



**Westwood Community Schools  
3335 South Beach Daly  
Dearborn Heights, MI 48125**

Sue C. Carnell, Superintendent

**Phone:** 313.565.1900

**Fax:** 313.565.3162

**Email:** [carnells@wvschools.net](mailto:carnells@wvschools.net)

**BEN:** 130890

**FCCRN:** 0020422093

**NSLP:** 79%

**E-Rate Discount:** 90%

**EDU2011 Pilot Program**

**WC Docket No. 10-222**

**TITLE: Interim Report**

**DEADLINE: February 24, 2012**

**Submitted To:**

Regina Brown, Telecommunications Access Policy Division

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

E-mail: [EDU2011pilot@fcc.gov](mailto: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 Cyber High School students are required to log in each school day, the wireless devices are used at least daily. All students within Wayne County Michigan are eligible to participate in the 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 Mentor (project manager). To ensure that each student receives individualized education plans, the Mentor to student ratio is approximately 70 to 1. With their assigned Mentor, students develop standards focused learning plans and projects and meets with them on a weekly basis. To ensure student success with these programs, student progress is monitored and supported by the Mentors, as well as experts and 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 with a planned expansion to include an additional (500) students in 2011/12. To date, Westwood Community Schools has integrated 1,200 devices to be used by 1,200 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 is an excellent opportunity for Westwood Cyber High School. Unfortunately, wireless connectivity in certain geographical areas within the county has hindered student progress.

- 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 will explore and consider other wireless carriers to implement the wireless connectivity for the 2012-13 school year and beyond.



# Sprint Air Card Feedback Survey

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

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

**Results Overview**  
Filter: No filter applied

**Report**

- 
- 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](#)
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**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 PREMIUM 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	<div style="width: 90%;"></div>	90	90%
No	<div style="width: 10%;"></div>	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	<div style="width: 7%;"></div>	6	7%
Cohort 2 - Heather Jones	<div style="width: 21%;"></div>	19	21%
Cohort 3 - John White	<div style="width: 1%;"></div>	1	1%
Cohort 4 - Greg Hurst	<div style="width: 0%;"></div>	0	0%
Cohort 5 - Clint McDaniel	<div style="width: 8%;"></div>	7	8%
Cohort 6 - Dawn Adanti	<div style="width: 14%;"></div>	13	14%
Cohort 7 - Jayme Smolarz	<div style="width: 2%;"></div>	2	2%
Cohort 8 - Anthony Batalucco	<div style="width: 14%;"></div>	13	14%
Cohort 9 - Candice Coats	<div style="width: 17%;"></div>	15	17%
Cohort 10 - Joel Blake	<div style="width: 13%;"></div>	12	13%
Other (Other Staff Only)	<div style="width: 2%;"></div>	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%

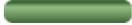
**5.** How satisfied are you with the Sprint Air Card?

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 <a href="#">View Responses</a>		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](#)