed description of what, if any, issues arose in ensuring that the wireless devices were used only for educational purposes.

Some of the Cyber High School students experienced slow download and upload speeds for educational resources which often times led to a lower than expected educational project submissions. (See attached survey results)

4. Lessons Learned

- a. a description of any technical, operational, or administrative problems or issues associated with implementing the project (such as barriers in using the wireless devices or difficulties with the service) and a description of how those issues were addressed or are being addressed; and

The wireless program was an excellent opportunity for Westwood Cyber High School. Unfortunately, wireless connectivity in certain geographical areas within the county hindered student progress. As a result, students were required to attend the school's learning lab more often, which increased the use of local lab resources. This also directly impacted the program's financial budget. In retrospect, a different wireless carrier should have been selected to better serve the needs of our students.

- b. a narrative of the lessons learned as a result of the off-premise wireless project (for example, based on what you learned from the project, how would you plan and implement your project differently if you were doing it over again?).

Westwood Cyber High School has explored and considered other wireless carriers to implement the wireless connectivity for the 2012-13 school year and beyond.

5. Additional Information

Westwood Cyber High School proudly graduated 97 students from the program in 2012. We were also the recipient of the Michigan Association of School Boards Education Excellence Award for improving student achievement for at-risk and special education students. See Appendix B

The result of this intensively differentiated learning is that WCHS researchers who were once at-risk of dropping out of school are seeing significant academic and personal gains. Of all WCHS researchers 57% say they are learning more than they did in a traditional setting, while 70% of their mentors agree that they are covering a broader range of material. On average, researchers have earned

40% more credit than that with which they entered the program. Researchers' successes have quickly generated a community of learning that is felt both in the lab, online and the homes of our families. "There are no crowds, no cool groups, just one big room of people who can talk to each other," notices Researcher Landyn N. His appreciation for our inclusive atmosphere is echoed by a grandmother who observes with relief that "[her grand-daughter] is a different person. . . She has done a lot better here, a lot calmer. I enjoy bringing her to school here." Not surprisingly 50% of other parents and guardians say they've seen improved family relationships as a result of WCHS, while 92% would recommend the school to other parents.



Sprint Air Card Feedback Survey

[Edit & Review](#) [Invite & Deploy](#) [Analyze Results](#)

[Results](#) [» Individual Responses](#) [» Raw Data Export](#)

Results Overview
Filter: No filter applied

Report

- Results Overview
- PRO** New Cross Tab Report
- Comparison**
- PREMIUM** New Comparison Rpt

Filter

PRO New Filter

Statistics

PREMIUM Show Statistics

Responses

- Completes
- Partial
- Screen Outs
- Over Quota

APPLY



[» Learn how](#) to use filters
[» View a demo](#) of reporting

Want to ensure your results are statistically valid? Send your survey to more people using Zoomerang Sample- it's fast and affordable. [Get a quote](#)

PRO Print | Excel Export

Sprint Air Card Feedback Survey

Survey Status: Active Launched: 11/4/2011 7:28 AM Closed: N/A

Email Invites	Visits	Partial	Screen Outs	Over Quota	Completes
0	267	0 / 28	0 / 0	0 / 0	100 / 147*

* These results have reached the 100 response limit. Only the first 100 responses are displayed. Upgrade to Pro for full access to all of your results. **PRO**

Hello! Welcome to our survey. We are interested in your opinions. This survey will take no more than 3 minutes of your time. We really appreciate your time.

1. Have you been issued one of the new Sprint Air Cards?

Yes		90	90%
No		10	10%
Total		100	100%

2. Please provide the following information of the location of your computer

[View 90 Responses](#)

3. Please identify your Project Manager & Cohort Number

Cohort 1 - Becky Obermayer		6	7%
Cohort 2 - Heather Jones		19	21%
Cohort 3 - John White		1	1%
Cohort 4 - Greg Hurst		0	0%
Cohort 5 - Clint McDaniel		7	8%
Cohort 6 - Dawn Adanti		13	14%
Cohort 7 - Jayme Smolarz		2	2%
Cohort 8 - Anthony Batalucco		13	14%
Cohort 9 - Candice Coats		15	17%
Cohort 10 - Joel Blake		12	13%
Other (Other Staff Only)		2	2%
Total		90	100%

4. Please indicate your relationship with Cyber?

Researcher		73	81%
Mentor and/or Expert		10	11%
Project Manager or Technician		7	8%
Total		90	100%

5. How satisfied are you with the Sprint Air Card?

Extremely Satisfied		2	2%
Somewhat Satisfied		20	22%
Neutral		20	22%
Somewhat Dissatisfied		27	30%
Extremely Dissatisfied		21	23%
Total		90	100%

6. Do you have any of the following issues/problems with the Sprint Air Card? (Please check all that apply)

Running Slow		81	91%
Loosing Connection Repeatedly		39	44%
Network Unavailable		24	27%
None of the above		6	7%
Other, please specify View Responses		7	8%

7. How often do you have problems trying to access the network?

Multiple times a day		35	39%
Once a day		17	19%
Weekly		13	14%
Rarely or never have problem accessing network		25	28%
Total		90	100%

8. At what time of day does the conectivity problems typically occur

Morning (6AM to Noon)		0	0%
Afternoon (Noon to 6PM)		15	17%
Evening (After 6PM)		10	11%
All throughout the day		52	58%
I do not have connectivity problems		13	14%
Total		90	100%

9. Please indicate which scenario best describes your situation in regards to the speed of your Air Card

It takes so long for sites to upload the webpages timeout before they are done uploading		31	34%
It takes several minutes for webpages to upload and to navigate between sites		34	38%
I am able to navigate between sites, although the internet speed slows me down		22	24%

at times			
I am happy with the Air Card given to me, and I have no issues with speed at this time		3	3%
Total		90	100%

10. Please indicate the time of day that the internet speed problems typically occur?

Morning (6AM to Noon)		3	3%
Afternoon (Noon to 6PM)		13	15%
Evening (After 6PM)		7	8%
All throughout the day		62	71%
I do not have problems with the internet speed of my Air Card		2	2%
Total		87	100%

11. Please comment about your use of the sprint air cards while working at home

[View 68 Responses](#)

APPENDIX B

Tuesday, November 20, 2012

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MASB LeadStrong

Michigan Association of School Boards

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2012 Education Excellence Award Winners

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Local District Winners

[Serving At-Risk Students](#)

Big Buddies Little Buddies

Southgate Elementary Schools

Southgate Community Schools

Pirateers

Napoleon Community Schools

Westwood Cyber High School

Westwood Community School District

[Before & After School Programs](#)

Bison After School Enrichment

New Buffalo Area Schools

Pellston Elementary After School Program

Pellston Public Schools

The Dragonflies Junior Garden Club

Clarence Randall Elementary

Taylor School District

[Creative and Media Arts](#)

All Inclusive Visual Arts Show

Coopersville High School

Coopersville Public Schools

Guitar Methods

Mona Shores High School

Mona Shores Public Schools

Utica Center for Science and Industry

Utica Community Schools

[Community Relations/Public Engagement](#)

Arthurs Closet

Boyd W. Arthurs Middle School

Trenton Public Schools

Julie's Kids

Yale Public Schools

Positive Parental Involvement Makes a Difference

Memphis Elementary

Memphis Community Schools

[Health and School Safety](#)

Be Nice It Matters

Holton Elementary

Holton Public Schools

Bull Free Banks

Sarah Banks Middle School

Walled Lake Consolidated Schools

Project "Get Fit"

Krause Early Elementary

Armada Area Schools

[Improving Student Achievement - Math & Science](#)

Armada Renewable Energy Program

Armada High School

Armada Area Schools

Math Lab

Otsego High School

Otsego Public Schools

Underwater Remotely Operated Vehicles

Otsego High School
Stockbridge Community Schools

*Improving Student Achievement - English & Social Studies***Marion Elementary Reading Program**

Marion Elementary
Marion Public Schools

STAR Lounge

Walt Disney Elementary
Fraser Public Schools

*School Improvement***Huron River Writing Connection**

Huron School District

Saline Before and After Program

Saline Area Schools

Spice It Up! Technology Conference

Educational Services Center
Walled Lake Consolidated Schools

Intermediate District Winners*Career/Technical Education***Getting Prepared for Careers**

Wexford-Missaukee Career Technical Center
Wexford Missaukee ISD

*Special Education***Huron Learning Center PBIS**

Huron Learning Center
Huron ISD

STARS Program

Blossomland Learning Center
Berrien RESA

Education Excellence Search

Years: All Years
Levels: All Levels
Categories: All Categories
Regions: All Regions
Michigan's Best:

May 10, 2012

ASSOCIATED NEWSPAPERS OF MICHIGAN

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INKSTER - WAYNE - WESTLAND

Legislator chosen as distinguished alumni

State Rep. Richard LeBlanc, a 1976 graduate of John Glenn High School, has been named the Distinguished Alumni of 2012.

LeBlanc was chosen for the honor by a committee at the school. The award will be presented to him at a reception at 2:30 p.m. June 1 in the media center at the high school. As the distinguished alumnus, LeBlanc will speak during the graduation ceremony for the class of 2012 at Eastern Michigan University at 10 a.m. June 2.

LeBlanc currently serves at the State Representative for the 18th District. He is a member of the House Appropriations Committee and is chairman of the Michigan

”

LeBlanc said his role as a driver education instructor was the most frightening.

State Police and the Military and Veterans Affairs committees.

Prior to his service in Lansing, LeBlanc was employed by Ford Motor Co., the Canton Police Department, and the Advanced Driving Academy. Of all those jobs - including patrol activities - LeBlanc said his role as a driver education instructor was the most frightening.

In addition to his election three times as a state representative,

LeBlanc served one term on the Wayne-Westland Board of Education and three terms on the Westland City Council. He is also active within numerous civic and community groups, including the Westland Friendship Center. LeBlanc is also a licensed pilot and enjoys flying a Piper Cherokee PA28-180, a four seat single-engine aircraft. He also collects antique police badges and his collection includes more than 1000 authentic

pieces.

LeBlanc lives in Westland and also has a home on Houghton Lake. He and his wife, Cheryl have been married for 32 years. They are the parents of two adult sons and have two granddaughters. Their son, Rick, resides in Westland and their son, Jeff, lives with his family in Canton.

LeBlanc earned a Bachelor of Arts Degree from Concordia College in Ann Arbor, and then went on to secure nine credits toward a graduate degree from Wayne State University. All of LeBlanc's collegiate coursework resulted in a perfect 4.0 grade point average.

State Rep. Richard LeBlanc

Big wheels Students race vehicles

Students from the William D. Ford Career-Technical Center were among those at the Innovative Vehicle Design Performance Challenge at the Michigan International Speedway last Saturday.

As part of the program, the students had to build full-scale electric, mini battery-powered and autonomous vehicles with some help from industry partners as a class assignment during the year. On Saturday, almost 40 Square One teams from around Michigan and one from Ohio and Illinois raced 13 full-scale models, 20 mini battery-powered and six autonomous-vehicles on the professional, 2-mile track.

"As a hands-on organization, we provide distinct, real-world experiences that spur innovation and peak interest in science, technology, engineering and math (STEM) programs among students," said Karl Klimek, Square One executive orchestrator. "Through this partnership with Michigan International Speedway (MIS), we're able to generate excitement about STEM-related careers, establish new

industry and community relationships and nurture the next generation of engineering enthusiasts."

This year marked the first, full-scale IVD Challenge at the track.

"Racing is one of the few sports that actively uses science, technology, engineering and math in real time," said Roger Curtis, president of MIS. "And for every one driver, there are hundreds of technicians and engineers behind the scenes and 'back in the shop' who are making wins possible. The student teams experience something similar and we're thrilled to be a part of the future of engineering - and the future of motorsports."

Ford Motor Co. Fund was the presenting sponsor with a \$18,000 donation.

Additionally, Square One's small-scale, autonomous vehicles were supported by a \$5,000 donation from IAV Automotive Engineering Inc.; the full-scale vehicles were supported by a \$15,000 donation from IEEE/VIS, and the mini battery-powered vehicles were supported by a \$15,000 donation from Nissan North America Inc.

Inkster school wins honor

The Cyber High School Program of the Westwood Community School District was recently honored by the Michigan Association of School Boards (MASB) with a 2012 Education Excellence Award. The winning programs represent 15 counties across the state.

"This year's Education Excellence winners demonstrate that excellence is all around us in our public schools, despite their numerous challenges, financial restraints and unending reforms. This year's winners clearly know what it takes to positively impact student achievement," said Kathy Hayes, MASB executive director. "Our public schools are stepping up to get the job done."

The Education Excellence awards honor the top three local school district programs in each of eight categories.

Westwood was honored in the Improving Student Achievement for At-Risk and Special Education Students for the Westwood Cyber High School Program.

In 2009, the State of Michigan School

Report Card determined that Westwood Robichaud High School had a graduation rate of just 58 percent.

In an effort to reengage at-risk students, teachers and administrators turned to technology and began offering an on-line alternative to traditional education for youth disengaged from classroom learning due to illness, pregnancy, bullying, phobia, travel, exclusion and other risk factors.

The Cyber High School is a year-round program offering project-based online learning in a safe environment. The program provides students with a computer and Internet access in their homes, and offers a learning lab where they can receive individualized attention and support from teachers.

The self-paced environment builds self-confidence and develops collaboration, creativity, communication and critical thinking skills. Westwood Cyber High School is now offered as an option for at-risk students throughout Wayne County, with a current enrollment of 760.

CHARTER TOWNSHIP OF CANTON ACCESS TO PUBLIC MEETINGS

The Charter Township of Canton will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting/hearing upon two weeks notice to the Charter Township of Canton. Individuals with disabilities requiring auxiliary aids or services should contact the Charter Township of Canton by writing or calling the following:

Gwyn Belcher, ADA Coordinator
Charter Township of Canton, 1150 S. Canton Center Road
Canton, MI 48188
(734) 394-5260

Published: May 10, 2012

EC051012-0560 2.5 x 1.557

CHARTER TOWNSHIP OF CANTON REQUEST FOR PROPOSAL

NOTICE IS HEREBY GIVEN that the Charter Township of Canton, 1150 Canton Center S., Canton, Michigan will accept sealed proposals at the Office of the Clerk up to 3:00 p.m. Thursday, May 24, 2012 for the following:

MONITORING, MAINTENANCE AND TESTING FOR CANTON'S

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Westwood Cyber High School

The Westwood Cyber High School is a virtual learning experience, offering students an opportunity to obtain a High School diploma by teaching them the skills necessary for higher education or future employment. The program serves at-risk students who have lost credits or dropped out of school. Eligible students in the Wayne County region of Michigan can take Westwood courses tuition-free.

Westwood Cyber High School Review

Fee Structure: Tuition-free for eligible students in Wayne County

Tuition Cost:

Student Type: Only teens

Program Type: Combination

Offers Diploma: Yes

Year Founded:

Accredited: Yes

Accreditation: Westwood Community Schools

About Westwood Cyber High School

Westwood Cyber High School is a year round educational program that offers two learning options for students and families. Both paths are constructivist, project based, on-line learning experiences. All learning experiences

are individualized to meet student needs. Student progress is monitored and supported by mentors, experts, and project team leaders to ensure student success. Students have access to a computer work station and internet connectivity at their home, provided by Westwood Community School District.

“My School” services students who have displayed a pattern of failure falling behind on obtaining high school graduation credits. It requires that students utilize a tech center within the district a minimum of twice a week, and have more face to face meetings with experts and mentors, to ensure students remain engaged in the project based learning environment.

“Not School” is 100% virtual learning experience that services disengaged students who have dropped out of school, or who are phobic, sick, or can no longer attend school.

Westwood Cyber High School Accreditation

Westwood Cyber High School is accredited by the Westwood Community Schools.

Westwood Cyber High School Programs

The Westwood Cyber High School is oriented towards learning, and with their Mentor, Students develop standard focused learning plans and projects. Experts use rubrics to evaluate the Student’s progress and work on a weekly basis. Rubrics are used to measure the Michigan High School Expectations. When the appropriate expectations are mastered, credit is earned.

Westwood Cyber High School Admissions

All students within Wayne County are eligible to participate in the program, provided that they qualify as at-risk and have been referred by a parent, teacher, or social service organization. For more information on the school’s admission requirements, contact Westwood directly.

Contact Person: Hilliard Hampton

Toll-free Number:

Phone: 313-565-0288

Fax:

Email:

Website: www.westwood.k12.mi.us

Westwood Cyber High School Tuition Cost

Westwood Cyber High School is tuition-free for eligible students in Wayne County.

Westwood Cyber High School Location

