

St. Mary's Home for Children
School Technology Plan
School Years 2011/2012 to 2013/2014

St. Mary's Home for Children
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Created: September, 2010
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Submitted to RIDE: September 23, 2010

Approved by RIDE: _____

Technology Plan Covers: E-Rate Funding Year 2011 (SY2011/2012)
E-Rate Funding Year 2012 (SY2012/2013)
E-Rate Funding Year 2013 (SY2013/2014)

Education Technology Committee:

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About St. Mary's Home for Children

Our mission is to create an environment of healing and hope for those we serve. Children and families are empowered to develop healthy, trusting relationships. Through an array of residential and community based services, we create effective, lasting partnerships that enable children and adults to lead fulfilling lives.

Since 1877, St. Mary's has been caring for Rhode Island's children. While receiving some support from the Episcopal Diocese, we are a secular, non-profit agency offering comprehensive treatment programs for boys and girls traumatized by abuse or experiencing the challenges of psychiatric disorders. Children are treated and cared for in both the residential, educational and out-patient programs located in North Providence, Rhode Island.

The George N. Hunt Campus School

The George N. Hunt Campus School at St. Mary's Home for Children was established in 1982 for residential and day students with learning and behavior disorders, including ADD and ADHD, who have failed to succeed in their public schools. The School provides a highly structured, innovative learning environment with individualized programs designed to enhance each child's ability to learn. Individual and group therapy are included in the school day; an after-school program is also available for day students.

The School has a highly structured program offering special education and therapeutic services to boys aged 6-14 and girls aged 6-18.

Students are provided with a safe, comfortable environment where academic and social experiences can increase their sense of competency and self-esteem. The small student-to-teacher ratio facilitates positive academic and social growth and enables the students to learn under conditions which promote trust, understanding, acceptance, and most of all, respect.

The School is organized into ungraded classrooms with each child being placed in the classroom that best meets his/her academic needs. An Individualized Learning Program is designed for every child. This ILP includes goals from each discipline to provide a well-structured program for our students.

In addition to a full academic program, health, music, physical education and art are taught by certified instructors.

Speech/language therapy and other related services are available for those students requiring this assistance.

Current Technology Environment

Currently The George N. Hunt Campus School maintains a student computer lab equipped with 8 desktop PCs and has 1 desktop PC in each classroom except for one classroom which has 3 PCs. The school office and administrative staff have 6 desktop PCs. There is 1 laptop and 1 project available for use through out the school. These client devices are connected to a Novell network with 6 servers on it. All of the desktops and all but one of the servers are outdated and plans are in the works to upgrade them over the next few years.

In addition to the school computers, St Mary's maintains an additional 77 desktop PCs and 2 additional servers, which are used by the administrative, clinical and medical staff of the agency.

Goals of the Technology Plan

Overall Goal

Improve utilization of technology as an integral tool in facilitating learning and communication among the administration, instructional staff, students, parents, and community at large.

Specific Goals and Objectives

1. To provide students with technology-based educational experiences that prepare them to be productive members of an increasingly technology driven world.

- Implement new Reading Learning Software (SY2011/2012 or sooner)
St. Mary's has recently received funding to purchase Reading software and professional training on its use. Software and related professional services from two vendors are currently being evaluated. The two packages under consideration are; "My Reading Coach" (<http://www.mindplay.com>) and "Lexia Reading" (<http://www.lexialearning.com>).
- Implement a campus wide Intranet Portal (SY2011/2012)
- Install a new Web Server (SY2011/2012)
- Upgrade PCs in the Computer Lab and in the classrooms (On going)
- Upgrade/Replace old Network routing and switching equipment (SY2011/2012)
- Implement Video Conferencing technology (SY2013/2014)
- Implement Campus wide Wireless Network Service (SY2011/2012)
- Implement a Digital Portfolio system for the students (SY2013/2014)
- Seek grants and other funding to purchase additional educational software and hardware (On going)

2. To provide teachers with the knowledge and ability to use technology for communication, as an enhancement to curriculum and instruction, and as a personal and professional tool.

- Implement new Reading Learning Software (SY2011/2012 or sooner)

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St. Mary's has recently received funding to purchase Reading software and professional training on its use. Software and related professional services from two vendors are currently being evaluated. The two packages under consideration are; "My Reading Coach" (<http://www.mindplay.com>) and "Lexia Reading" (<http://www.lexialearning.com>).

- Implement a campus wide Intranet Portal (SY2011/2012)
- Integrate Academic and Educational electronic records with the Clinical and Medical electronic records. (SY2012/2013)
- Implement Video Conferencing technology (SY2013/2014)
- Implement Campus wide Wireless Internet Service (SY2011/2012)
- Seek grants and other funding to provide teachers with professional development in the area of integrating technology into the classroom and the curriculum (On going)

3. To provide administrators and program coordinators with the technological tools for organization, management, and communication.

- Convert current web based E-Mail system to an internal Microsoft Exchange based E-Mail system (SY2012/2013)
- Implement a campus wide Intranet Portal (SY2011/2012)
- Install a new Web Server (SY2011/2012)
- Upgrade PCs in the School administrative offices (On going)
- Integrate Academic and Educational electronic records with the Clinical and Medical electronic records. (SY2012/2013)
- Implement Campus wide Wireless Network Service (SY2012/2032)
- Install a new campus wide phone system (SY2012/2013)

4. To provide support staff with the technological tools to facilitate and manage their work.

- Change Network Authentication and Authorization from Novell to Microsoft Active Directory (SY2011/2012 or sooner)
- Install a new DHCP/DNS/Active Directory Server (SY2011/2012)
- Implement a new Backup solution (SY2011/2012 or sooner)
- Convert current web based E-Mail system to an internal Microsoft Exchange based E-Mail system (SY2012/2013)
- Implement a campus wide Intranet Portal (SY2011/2012)

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- Install a new Web Server (SY2011/2012)
- Install a new Firewall (SY2011/2012)
- Implement Network monitoring tools (SY2011/2012)
- Upgrade/Replace old Network routing and switching equipment (SY2011/2012)
- Upgrade and Improve AntiVirus, AntiSpyware and other AntiMalware protection tools (SY2011/2012 or sooner)
- Install a new campus wide phone system (SY2012/2013)

5. To provide a professional development program that enables all staff to gain proficiency in the use of technology.

- Seek grants and other funding to provide teachers with professional development in the area of integrating technology into the classroom and the curriculum (On going)
- Convert current web based E-Mail system to an internal Microsoft Exchange based E-Mail system (SY2012/2013)
- Implement a campus wide Intranet Portal (SY2011/2012)

6. To provide maintenance and security of existing technology platforms

- Change Network Authentication and Authorization from Novell to Microsoft Active Directory (SY2011/2012 or sooner)
- Implement a new Backup solution (SY2011/2012 or sooner)

7. To protect our students from accessing inappropriate materials.

- Install a new Firewall (SY2011/2012)
- Improve the Content and Access Filtering already in place (SY2011/2012)

8. To prevent our students from making contact with persons not approved for contact by their clinician.

Due to the backgrounds of many of our students, it is important to their progress and safety that they be prevented from making physical or electronic contact with people not approved by their clinician. For this reason it is necessary for the staff to maintain tight control of student's access to electronic communications, such as E-Mail, Twitter, Online Chat, Skype and Social Media web sites.

- Change Network Authentication and Authorization from Novell to Microsoft Active Directory (SY2011/2012 or sooner)
- Install a new DHCP/DNS/Active Directory Server (SY2011/2012)

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- Improve the Content and Access Filtering already in place
- Install a new Firewall (SY2011/2012)
- Split the PCs that students have access to into a different subnet from the administrative staff, so that tighter control and monitoring can be applied (SY2011/2012)

Professional Development Strategy

St. Mary's continues to seek grants and other funding for professional development. Currently the Information Technology department is providing some in house training to the school staff on the use of technology. Recent sessions have covered using Microsoft Outlook and using the PBS video streaming curriculum web site (www.Learn360.com). Funding has recently been acquired and allocated for professional training on the use of the Reading software which is being purchased. Objectives of the professional development strategy at St. Mary's include:

- Provide ongoing education for staff on how to use and integrate technology as an effective tool.
- Provide staff with "hands-on" practice time for what they learn in their lab sessions.
- Relate staff development to their immediate job responsibilities.
- Include all staff in the school in technology education.
- Help staff overcome any resistance to the use of technology.

Ongoing Evaluation Process

The Educational Technology Committee meets at least every six months to evaluate the progress of projects and to set new goals and objectives. More frequent meetings of the sub teams assigned to specific projects will take place as required by the projects assigned to them.

Timeline for Tasks

On Going

- Seek grants and other funding to provide teachers with professional development in the area of integrating technology into the classroom and the curriculum
- Upgrade PCs in the School administrative offices
- Seek grants and other funding to purchase additional educational software and hardware
- Upgrade PCs in the Computer Lab and in the classrooms

School Year 2011/2012

- Implement new Reading Learning Software
- Change Network Authentication and Authorization from Novell to Microsoft Active Directory
- Install a new DHCP/DNS/Active Directory Server (SY2011/2012)
- Split the PCs that students have access to into a different subnet from the administrative staff, so that tighter control and monitoring can be applied
- Improve the Content and Access Filtering already in place
- Install a new Firewall
- Implement a new Backup solution
- Implement a campus wide Intranet Portal
- Install a new Web Server (SY2011/2012)
- Implement Network monitoring tools
- Upgrade/Replace old Network routing and switching equipment (SY2011/2012)
- Upgrade and Improve AntiVirus, AntiSpyware and other AntiMalware protection tools

School Year 2012/2013

- Convert current web based E-Mail system to an internal Microsoft Exchange based E-Mail system
- Integrate Academic and Educational electronic records with the Clinical and Medical electronic records
- Implement campus wide Wireless Network Service
- Install a new campus wide Phone System

School Year 2013/2014

- Implement Video Conferencing technology
- Implement a Digital Portfolio system for the students

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Appendix A: School Computers Inventory

<u>Department / Title</u>	<u>Location</u>	<u>Model</u>	<u>OS</u>	<u>Hard Drive</u>	<u>Memory</u>
School					
Teachers					
Teacher	Harding Class	Optiplex GX270	XP	40GB	512M
Teacher Art	School	Dimension 2400	XP	40GB	256M
Teacher	School	Optiplex GX270	XP	40GB	512M
Teacher Reading	School	Optiplex GX270	XP	40GB	512M
Teacher	School	HP Pavilion 540n	XP	40GB	480M
Teacher	School	Dimension 2400	XP	40GB	256M
Teacher	School		XP		
Teacher	mauranclass	Optiplex GX270	XP	40GB	
Teacher	School	Optiplex GX270	XP	40GB	512M
Teacher computer	Computer lab	Dimension 2400	XP	40GB	512M
Teacher	School	Dimension L____r	W2K	20GB	
Teacher (BMT)	School	Dimensiononn 2400	XP	40GB	512M
Total	12 Various models				
School Administrative Staff					
School	School Office	Dimension 1100	XP	80GB	1G
Dir of Special Ed	School	Dimension 2400	XP	40GB	512M
School Conference	School	Dimension 1100/B110	XP	70GB	512M
School Secretary	School	Dimension 3000	XP	80GB	
Principle	School	Dimension 1100/B110	XP	160GB	
Clinician	School	Dimension 2350	XP	30GB	256M
Total	6 Dell Dimension				
Computer Lab					
Computer Lab	School	IBM Net Vista	XP	20GB	512M
Computer Lab	School	IBM Net Vista	XP	20GB	512M
Computer Lab	School	IBM Net Vista	XP	20GB	512M
Computer Lab	School	IBM Net Vista	XP	20GB	512M
Computer Lab	School	IBM Net Vista	XP	20GB	512M
Computer Lab	School	IBM Net Vista	XP	20GB	512M
Computer Lab	School	IBM Net Vista	XP	20GB	512M
Computer Lab	School	IBM Net Vista	XP	20GB	512M
Total	8 IBM Net Vista				

Training purposes

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MIS - Laptop	School	Inspiron 1501	XP	80GB	
Total	1 Inspiron laptop				
 Servers					
DHCP	Server Room	PowerEdge 2650	WS2003	3-36GB RAID	3G
File Server (new)	Server Room	PowerEdge 2750	WS2008 R2	3-500GB RAID	16GB
Entrypass	White House	Dimension 2400	XP	40GB	512M
Novell File Server	Server Room	PowerEdge 2650	Novell 6	3-36GB RAID	1G
Symantec Antivirus 10.2	MIS office	Dimension 2400	XP	160GB	1G
Symantec Backup Exec 11D	MIS office	Dimension 1100	XP	80GB	1G
Total	6 Dell Servers				