

**Narragansett School
System Technology
Plan
09/01/2011-09/01/2014**

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COMMITTEE MEMBERS

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Enrichment Teacher**

Lewis Collier – High School Parent

Derek Emery – Assistant Director of Technology

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NARRAGANSETT PUBLIC SCHOOLS TECHNOLOGY PLAN

I. Purpose and Mission Statement

The Narragansett School System's Technology Plan conveys the technology program's mission statement, goals and tactics in technology and our K-12 instructional goals as they relate to technology skills. It also provides action plans including timeline, staff responsible and costs to accomplish these goals. The plan also serves as a reporting tool to the state and other funding agencies.

The mission of the Narragansett School System's Technology Program is to provide high quality and equitable district wide access to technology that will enable students , staff, and parents to access information, manipulate data, explore concepts and creatively express ideas using video, text and audio media using all of the different types of technology available to them.

II. Goals and Tactics

- 1) **Maintain and upgrade a network and hardware infrastructure capable of improving the quality and rigor of teaching and learning for all students and adults.**
 - a) The District will continue to provide access to the district network and the Internet at each workstation.
 - b) Continue to provide instructional staff and students with access to the district network and the Internet at school. Home access to the district network and the Internet will also be provided to instructional staff.
- 2) **Further integrate technology into every curriculum area used by instructional staff and students as an essential tool for reaching high student achievement in grades Pre K-12.**

- a) Re-examine and modify, when necessary, the rigorous, flexible student-centered programs, which meet the individual and diverse learning needs of all students.
- b) Review and maintain on-going professional development in technology to keep our educators directly involved in the process.
- c) Continue ongoing assessments of students and instructional staff, to determine current skill levels, areas of need, and program modifications that may be required.

- 3) **Integrate appropriate technology curriculum to enable a foundation of basic skills for instructional staff and students to apply technology throughout a vertically aligned curriculum in grades Pre K-12.**

Review and revise existing standards-based technology curriculum in grades K-12 that incorporates performance-based activities and uses alternative forms of assessment (including rubrics, traditional tests, and portfolios).

- 4) **Improve utilization of technology including computer, telephone, data networks, and video systems as an integral tool in facilitating learning and communication among the administration, instructional staff, students, parents, and community at large.**

The District will sustain alliances and build upon relations with parents, School Committee, community, and local businesses to maintain our district's educational leadership position.

- 5) **Continue to upgrade and implement available technology resources to ensure the success of the technology plan.**

- a) Maintain and expand an appropriate and flexible district based technology budget to support personnel and other resources needed for the integration of technology. Resources and personnel are necessary for supporting the curriculum and managing IT infrastructure.

III. Action Plans

Goal 1 – Maintain and upgrade a network and hardware infrastructure capable of improving the quality and rigor of teaching and learning for all students and adults.

Tactic a) The District will continue to provide access to the district network and the Internet at each workstation.

Step #	Action Step	Assigned To	Start Date	Due Date	Cost
1	Explore the feasibility and necessity of upgrading the existing network backbone to 10gb Ethernet. If deemed necessary, perform the upgrade as needed.	District Technology Team(DTT)	09/2012	06/2014	\$1,000-\$2,000 per module
2	Maintain and expand upon various telecommunications technologies such as PRI and Centrex lines of the telephone system.	District Technology Team	09/2011	06/2014	\$10,300 per year
3	Perform an annual review and replacement of technology peripherals such as printers, scanners, digital cameras, etc based on needs assessment.	District Technology Team	annual	annual	To be determined by review
4	Upgrade Wireless access points at the NES.	District Technology Team	09/2012	12/2012	\$2,500
5	Perform NHS and NPS building site survey's for wireless access.	District Technology Team	04/2012	06/2012	In house
6	Increase district wide bandwidth to keep up with user demand.	District Technology Team	Annual review	Annual review	\$1,750 per MB
7	Report annually on the current technology status of hardware, software, and personnel in each building.	District Technology Team	annual	annual	In house

Action Plans (cont.)

Goal 1 – Maintain and upgrade a network and hardware infrastructure capable of improving the quality and rigor of teaching and learning for all students and adults.

Tactic b) Continue to provide instructional staff and students with access to the district network and the Internet at school. Home access to the district network and the Internet will also be provided to instructional staff.

Step #	Action Step	Assigned To	Start Date	Due Date	Cost
1	Create technology forms for new students and staff entering the District containing standard checklists for orientation activities. See to it that the Acceptable Use policy is known and enforced each year.	District Technology Team	09/2011	09/2014	In house
2	Continue the use of network user ids for all Instructional staff at the elementary school and expand to give individual classroom accounts for the student's logins.	District Technology Team	09/2011	06/2012	In house
3	Install and implement new technologies such as virtual private networks and Microsoft Terminal services, to improve access to the network and the Internet for Instructional staff from home.	District Technology Team	09/2011	06/2014	\$5,000
4	Acquire SSL VPN licenses for the firewall.	District Technology Team	09/2011	06/2012	\$500
5	Investigate cloud computing services to provide student email at the schools. Implement these services as needed.	District Technology Team	09/2011	06/2014	In house

Action Plans (cont.)

Goal 2 - Further integrate technology into every curriculum area used by instructional staff and students as an essential tool for reaching high student achievement in grades Pre K-12.

Tactic a) Re-examine and modify, when necessary, the rigorous, flexible student-centered programs, which meet the individual and diverse learning needs of all students.

Step #	Action Step	Assigned To	Start Date	Due Date	Cost
1	Ongoing technology integration into the standard K12 curriculum will occur by adding specific technology based lesson plans into the curriculum. Each curriculum area will be addressed according to the District review schedule.	Curriculum Director/District Technology Team	09/2011	09/2014	\$10,000 per year
2	Work with building SIT teams to incorporate a technology action plan into each School Improvement Plan as it relates to technology integration into the curriculum.	District Technology Team	09/2011	06/2014	In house
3	Implement and support the rollout of virtual high school online courses at Narragansett Schools to enhance scheduling and course offering opportunities.	District Technology Team	09/2011	09/2014	\$450 per seat
4	Explore possibilities through grants or alternative funding for providing technology training and equipment for working with teachers on technology integration.	District Technology Team	09/2011	09/2014	80 hours
5	Support the Nautilus live project in the schools as it develops.	District Technology Team	09/2011	09/2014	\$3,800
6	Explore and implement the use of different software to assist low performing students in various curriculum areas such as Plato online.	Curriculum Director/District Technology Team	09/2011	09/2014	\$8,500
7	Utilize new specific software programs to assist students with all curriculum areas with emphasis on literacy and mathematics skills. Examples of this would be Write Out loud, Inspiration, and Pearson Success Net.	Reading Specialists and District Technology Team	09/2011	06/2014	\$32,000
8	Continue the use of Video streaming and video conferencing in the classrooms to support the curriculum.	District Technology Team	09/2011	06/2014	\$3,000

9	Provide technical assistance to the Cisco Academy as necessary for purchasing and troubleshooting.	District and Asst District Tech Coordinators	09/2011	09/2014	In house
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Action Plans (cont.)

Goal 2 - Further integrate technology into every curriculum area used by instructional staff and students as an essential tool for reaching high student achievement in grades Pre K-12.

Tactic b) Review and maintain on-going professional development in technology to keep our educators directly involved in the process.

Step #	Action Step	Assigned To	Start Date	Due Date	Cost
1	Provide opportunities for School Technology Team members to stay current in technical infrastructure and software management through conference and workshop participation.	Building Technology teams	09/2011	Annual	\$9000
2	Work with building SIT teams to incorporate a technology action step(s) into each School Improvement Plan as it relates to professional development for the instructional staff.	Building Technology teams and School Improvement Teams	09/2011	Annual	30 hours
3	Provide professional development opportunities for instructional staff, such as: in-class coaching model, electronic portfolio, common task lessons, just in time learning training sessions and model classrooms.	District Technology Team and School Improvement Teams	09/2011	Annual	45 hours
4	Evaluate the progress of the technology integration at the bi-weekly Technology team meetings.	District Technology Team	09/2011	09/2014	2 hours

Action Plans (cont.)

Goal 2 - Further integrate technology into every curriculum area used by instructional staff and students as an essential tool for reaching high student achievement in grades Pre K-12.

Tactic c) Continue ongoing assessments of students and instructional staff, to determine current skill levels, areas of need, and program modifications that may be required.

Step #	Action Step	Assigned To	Start Date	Due Date	Cost
1	Modify existing technology needs assessment survey for software and hardware needs in the classroom.	District Technology Team	09/2011	03/2014	2 hours
2	Implement the needs assessment survey and analyze results.	District Technology Team	03/2012	annual	4 hours
3	Use the new technology literacy assessment surveys by learning.com to be taken by the 8 th grade students.	District Technology Team	12/2011	06/2014	2 hours
4	Evaluate and implement an appropriate personnel technology skills assessment for use with the staff such as the info source assessment.	District Technology Team	05/2012	annual	8 hours
5	Analyze results of the skills assessments to determine priority training needs for staff and students.	District Technology Team	07/2012	annual	2 hours
6	Continue the implementation and development of the RIEPS electronic portfolio system (EPS) for the high school students to satisfy new graduation requirements. Host the new EPS in district to reduce cost and increase performance.	District Technology Team	09/2011	09/2014	\$4.00 per student per year

Action Plans (cont.)

Goal 3 - Integrate appropriate technology curriculum to enable a foundation of basic skills for instructional staff and students to apply technology throughout a vertically aligned curriculum in grades Pre K-12.

Tactic a) Review and revise existing standards-based technology curriculum in grades K-12 that incorporates performance-based activities and uses alternative forms of assessment (including rubrics, traditional tests, and portfolios).

Step #	Action Step	Assigned To	Start Date	Due Date	Cost
1	Review and revise the district wide technology curriculum.	Curriculum Director/Technology Curriculum Team	07/2012	09/2012	\$2,500
2	Ensure that each school's professional development plan includes a technology strand that aligns with the district wide technology curriculum.	Building Technology Teams and Staff Development Committees	03/2011	Annual	In house
3	Continue the relationship between CCRI and the Narragansett High School's Cisco Academy.	Asst Tech Coordinator	09/2011	Annual	In house
4	Work with the staff to better coordinate the use of technology in their classroom lessons.	Technology Team	09/2011	Annual	In house
5	Continue working with RIDE and other sources to provide more PD opportunities for the staff in the use of technology in their classroom curriculum.	Technology Team	09/2011	Annual	In house

Action Plans (cont.)

Goal 4 - Improve utilization of technology including computer, telephone, data networks, and video systems as an integral tool in facilitating learning and communication among the administration, instructional staff, students, parents, and community at large.

Tactic a) The District will sustain alliances and build upon relations with parents, School Committee, community, and local businesses to maintain our district's educational leadership position.

Step #	Action Step	Assigned To	Start Date	Due Date	Cost
1	Work on the district website to improve information availability, dissemination, and communication among administration, staff, parents, and the community.	District Technology Team	09/2011	Annual review	40 hours
2	Research available options for implementing a content management system to make web page more available and updateable for all staff.	District Technology Team	09/2011	09/2012	In house
3	If deemed appropriate, implement new content management system chosen from above and train staff how to use it.	District Technology Team	09/2012	06/2014	In house
4	Migrate to Microsoft Exchange 2010 district email services to improve email communication between parents, staff, and administration.	District Technology Team	07/2011	09/2011	\$5,000
5	Submit updated technology plan for approval by the RI Department of Education.	District Technology Team	09/2010	09/2010	In house
6	Provide an annual presentation to the school committee concerning technology in the schools.	District Technology Team	Choose meeting during the year	Choose meeting during the year	1 hour
7	Update Power School student information system to continue to improve information that is available to parents, teachers, students, administrators, and reporting.	District Technology Team	09/2011	06/2014	10 hours
8	Research available Internet safety information and disseminate to the learning community.	District Technology Team	09/2011	Annual	In house

Action Plans (cont.)

Goal 5 - Continue to upgrade and implement available technology resources to ensure the success of the technology plan.

Tactic a) Maintain and expand an appropriate and flexible district based technology budget to support personnel and other resources needed for the integration of technology. Resources and personnel are necessary for supporting the curriculum and managing IT infrastructure.

Step #	Action Step	Assigned To	Start Date	Due Date	Cost
1	Budget appropriately for Technology Support Staff to accomplish the goals stated in the District Technology Plan.	Superintendent, District Technology Committee, and Principals	10/2011	Annual	\$352,000 per year
2	Budget appropriately for hardware capital budget program as specified in District Technology Plan. Align capital budget dollars appropriately between the schools.	Superintendent, District Technology Committee, and Principals	10/2011	Annual	\$110,100 per year
3	Budget appropriately for necessary upgrade, maintenance, and repair of existing hardware and software.	Superintendent, District Technology Committee, and Principals	10/2011	Annual	\$62,500 per year
4	Use the ERATE subsidies to help offset the costs and improve District Wide Internet, telephone, and cell phone services. Matching local funds will cover what ERATE does not.	District Technology Coordinator	10/2011	Annual	\$18,400 savings
5	Budget appropriately for necessary computer supplies and materials.	District Technology Coordinator	10/2011	Annual	\$22,700 Per year
6	Budget appropriately for professional development for technology staff.	District Technology Coordinator	10/2011	Annual	\$10,000 per year
7	Continue to support the CISCO Academy at Narragansett High School in order to bring technical support resources to the system.	District Technology Team	10/2011	Annual	\$5,000 per year

PROFESSIONAL DEVELOPMENT STRATEGIES

SUGGESTED STAFF APPLICATIONS FOR IMPLEMENTING TECHNOLOGY GOALS

PRODUCTIVITY: Increase teaching time by using management programs to streamline grades, attendance, discipline, and lunch count, etc. Utilize the Power School program for management of student data and communication with the community.

COMMUNICATION: Use email and web page systems to communicate within the building, throughout the district, and with the community. Use network access to communicate with other educators on specific topics through the Internet. Increase communication with parents by phone and through the Internet.

INFORMATION: Access current information to supplement teaching resources with electronic sources and on-line services. Utilize quality software programs, which allow teachers to more easily evaluate and present information.

MONITORING AND ASSESSMENT: Evaluate individual work with reporting options available on software programs. Evaluate class progress with these options and report student achievement to parents. Review portfolios of student work and writing saved on the network. Prepare written assessments of student progress with report card programs.

INSTRUCTIONAL RESOURCES: Use a variety of multi-media materials to more effectively differentiate instruction to reach students with diverse learning styles. Increase student motivation with expanded multi-media resources for class work and assignments. Provide opportunities for students to work collaboratively and actively.

PLANNING PROCESS FOR STAFF TRAINING AND DEVELOPMENT

Staff development will be provided for all instructional staff on any new programs and initiatives as they are developed. Additional technology integration training will be provided and funded by using state and federal technology funds available. The phases of professional development are briefly elaborated as follows:

Building Technology Team Members will:

- Provide in-service at the building level.
- Respond and adapt to changes in technology
- Be knowledgeable of the technology being used
- Coach and share developing expertise with the staff.
- Develop strategies for sharing technological expertise.
- Model best instructional practices.

Training: Provided by Building Technology Team

- Provide suggestions for developing technological vision for their school improvement plan and increase staff awareness of the technology that is available.
- Develop technical expertise needed to help schools develop their implementation plans.

- Specify equipment configuration for instructional delivery.
- Support staff with the selection of curriculum software.
- Develop plans for needed staff technology trainings as they arise.
- Apprise staff of changes to the network or network procedures.
- Teach new users basic network skills to engage in initial applications.
- Specialized training on network hardware and software.
- Use technology to change and improve instructional practices.

Training: Optional

- Practice using hardware/software with available coaching from technology staff.
- Participate in focused in-service provided by technology team and other colleagues.
- Attend district sponsored technology classes.
- Attend classes for CEU and professional development credits offered by the district and others.

- Share developing skills with students and colleagues.
- Do peer coaching with others on your staff.

Training and Ongoing Support for School-Based Plan:

- Provide continued support for identified staff development needs in school-based plans, such as specialized hardware/software training, Integration of technology in the classroom, developing innovative instructional practices.
- Deploy technology applications for new curriculum (math, writing, etc.) and in grade/subject areas.
- Provide professional development, which incorporates technology into new curriculum, and integrates technology into grade specific classrooms, and subject areas.

INSTRUCTIONAL STAFF NEEDS ASSESSMENT

Staff should complete the Narragansett School System Technology Needs Assessment. The District Technology Team should review the results and use the information to identify professional development opportunities and plan for future hardware and software needs. Additionally, the technology team will administer a Student Technology Needs Survey and observe student's daily practice at grade levels in elementary, middle, and high school. As staff members note the areas in which students need assistance, they will work with their peers to enable changes in student learning experiences.

INSTRUCTIONAL STAFF DEVELOPMENT MODELS

Narragansett Schools will use a variety of models for training and for ongoing professional development. The Technology Department supports staff learners with phone, email and applications support and help design workshops. Technology staff coordinates courses and workshops. Courses are offered in a variety of formats and times, including during and outside of the school day and the school year. Some are offered intensively and some are spaced out over time to provide for practice.

Technology Specialists in each school will offer building-level support and in-service, including "just-in-time learning." Teacher teams will have the opportunity to design online research modules designed to guide teachers through a set of explorations and understandings of Internet use in the classroom and media centers. The district website is a rich resource for student and staff learners. Students and instructional staff are both consumers and creators of curriculum resources online.

Current Instructional Staff Development Models

Instructional staff training models that have been successful and are currently ongoing include:

- **In Class Model Instruction with Technology Integration in the Elementary Classroom**

The in class coaching model provides instructional technology support to all K - 8 teachers and classrooms for particular units of instruction. This approach utilizes mobile laptop carts and/or the computer lab to introduce integrated lessons. Coaching focuses on the development and implementation of curriculum related, integrated technology lessons and activities with the classroom teacher. The media centers are also used to help with this development.

- **E2T2 Model Classroom Initiative**

The Model Classroom Initiative is training focused on ways to integrate technology into the curriculum and enhance student learning. Training will follow the format in which teachers work to create a lesson plan for their content area. Each teacher selected will be given new classroom computers (bringing the total number of computers in the classroom to 5) or other technology hardware to support technology integration into the classroom.

- **Electronic Portfolio Initiative**

The Electronic Portfolio Initiative is required by all students in grades 9-12. Training is provided by the building technology coordinator, the media specialist, and the portfolio/senior project coordinator. Training focuses on how to use the system, post common task assignments, and how to evaluate and grade student work.

- **Just in Time Learning Training Sessions**

Training sessions are provided for new technology initiatives as they are rolled out and presented to the instructional staff. Examples of this have been Power teacher electronic grade book, Exchange email, and SEAS automated IEP software

V. Current Status of Technology

05/10/2010, Narragansett High School Status of Technology:		
ACADEMIC		
Personnel:	District Assistant Technology Director	
	1 full time computer instructor for student classes	
	1 full time media specialist	
Device:	Description:	Details:
Servers:	1 Microsoft 2008 Academic File Server	Dell Power Edge 1950 Xeon quad core 2GHZ w/ 16GB Ram
	1 Microsoft 2008 Administrative file server	Dell Power Edge 1950 Xeon quad core 2GHZ w/ 16GB Ram
	1 Novell Utility Server	Compaq Proliant ML370 650MB Ram
	1 Microsoft 2003 Backup Server	Dell Power edge 2850 2.8ghz with 2gb ram
	1 Cisco Firewall	Cisco ASA 5510
	1 Microsoft Web server	Dell Power Edge 1950 3GHZ w/ 2GB Ram Dell Power Edge 1950 Xeon quad core 2GHZ w/ 16GB Ram
	1 Microsoft Exchange 2007 Mail server	Dell Power Edge 1950 Xeon quad core 2GHZ w/ 32GB Ram
Network Infrastructure:	3 Ethernet 10/100/1000 switches (72, 120, 144 ports)	3 HP Procurve 5406 and 1 5412
		1 Cisco Catalyst 3560 (24 ports 10/100/1000)
		1 Netgear Wireless Access Point for Mobile Classroom
		1 Cisco Networking Academy Router and Switch package. Including: CISCO-LINKSYS LLC, Linksys Dual-Band Wireless-N Gigabit Router WRT320N - Wireless router + 4-port switch - Ethernet, Fast Ethernet, Gigabit Ethernet, 802.11b, 802.11g, 802.11n

		2. CISCO SYSTEMS, Cisco 1841 Integrated Services Router
	5 Wireless Access Points	1 Netgear for Mobile Cart, 2 Cisco Access Points for Science area, 2 Cisco Linksys for Cisco Networking Academy
Computers:	125 Class Room Located Desktops	Dell Optiplex GX 745, Optiplex GX 270 Dell Optiplex GX 755, Dell Optiplex GX 760
	74 Lab Located Desktops	Dell Optiplex GX 745, GX 755, GX 765 Optiplex SX 280, Optiplex GX 270, Optiplex GX 620
	28 media center desktops	Dell Optiplex GX 745
	10 Teacher laptops	Dell Latitude Laptops, D600 - D630
	24 Science Department Laptops	Dell Latitude Laptops, D630
	14 Mobile Cart Laptops	Dell Latitude, D620 - D630
Pentium 3 Computers:	40 Desktop Computers for teaching hardware	Gateway E1600, Dell Optiplex GX 745, Optiplex GX 270
Printers:	3 Color Network Laser Printers Academic	HPCL 2550, Xerox Phaser 8500, Xerox Phaser 8550
	14 Black and White Network Laser Printers Academic	HP Laser Printers various models
	3 Black and White Network Laser printers Admin	HP Laser Printers, 4200, 4100, 4000
Projectors:	23 Ceiling mounted projectors	Dell 2300, 2400, Sony VPL CX-5
	3 Stand Alone projectors	Sony VPL CX-5, Dell 2400, Dell 50100MP
Scanners:	7 Scanners	6 HP flatbed scanners, 1 Fujitsu scan

		snap
Digital Cameras:	10 Digital Cameras	Canon s600, 3 Canon S45,
Digital Camcorders:	3 Digital Camcorder	JVC Everio G Hard disk recorder
Phone System:	Alcatel Phone Switch:	Voice Mail support for analog sets in all academic classrooms and digital sets in all administration areas
Software:	Adobe In Design	10
	Adobe PageMaker	25
	Adobe Photoshop 7.0	25
	AutoCAD Lite	17
	Auto sketch	17
	C++	22
	Destiny Library Catalog Software	open
	Dreamweaver	5
	Fitness Gram	open
	Follett Library Software (archive)	open
	FrontPage	20
	Fuji Flip Camera Video Editing Software	6
	Geometers Sketchpad	open
	Inspiration	25
	Power Teacher Grade book	open
	Mozilla Firefox	open
	Internet explorer	open
	Macromedia Studio MX	25
	Microsoft Money	25
	Microsoft Office 2007	open
	Microsoft Office 2002-2003	open
	Microsoft Publisher	open
	Microsoft Windows XP Professional	open
	Microsoft Outlook 2007	open
	Sasi XP SIS(archive)	open

	Power School Student Information System	open
	School Dude Maintenance Direct	open
	SEAS IEP Software	open
	Kaspersky Antivirus	open
	Text Bridge pro	5
	Vernier Logger Pro 3.3	open
	VMware Vsphere 4	3
	NWEA map test software	open
	Digital voice/flip share software	open
Video Conferencing:	Polycom video conference unit (district shared)	1
Misc Hardware:	Grade Master 600 test scanner	1
	Fuji Digital Flip Cameras	3
	VHS analog video cameras	3
	DVD Players	4
	DVD burners	50
	Symposiums (Smart Technologies Inc.)	4

Current Status of Technology (cont)

05//01/2010, Narragansett Pier School Status of Technology:

ACADEMIC

Personnel:	Assistant District Technology Coordinator	
	1 full time computer Instructor for student classes	

Device:	Description:	Details:
Servers:	1 Microsoft 2008 Academic File Server	Dell Power Edge 1950 Xeon quad core 2GHZ w/ 16GB Ram

Network Infrastructure:	3 Ethernet 1000 Mb switches	3 HP Procurve 5406zl Switches
	2 Wireless Access Points	1 Cisco Aironet 1250
		1 HP Procurve 1400 Wireless Access Point for Mobile Classroom

Intel Core 2 Duo Computers:	129 computers	129 leased Dell Optiplex 755 2.66GHZ Core 2 Duo w/ 2GB RAM (2 labs 24 and 25 PC each, 72 classroom PC, 8 Library PC) PC's leased from 7/1/2008-7/1/2012
	24 Computers	24 E2T2 Dell Optiplex 760 2.8GHZ Core 2 Duo w/ 2GB RAM
	22 Laptops	20 Mobile Classroom Laptops (15 lease Dell Latitude D630 2.5GHZ Core 2 Duo w/ 2GB RAM, 5 Dell Latitude D630) 1 Special Ed Laptop (1 Dell Latitude D630 2.4GHZ Core 2 Duo w/ 2GB RAM) 1 Coordinator Laptop (1 Dell Latitude E6500 2.4GHZ Core 2 Duo w/ 2GB RAM)
Pentium 4 Computers:	81 Computers	33 MCI Computers in 9 Classrooms (27 Dell Optiplex SX280 3GHZ PIV w/ 1GB RAM, 4 Dell Optiplex GX620 2GHZ w/ 512MB RAM, 2 Dell Dimension 2400,
		13 Foreign Language Computers (6 Dell Optiplex 755 2.66GHZ Core 2 Duo w/ 2GB RAM 6 Dell Optiplex SX280 2.4GHZ PIV w/ 512MB RAM, 1 Dell Optiplex GX620 3.4GHZ PIV w/ 512MB RAM)
		35 Classroom Computers (16 Dell Optiplex SX280 2.8GHZ PIV w/ 512MB RAM, 2 Dell Optiplex GX280 2.8 GHZ PIV w/ 512MB RAM, 15 Dell Optiplex GX270 2.8GHZ PIV w/ 512MB RAM, 2 Dell Optiplex 745

16 Laptops	2 Mobile Classroom Laptops (2 Dell Latitude D610 1.8GHZ Pentium M w/ 512MB RAM) 13 Dell Latitude D600 1.6GHZ Pentium M w/ 512MB RAM, 1 Dell Latitude D620 1.8GHZ Pentium M)
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Printers:	14 Networked Printers	2 HP LaserJet 4100, 1 HP LaserJet 4015, 1 HP LaserJet 4000, 2 HP Color LaserJet 2550, 1 Xerox Phaser 6280, 1 HP LaserJet 2200, 2 HP LaserJet 1200, 2 HP LaserJet P2015, 1 HP DeskJet 990c, 1 HP LaserJet 1320
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Projectors:	22 Projectors	16 ceiling mounted projectors , 6 mobile projectors
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Scanners:	7 Scanners	4 HP Scan jet 4070, 1 HP Scan jet 4850, 1 UMAX Astra 2100u, 1 HP Scanjet 4400c
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Digital Cameras:	6 Digital Cameras	2 Sony Cyber shot DSC-W90, 2 Sony Cyber shot DSC-W5, 1 Canon SX280IS, 1 Sony Cyber shot DSC-W290
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Digital Camcorders:	1 Digital Camcorder	1 Canon Optura 30
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Magnifying Camera	1 Magnifying Camera	1 Clarity PC Mate
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Digital Visual Presenter:	9 Elmo Digital Presenters	4 Elmo TT-02s, 5 Elmo TT-02RX
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SMART Board:	1 SMART Board	1 SMART Board 680with UF55 projector
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Phone System:	Alcatel Phone Switch:	Analog sets in all academic classrooms and digital sets in all administration areas
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Software:	Adobe 8.0 Professional	1
	Adobe Photoshop CS	6
	Edmark Reading Software	6
	Fitness Gram	open
	Follett Library Software	open
	Inspiration 9.0	open
	Internet explorer	open
	Kaspersky Antivirus	open
	Kidspiration	20
	Macromedia Flash	15
	Macromedia Dreamweaver	1
	Mavis Beacon	open
	Microsoft Office 2000/XP/2003/2007	open
	Microsoft Windows XP	open
	Mixcraft 5	5
	NWEA Testing	open
	Power School	open
	Read 180	90
	Robolab NXT v1.1	open
	School dude Maintenance Direct	open
	SEAS IEP Software	open
Sony Vegas Movie Studio	9	
VMware Vsphere 4	3	
Write Outloud 6	open	

Video Conferencing:	Polycom video conference unit (district shared)	1
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Administrative

Device:	Description:	Details:
Intel Core 2 Duo Computers:	6 Computers	6 leased Dell Optiplex 755 2.66GHZ Core 2 Duo w/ 2GB RAM
Pentium 4 Computers:	4 computers	1 Dell Optiplex 745 2GHZ w/ 1GB RAM, 1 Dell Latitude D620 1.83GHZ Pentium M w/ 2GB RAM, 2 Dell Optiplex GX280 2.8 GHZ PIV w/ 512MB RAM
Printers:	2 Networked Printers	1 HP LaserJet 4200, 1 HP Color LaserJet 2550
	4 Stand alone Printers	2 HP LaserJet 1022, 2 HP LaserJet P1505

Current Status of Technology (cont)

05/27/2010, Narragansett Elementary School Status of Technology:

ACADEMIC

Personnel:	Fulltime Technology/Enrichment Teacher (10 months)	
	Fulltime Computer/Network Technician	

Device:	Description:	Details:
Servers:	2 Academic File Servers	1 g5 Xserve file server with 1.5gb ram 110.6 Xserve CTO 6g

Network Infrastructure:	7 Ethernet 10/100/1000 switches	3 HP Procurve 5406 (120 ports each)
	15 Wireless Access Point	1 Cisco Catalyst 3560 (24 ports 10/100/1000) 14 Airport Wireless Access Point for the building

EMAC/IMAC Computers:	196 computers	120 leased IMAC 17" 2.4G Intel Core Duo 2G SD with 2GB RAM (1 lab 23 , 93 classroom ,leased from 8/01/2004- 8/01/2007)
		74 EMAC Computers in Classrooms
		2 G4 workstations with 512mb ram
	48 Laptops	7 ibooks 10 MacBooks Cart 10 iBooks 14" Cart 13 iBook G4 12" Reading Cart

		<table border="1"> <tr><td>1 MacBook Pro</td></tr> <tr><td>1 Powerbook G4</td></tr> <tr><td>1 Powerbook G4</td></tr> <tr><td>5 MacBooks Leopard</td></tr> </table>	1 MacBook Pro	1 Powerbook G4	1 Powerbook G4	5 MacBooks Leopard
1 MacBook Pro						
1 Powerbook G4						
1 Powerbook G4						
5 MacBooks Leopard						
Pentium 4 Computers:	22 Computers	6 Dell Optiplex 760, 3 Optiplex 755, 2 Optiplex 520, 1 Optiplex SX280, 2 Optiplex SX270, 1 Optiplex SX170L, 4 Dell Optiplex GX260 2.4GHz PIV w/ 512MB, 1 Optiplex SX 220, 1 Optiplex 750, 1 GX620				
	7 Laptops	7 Dell latitude laptop,				
IPad	1 Apple iPad	Wi-Fi 16GB				
Printers:	13 Networked Printers	1 HP LaserJet 4050, 2 Xerox Phaser 6280, 1 Dell 3100cn , 1 HP LaserJet 1200N, 2 HP 2015N LaserJet, 2 Xerox Phaser 8560 1 Xerox Phaser 6180n, 1 HP DeskJet 6127, 1 HP Deskjet 6940, 1HP LaserJet2035n				
Projectors:	7 Projectors	1 ceiling mounted Sony CX70 projector, Dell 2400MP & M209X projectors; 3 Sony VPL mobile projectors, 1 Dukane cart projector				
	4 Promethean 20AS Projectors	4 ceiling mounted 20AS Projectors used with the Promethean ActivBoards				
Promethean ActivBoards	4 ActivBoards	4 87" AB+2 Fixed Boards				
Scanners:	3 Scanners	2 HP 4070 Photo smart, 1 HP scan jet 3400				

Digital Cameras:	14 Digital Cameras	Kodak easy shares
Digital Camcorders:	3 Digital Camcorder	3 Cannon Digital Movie Cameras
	4 Flip Cameras	Flip Video Mino Camcordert
Phone System:	Alcatel IP telephones	
Alpha Smarts:	25 Alpha Smarts	
Software:	A to Zap	Microsoft Office Mac 2004
	Activ-Inspire	Microsoft Office Mac 2008
	Adobe	Microsoft Office 2003 Professional
	Board maker	Microsoft Office 2007
	Brain Pop Jr.	MS Office Outlook Web Access
	Choose It! Maker 2	Microworlds Jr.
	Co-Writer	NWEA Testing
	Destination Reading	Outlook
	Dreamweaver	Pearson
	Dreamweavers	Power School SIS
	Earobics	Renzulli
	Edmark	Robolab
	Final Cut Express	Safari
	Firefox (Mozilla)	SEAS IEP Software
	Fitness Gram	Simtech Super Switch Puzzles
	Flip Software	Snow Leopard 10.6
	Follett Library Software	Snow Leopard Server Update 10.6
	Garage band	Sophos
	GroupWise Messenger	Switch It! Maker 2
	Ice Cream Truck	The Print Shop
	iDVD	Thinkin' Things
	Internet Explorer	Typing Instructions for Kids

iPhoto	Video Streaming
iMovie	Windows XP Professional
iTunes	Write Out loud
Kaspersky Antivirus	Zoom text
Kidpix Deluxe 3X	
Kidspiration	
Leopard 10.5	
Mac OSX 10.4.11	

Video Conferencing:	Polycom video conference unit (district shared)	1
Misc Hardware:	6 (Etrex) Radio Shack Garmins 5 Digital Blue Microscopes 1 Roamer Robot	

Administrative

Device:	Description:	Details:
Pentium 4 Computers:	4 computers	2 Dell Optiplex GX520 2.8GHZ PIV w/ 1GB RAM, 1 Dell Optiplex 170L 2GHZ w/ 512MB RAM, 1 Dell Optiplex GX280
Laptop Computers:	2	1 Dell Latitude D610 2.0GHZ Pentium M w/ 1gb RAM, 1 Dell Latitude D620 2.0GHZ Pentium M w/ 2gb RAM, 1 G
Printers:	3 Networked Printers	1 HP 3700N, 1 HP LaserJet 1300, 1 HP DeskJet 6127

Current Status of Technology (cont)

09/01/2008, Narragansett District Office Status of Technology:

Personnel:	Director of Technology	
Device:	Description:	Details:
Servers:	1 Windows 2008 Administrative File Server	Dell Power Edge 1950 w/16GB Ram
Network Infrastructure:	2 Ethernet 10/100 switches	1 Cisco Catalyst 3560 (24 ports)
		1 Cisco Catalyst 2950 (24ports)
Pentium 4 Computers:	8 computers	4 Dell Optiplex SX280 2.8GHZ PIV w/ 512mb RAM , 2 Dell Optiplex GX260 , 1 Dell Optiplex GX260, 1 Dell Optiplex GX270 2.4ghz 512mb ram
	4 Laptops	2 Dell latitude D620 laptops 2.13 GHZ Pentium M w/ 2gb RAM, 2 dell Latitude E6500 Laptop 2.4ghz 4gb ram Intel core duo
Printers:	5 Networked Printers, 2 standalone	HP LaserJet 4050N, 1 Xerox 6280N Color Laser, 2 HP LaserJet 4015N, 1 HP DeskJet 6127, 1 Xerox Work center 238, 1 HP LaserJet 1500L , 1 HP DeskJet 932c
Projectors:	1 Projector	Sony Cx70, Infocus CX1
Scanners:	1 Scanner	1 HP Scan jet 4570c
Digital Cameras:	0 Digital Cameras	
Phone System:	Alcatel IP telephones	
Software:	Adobe 7.0 Professional	5
	Mozilla Firefox 3	open
	Internet explorer	open
	Microsoft Office 2000/XP/2003/2007	open
	Microsoft Publisher	open
	Microsoft Windows xp/Vista	open

Windows Server 2008	open
Reflections 11	open
Power School SIS	open
School dude Maintenance Direct	open
SEAS IEP Software	open
Kaspersky 6.0 Antivirus	open