



TECHNICAL SERVICES

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Bill Smojver, Director

Daniel A. Nerad, Superintendent of Schools

December 8, 2011

Appendix NNN-6-11
December 19, 2011

TO: Board of Education

FROM: Bill Smojver, Director of Technical Services

RE: Technology Acquisition Plan and iPad Learning Initiative

I. Introduction

- A. Title/topic** – Technology Acquisition Plan 2011-2012 and iPad Learning Initiative
- B. Presenter/contact person** –
Bill Smojver, Director of Technical Services
Erik J Kass, Assistant Superintendent for Business Services
- C. Background information** – Madison Metropolitan School District was provided an award from the Microsoft Cy Pres settlement in the Fall of 2009. Since that time the district has utilized many of these funds to prorate projects across the district in order to free up budgeted funds and to provide for more flexibility. The plan and process for these funds liquidates the General Purpose portion of the Microsoft Cy Pres funds, provides an equitable allocation per pupil to each school, and is aimed at increasing the amount of technology within our schools.

The total allocation remaining from Cy Pres revenues totals \$2,755,463.11, which was the target for the technology acquisition plan. Two things happened prior to allocating funds to schools: first was to hold back \$442,000 for the future purchase of Ipads for our schools (at \$479 per ipad this equates to a 923 ipads), and second was to hold back \$200,000 necessary for increased server capacity to deal with the increase in different types of technology.

The final step was to allocate the remaining funding (\$2,113,463.11) out to the schools on a per pupil basis. This was calculated at \$85.09 per pupil across all schools within the district.

- D. BOE action requested** – None at this time

II. Summary of Current Information

- A. Provide summary** – Each school was asked to identify the types of technology that they thought would best meet their needs from a list provided by the Department of Technology. The following technology was included on this list for schools to purchase:
- ▶ Replacement Computer Workstations
 - ▶ Interactive White Boards (Smart Boards and Promethean Boards)*
 - ▶ Presentation Stations
 - ▶ Notebook Computers
 - ▶ iPads
 - ▶ E-Readers

The technology allocation for each school and the quantity of each type of technology requested is attached. The purchase and installation of the new technology will be completed over the next several months, with our goal to have all of the technology installed by the end of March or early April of 2012.

All of the items listed for schools to choose from have been utilized within our school environments in the past with the exception of the iPad's. Part of the challenge for the District is to provide students and teachers access to the most contemporary technology being used in education, business, and the home. The movement to handheld wireless tablet computers is the next generation of technology that we think will have a significant impact on teaching and learning.

A group of District leaders will be meeting with Apple representatives and representatives of the Chicago Public Schools in December. The Chicago Public Schools received a state grant to study the use iPads in their classrooms. They installed a 32-station iPad cart in over 52 schools at the beginning of the 2010-11 school year. Our group will hear the results of the CPS iPad Program. We will learn how they were deployed, review their professional development plan and their preliminary results. This information will be used to help develop the iPad Implementation Plan for the MMSD.

An iPad Implementation Plan will be brought to the Board in January. Included with the iPad Implementation Plan will be an iPad purchase request.

In recognizing this shift to handheld tablet computers the District placed the Apple iPad as a choice schools could make to purchase out of their technology allocation. In addition, the district will purchase over 900 iPads and charging carts for the schools to help develop the direction for the use of iPads in the MMSD. See the attached iPad Request Form we are utilizing to provide access to those schools interested. A common set of Apps will be installed on the iPads initially. See information below on managing the iPads.

The school principal in collaboration with teachers was asked to complete an iPad Request Form as part of the District iPad Initiative if interested. District staff will then review the school iPad Requests using a standard rubric applied to all applications. Based upon the results of this review schools will be awarded iPads from the over 900 purchased by the District.

Using iPads is becoming prevalent in a significant number of school districts in Wisconsin and the nation. iPads are being used at every grade level, in every department and by all students and teachers. Our district is looking at the best ways to engage students, enhance instruction, improve literacy, and improve instructional outcomes using technology. The iPad offers students and teachers a device that can be used in a variety of ways in education to meet those goals.

Teachers that are open to using new technologies in their classrooms at each school will receive training to use the iPad in classrooms. Principals will be asked to identify teachers who will train other staff members in the use of the iPads, likely through the use of established technology cadres. The teacher leaders will learn how to manage the devices and will be provided with a list of current suggested free or reasonably priced applications that may be beneficial to the developmental levels they support. Emphasis will also be placed on resources the teacher leaders can use to stay abreast of emerging application of the devices. Once the teacher leader training is completed and there is a building-based plan to support the technology and train teachers in buildings, the iPads will be deployed in the schools.

Our specialists in Technical Services are researching iPad management. We are hopeful that management of the iPads can be done at the district level on a server using specialized management software. iPad applications and iPad updates will be managed through this server. The management software will be able to track the location of each iPad, which will help reduce loss.

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B. Recommendations and/or alternative recommendation(s) – N/A

C. Link to supporting detail – N/A

III. Implications

A. Budget – Funding source has no impact on the current budget.

B. Strategic Plan – Technology literacy is an essential 21st Century skill supported by the Strategic Plan.

C. Equity Plan – Equitable access to technology is an essential element supported by Equity Plan.

D. Implications for other aspects of the organization – N/A

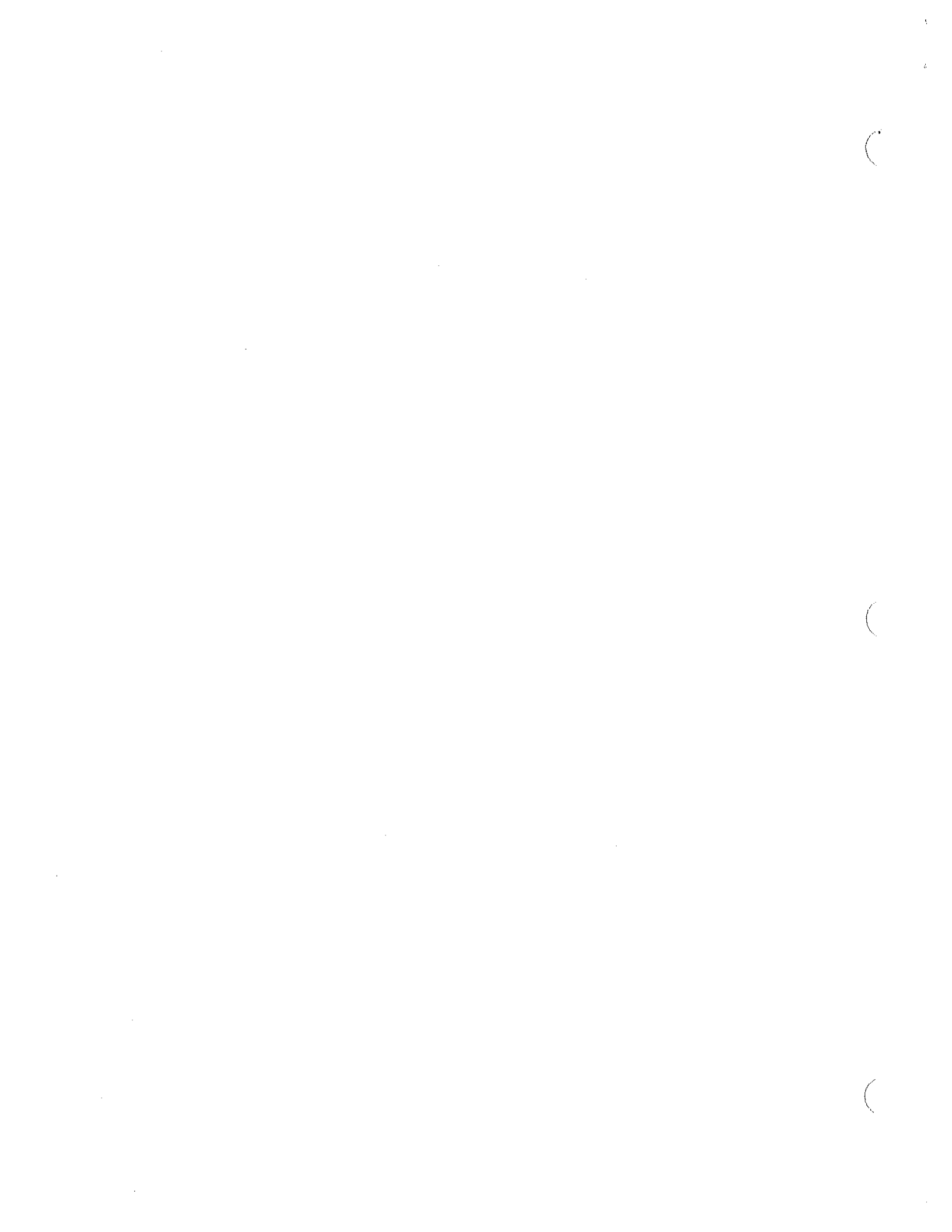
IV. Supporting Documentation

A. Technology Acquisition Allocation Plan

B. Technology Site Specifications Form

C. iPad Request Form

D. Technology - Quantity Requested by Site



**Technology Acquisition Allocation Plan
Madison Metropolitan School District
2011-2012**

School	Enrollment	Per Pupil	Recommended School Alloc.
Allis Ele	369	\$85.09	\$33,673.91
Chavez Ele	634	\$85.09	\$53,947.64
Crestwood Ele	431	\$85.09	\$36,674.19
Elvehjem Ele	461	\$85.09	\$39,226.91
Emerson Ele	337	\$85.09	\$28,675.64
Falk Ele	346	\$85.09	\$33,069.43
Franklin Ele	373	\$85.09	\$31,738.91
Glendale Ele	387	\$85.09	\$32,930.19
Gompers Ele	251	\$85.09	\$21,764.91
Hawthorne Ele	339	\$85.09	\$28,845.82
Huegel Ele	419	\$85.09	\$41,526.19
Kennedy Ele	597	\$85.09	\$50,799.28
Lake View Ele	257	\$85.09	\$24,568.42
Lapham Ele	226	\$85.09	\$19,230.55
Leopold Ele	667	\$85.09	\$57,811.23
Lincoln Ele	386	\$85.09	\$32,845.10
Lindbergh Ele	237	\$85.09	\$22,229.91
Lowell Ele	325	\$85.09	\$27,654.55
Marquette Ele	249	\$85.09	\$21,187.64
Mendota Ele	314	\$85.09	\$26,718.55
Midvale Ele	380	\$85.09	\$32,334.55
Muir Ele	405	\$85.09	\$34,461.82
Nuestro Mundo Ele	269	\$85.09	\$22,889.46
Olson Ele	434	\$85.09	\$36,929.46
Orchard Ridge Ele	279	\$85.09	\$23,740.37
Randall Ele	383	\$85.09	\$32,589.82
Sandburg Ele	379	\$85.09	\$32,249.46
Schenk Ele	444	\$85.09	\$37,780.37
Shorewood Ele	424	\$85.09	\$36,078.55
Stephens Ele	480	\$85.09	\$40,843.64
Thoreau Ele	395	\$85.09	\$34,047.94
Van Hise Ele	375	\$85.09	\$31,909.10
Total Elementary	12252		\$1,060,973.51
School	Enrollment	Per Pupil	Total
Black Hawk Middle	384	\$85.09	\$32,674.91
Cherokee Middle	538	\$85.09	\$45,778.92
Badger Rock	48	\$85.09	\$4,084.36
Hamilton Middle	716	\$85.09	\$60,925.10
Jefferson Middle	553	\$85.09	\$47,055.28
O'Keeffe Middle	455	\$85.09	\$38,716.37
Sennett Middle	588	\$85.09	\$50,033.46
Sherman Middle	416	\$85.09	\$35,397.82
Spring Harbor Middle	270	\$85.09	\$22,974.55
Toki Middle	467	\$85.09	\$39,737.46
Whitehorse Middle	436	\$85.09	\$37,099.64
Wright Middle	251	\$85.09	\$21,357.82
East High	1580	\$85.09	\$134,443.66
La Follette High	1538	\$85.09	\$130,869.84
Memorial High	1920	\$85.09	\$163,374.57
Shabazz High	116	\$85.09	\$9,870.55
West High	2093	\$85.09	\$178,095.30
Total Secondary	12369		\$1,052,489.60
Total - Schools	24621		\$2,113,463.11
Total - School iPads*			\$442,000.00
Total - District			\$200,000.00
Grand Total			\$2,755,463.11

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**iPad Request Form
Madison Metropolitan School District
2011-2012**

Check One or Both (Schools can Request District and School Allocation using this Form)

Request for iPads – District 2011 iPad Initiative - District Purchase

Request for iPads – District Technology 2011 Acquisition Plan - Building Purchase

School: Select a School

Date: Click here to enter a date.

Staff Members Involved in Project(s): Click here to enter staff names

PROJECT DESCRIPTION

Describe how the iPads will be used at this school to enhance instruction and learning.

Include: teachers using iPads, classes they will be used in, activities, frequency of use, Apps used, etc. Include information as to how this project may align with your goals in your SIP, complies with Rti² model, aligns with District Standards, and addresses 21st Century Skills. Describe any specific professional development support that is needed for your project to be successful. If you need more space press enter on the last line and expand the text box.

OUTCOMES AND ASSESSMENT

What outcomes do you expect to observe using iPads as described in the Project Description? Include teacher and student outcomes. How will you measure improvement, use, and learning?

If you need more space press enter on the last line and expand the text box.

iPad District Purchase Information

Quantity*	Description	Unit Cost**	Total
	iPad Wi-Fi 16GB	\$479.00	
	Total (will be paid by District)		

*Maximum of 25 may be requested per school.

The district will purchase a 30-station charging cart for each school that qualifies for a district allocation of iPads.

iPad School Purchase Information

Quantity	Description	Unit Cost	Total
	iPad Wi-Fi 16GB	\$479.00	
	iPad 30-Station Charging Cart	\$1780.00	
	Total (will be paid from school technology allocation)		

E-Mail Form to Bill Smojver by November 7, 2011. Name the file with your school name.

Example: Memorial iPad Request

MMSD Technology Requested - Quantity by Site

Site	Dell 580 Desktop	Dell 580 No Monitor	Dell Vostro laptop	Dell Latitude laptop	Asus Netbook	Netbook Charging cart	Dell 5330 B/W printer	Dell 5130 color	Dell 1350 Color printer	Dell 2350	Ricoh MFDs	Doc Cam	Projector	Surge Protector	Pres. Cart	Surge Protector	Speaker System	Promethean 378	Promethean 178	Prome. Portable	Prome. wireless	Prome. Install	Mount Bracket	Promethean Vote32	Smart SB680i4	Smart Portable Board	Smart Install w/speakers	Video splitter	VGA cable 10'	VGA cable 3'	Nook	Nook Color	Kindle WiFi	iPads	iPad Charging Cart					
HS	74		37		120	5						10	10	10	10	10	10																							
East	65		69		58	3						2	2	2	2	2	2																							
LaFollette	162		14			1						1	1	1	1	1	1																							
Memorial			2																																					
Shabazz			10																																					
West	133				60	2						3	10	10	10	10	10																							
MIS																																								
Badger Rock			2																																					
Blackhawk			7	1	30	1						2	2	2	2	2	2																							
Cherokee	28		3		4							2	2	2	2	2	2																							
Hannilton			18		24	2						3	1	1	1	1	1																							
Jefferson			24		30	1						4	4	1	1	1	1																							
Okeeffe			6		60	2						17	8	9	11	5	9																							
Sennet			8									1	2	1	1	1	1																							
Sherman			15									15	6	6	8	6	6																							
Spring Harbor																																								
Toki																																								
Whitehorse			10									6	6	2	7	3	3																							
Wright			6		30	2						6	6	2	7	3	7																							
ES																																								
Atlas			15		41							2	1	11	11	11	11																							
Chavez	28		15	1								11	12	11	5	5	5																							
Crestwood			27			1						5	2	2	20	20	20																							
Evelyn			12									20	20	20	20	20	20																							
Emerson			7		30	1						6	2	2	2	2	2																							
Falk	28		2	1								1	1	1	1	1	1																							
Franklin			27		15	1						3	3	3	3	3	3																							
Glendale																																								
Gompers			2									1	2	2	2	2	2																							
Hawthorne					40							12																												
Huesel			13		30	1						13	13	13	13	13	13																							
Kennedy			30									19	19	19	19	19	19																							
Lake View																																								
Laplum	1		6	1	16							6	6	6	6	6	6																							
Leopold			18		110	1						7	7	7	7	7	7																							
Lincoln												15																												
Lindbergh																																								
Lowell			6																																					
Marquette			11		7							8	8	8	8	8	8																							
Meranda																																								
Midvale			4	1	49							4	4	4	4	4	4																							
Muir			10		28	1						11	10	10	10	10	10																							
Nuestro Mundo			30																																					
Oleon			2			1						1	1	1	1	1	1																							
Oreland Ridge			2																																					
Randall																																								
Sandburg			30		15																																			
Schenk																																								
Shorewood																																								
Stephens	28		17																																					
Thorau	1		7																																					
Van Hise																																								
Total	556	17	559	21	852	29	23	6	7	4	10	257	189	213	201	213	49	67	27	6	16	69	66	3	1	2	1	91	72	25	5	1	51	670	12					

