

II. Executive Summary

Madison School District Mission Statement

The Madison School District will inspire and challenge all students to be life-long learners, empowered with the knowledge, skills, and character to shape their future, realize their dreams, and contribute positively to the world.

Values/Beliefs

- We believe that all people have intrinsic value.
- We believe that embracing diversity strengthens the community and enriches our lives.
- We believe that choice powerfully shapes the course of one's life.
- We believe that human potential is unlimited.
- We believe that a strong community supports the well-being of each of its members.
- We believe that integrity and trust are critical to achieving excellence.

III. Technology Overview

A. Technology 1. Inventory

Building	Classroom Computers	Office Computers	Instructional Notebook Computers	Laser Printers	Color Printers	Hub/Switch	IP Phones	Wireless access points
Madison High School	261	32	96	94	2	18	97	8
Madison Junior School	106	13	50	53	-	10	58	2
Central Avenue School	55	8	46	45	1	4	49	2
Torey J Sabatini School	66	6	29	30	-	2	31	2
Kings Road School	39	5	33	27	-	4	33	2
District Office Building	N/A	12	N/A	11	-	4	11	-
Totals	527	76	254	260	3	42	279	16

	MHS	MJS	CAS	TJS	KRS	DO	Overall
Classroom & Lab Computers	357	156	101	95	72	N/A	781
Office Computers	32	13	8	6	5	12	76
Total Computers	389	169	109	101	77	12	857
Students	700	350	490	312	325	N/A	2177
Percent Wired	100%	100%	100%	100%	100%	100%	

2) Inventory needed to improve student academic Achievement

The following is a list of the inventory that the district would like to provide to the students. We feel that the addition of this hardware along with training and a clear guide for use as it pertains to the curriculum would greatly benefit our students.

- *Technology equipment*
 - Smartboards for the 46 remaining classrooms do not have them.
 - Laptop computers for all teachers.
 - Wireless infrastructure. The district would start with installing a wireless infrastructure in the High School. Future plans would include extending the network into the four remaining buildings.
 - One additional 25 station laptop cart in our High School.
 - Additional laptop carts in our elementary schools.
 - Explore the possibility of using FM audio systems in the primary grades.
- *Networking capacity*
 - Our recently upgraded network should serve us well for at least the next 3-5 years. The district utilizes Gb speed private fiber optic cable between buildings. Additionally, all internal wiring closets are connected by Gb fiber. We have 100Mb connections to all of our desktops, and our internet connection speed has recently been upgraded to 50 Mbps.
- *Software used for curricular support and filtering*
 - The district uses several software packages such as, but not limited to, Fast math, Solo, Typing Tutor, Synergy, Microsoft Office Suite, and Smart Notebook to adequately supply Curricular support. We use an Iprism appliance for web content filtering.
- *Technology maintenance policy and plans*

- The district Coordinator of Technology, the Superintendent of Schools, and the Business Administrator routinely meet to discuss future technology plans as it pertains to routine replacement and maintenance of technology equipment. The district also periodically forms technology discussion panels and planning groups to ensure the technology plans support the needs of the students and staff members.
- Telecommunications Services
 - The district recently installed a VOIP phone system that provides a phone in each classroom; as well as a voice mail box for each staff member. It is our belief that this phone system will further cultivate communication between staff and parents. We will also be exploring the possibility of using the phone system, coupled with the classroom computer and LCD projector to facilitate distance learning and virtual field trips.
- Technical support
 - The district will continue to utilize a tiered approach to providing tech support. All tech calls are routed through the Technology Resource Person for each building. If the issue cannot be resolved by the Tech Resource Person, it will be sent to the Technology Department. The Technology Department will continue to provide timely service and maintenance on all equipment, striving to maintain a 24 hour turnaround for all tech related service calls.

3) Assistive technology

We are using a variety of assistive technology devices and software programs. At the upper elementary and junior school, we have the Alphasmart word processors and we purchase two notebooks for use at MJS. For software, we are using Boardmaker, Clicker 5, CLOZE Pro for students with significant disabilities to promote their inclusion in the general education classroom. We have purchased the SOLO suite of software (write outloud, read outloud, co-writer and draft builder) as a site license available to all students and to parents and teachers for home use. We have also purchased the Kurzweil program for the junior school and high school to assist with reading. Both the FAST MATH and Fraction Nation programs provide support in math. Finally, we are using books on tape from RFB& D and the Bookshare program for audio books.

4) Educators Access to Technology

Each one of our classrooms has a Teachers work station that is connected to an LCD projector. Also, one third of our classrooms are equipped with Smartboards. We also have a computer lab in each elementary school, two in our Junior school, and three in our High School. In addition to the stationary labs we have seven laptop carts in our High School, two in our Junior School, and one in Central Avenue School. All of the computers have network and internet access. We also have several software packages such as Inspiration, Kidspiration, and Solo installed on all of the computers.

5) Administrator Access to Technology

Each administrator is provided with a Laptop, or Desktop PC that is connected to our Windows 2003 network, and the internet. Microsoft Office is installed on all administrative computers.

6) Website Accessibility

Our district uses a remote website platform called Schoolwires Centricity. Schoolwires Centricity provides a series of tools that help provide editors with the ability to construct templates and content elements that comply with the Americans with Disabilities Act (ADA) Section 508 guidelines. Schoolwires understands the importance of ADA Compliance and continues to strive to provide enhancements and features to help organizations comply with the guidelines. Each of these elements allow for viewers with visual impairments to access the site via such tools as screen-readers.

Content Contribution and Editing

During content contribution, the Schoolwires Editor requires that all imagery inserted has a ALT attribute assigned.

Site Template Creation

When creating templates, the Schoolwires Styler tool allows web designers to manufacture “tableless” or CSS layouts. These templates produce a positive ADA-compliant user experience.

Site Navigation Mechanisms

The Schoolwires Academic Portal provides a library of rich navigation objects. Though some of these include dynamic JavaScript menus, the product offers other ADA-friendly navigation objects. These objects include a Site Map, Channel Section List, Section List and Page List. These objects do not use JavaScript and are listed as simple hyperlinks.

7) Replacing Obsolete Technology

Computers more than 5 years old will either be donated to a needier district (if serviceable) or correctly disposed of. Adequate funding will be budgeted to assure ongoing replacement of outmoded hardware and out-dated software.

B. Cyber Safety

1. Filtering Method

Our district uses the Iprism web filtering appliance. All of the districts internet traffic is routed through the appliance, ensuring that all district computers are being filtered. The filter receives updates from the manufacturer, and the parameters are routinely adjusted to ensure proper content filtering throughout the district.

2. Acceptable Use Policy

Attached please find a copy of our Acceptable Us Policy.

3. District Internet Safety Policy

- a) The policy set in the districts web filter blocks all obscene content and pornographic material that is on the internet.
- b) Students and their families are educated about online safety awareness both during regular classes and through assembly presentations. We have hosted presentations by the Madison Board of Health and the Morris County Prosecutor’s Office that detailed the various risks associated with posting information and images as well as when communicating with others across the Internet. Through these seminars we have specifically instructed parents to be aware of the children’s various accounts and passwords, and advised parents on strategies for searching for content posted by their children.

4. Community and Public Notice

Annual technology update at February 9, 2010Board of Education Meeting inclusive of internet safety and filtering.

Cyber Bullying policy 5512.02 adopted at second reading on March 27, 2007.

C. Needs Assessment

1. A. A team of 30 staff members was put together to discuss the future of technology in our district, and develop a survey that would measure our teachers practices in integrating technology and the proficiency of our teachers in many areas of technology. The survey results were then reviewed, and an action plan was created that would address the needs of the teachers.
 - B. Attached to the end of this document please find two documents that outline the summary of educators proficiency. The first document is a “Narrative Comments Summary” that outlines areas for technology improvement. The second is a detailed spread sheet that reflects our educators proficiencies in technology. Data for both documents was gathered from review of comprehensive technology survey that was administered to the staff.
- I/II. Currently, every student and faculty member has daily access to modern multimedia computers. Each classroom and learning space has at least one, network connected computer that offers at minimum access to email (for the staff), a filtered (based upon the individual user’s needs) Internet connection, and Microsoft Office. Each school building has at least one computer lab, with 24 student work stations, a teacher work station, and printing capability within the room. Each school building has a library that offers at least 12 similar computers to its patrons. Our High School and Junior School also have laptop carts that are available for the teachers to sign out. The elementary labs offer special software targeting the needs of the K-6 student, and we offer networked typing tutorial software on all student computers for grades K-8. All labs, libraries and full size classrooms have a video projectors as well as monitor connected to the teacher’s work station.
 - III. The needs of the educators are evaluated by discussion and observation, as well as a formal online technology survey that was administered to the staff.
 - IV. The needs of the students are evaluated by the observations of our technology teachers as well as benchmarking the students graded performance against our technology curriculum.
 - V/VI. Educators and Administrators have been provided with professional development in the form of in-service classes given by both out of district presenters, and our in house technology staff.
 - vii. The Madison School District provides ongoing, sustained professional development for all staff to further the effective use of technology in the classroom and library media center. For the 2009-10 school year, these opportunities have included after school workshops, a Summer Technology Camp, and Inservice Day workshops. Some specific workshop sessions have included:
 - ✓ *The Why and the How of Cool Web Tools*
 - ✓ *Smartboard Tools*
 - ✓ *Digital Storytelling with Photo Story III*

- ✓ *Web 2.0: Wikis and Videos and Podcasts, Oh My!*
- ✓ *Schoolwires in the Classroom*
- ✓ *Cloud Computing in the Classroom*
- ✓ *Thinkfinity.org: Resources for 21st Century Learners*
- ✓ *Blogging Your Way Through the Week*
- ✓ *Have More Confidence in Your Power Point Skills*
- ✓ *Using Google Even Better*
- ✓ *Teacher- and Student-Created Videos to Liven Things Up!*
- ✓ *SmartBoard Lessons for the 3rd, 4th, and 5th Grade Curriculum*
- ✓ *Google Docs and Youtube on my website “The FAQ and How To”*
- ✓ *Senteo – Smart Response System “Think outside the clicker!”*

- viii. The Madison School District also provides ongoing, sustained professional development for all administrators to further the effective use of technology in the classroom and library media center. Administrators are encouraged to attend the same sessions provided for educators, and many of them do this. Additionally, the district invited a specialist in the area of instructional technology to work with our administrative team during a special training session on Blogging and Wikipedia.
- ix. Support in technology is offered to educators in a variety of ways. In addition to specific professional development opportunities, the district has also instituted a “Technology Ranger” program which identifies staff members skilled in a variety of technology applications and “deputizes” them to serve as troubleshooters and helpers to colleagues within their area of expertise. The Technology Rangers often take a few minutes at faculty meetings or special morning breakfasts to share out ideas. This program, while only in its first year of implementation, has been very successful and has lifted up the overall level of technology understanding among the faculty.
- x. Professional development needs and barriers related to using educational technology as part of instruction have been identified. The district’s primary barrier, at this time, is directly related to the economic climate and the very tight budget constraints of the district. The district has needed to prioritize distribution of hardware, including SmartBoards, and has sought other funding resources through grant opportunities and business alliances.
2. To improve academic achievement in all curricular areas through the use of technology, the district will need to continue its ongoing initiatives, as well as institute new technology. The following is a list of initiatives that have either been started or are pending funding.
- A. Purchasing and installation of Smartboards for the remaining 1/3rd of our classrooms.
 - B. Purchase and installation of laptop computers for our staff members to ensure that all teachers have access to a multi media computer at all times
 - C. We need to purchase additional laptop carts for each school, starting with MHS, CAS, and KRS, to ensure that all students have adequate access to computers and software.
 - D. Wireless infrastructure installed in our High School to ensure network connectivity for all laptop computers.
 - E. Install 3 laptop computers in each 3^d through 5th grade classroom.

F. Expand the use of software such as Fast Math, Solo, Inspiration, and Kidspiration across the district.

3. Priorities for above are as follows:

- A. Laptop computers in the 3rd -5th grade classrooms
- B. Expand use of software
- C. Additional laptop carts
- D. Smartboards
- E. Staff laptops
- F. Wireless infrastructure

IV. Three year Goals and Objectives

A. History

1. All students and teachers will have access to current technology in their classrooms, schools, communities, and homes.

This broad and ongoing goal has to date been met with success. All of our classrooms have at least one computer connected to the district network, and a video projector that allows the teacher to share their content with the class. Two thirds of our classrooms also have interactive white boards. Additionally we have computer labs in each school building, available computers in each library, and mobile computer carts in several of our buildings to provide ample opportunities for 1:1 student / computer access. We also have extended access into the Madison Public Library, to allow for access to our resources outside of the regular school day to all members of our community.

2. All students will have technology and information literacy.

We are achieving this ongoing goal through the infusion of technology in all areas of education. Students at all levels are taught basic computer use through example and practice. We also make available peripherals such as printers, scanners, digital cameras and applications such as word processing, spreadsheets, databases, specialized Math software, English software, and multi-media presentation software, and use these tools as regular elements of our curriculum.

3. Digital content and networked applications will transform teaching and learning.

As we have updated our curriculum, we have incorporated technology into each unit of study. Grade level meetings determined activities, and new curricula will address requirements of NCLB. We have instituted online programs that allow students to easily transfer assignments to and from school. This software also allows for online collaboration.

4. All teachers will use technology effectively to help students achieve high academic standards.

We have implemented a staff development program that promotes computer proficiency throughout the faculty. We have instituted a "Tech Ranger Program" in which Teachers that specialize in certain areas of technology help other teachers to develop lesson using this piece of technology.

5. Technology will be used to streamline administrative processes and improve communication among administrators, teachers, parents and the community.

Our continuing achievement of this goal is realized through a three tiered approach to information collection and dissemination. We have subscribed to Schoolwires, a web hosting service that offers teachers a wide array of tools to develop and maintain their own web page. We use a system called Synergy that allows teachers to set up online assignments that can be turned in through a web based portal. We offer all staff members email accounts and easy access to those accounts both at school and at home.

B. Goals and Objectives for 2010-2013

1. All students and teachers will have access to current technology in their classrooms, schools, communities, and homes.

2. All students will have technology and information literacy.

3. Digital content and networked applications will transform teaching and learning.

4. All teachers will use technology effectively to help students achieve high academic standards.

5. Technology will be used to streamline administrative processes and improve communication among administrators, teachers, parents and the community.

v. THREE-YEAR IMPLEMENTATION ACTIVITY TABLES (July 2010 – June 2013)

Implementation strategies are based upon the Goals and Objectives and are presented as activity tables that include categories: outcome, timeline, responsibility detailing who will be involved and accountable, and documentation indicating the achievement benchmark. Technology is focused upon student achievement and the intent of the Core Curriculum Content Standards. Distance learning activities are infused with appropriate curriculum and technology.

Madison promotes a high degree of gender and racial homogeneity throughout our classes; typically class distributions mirror the makeup of our population. The emphasis on placing technological assets in labs, on laptop carts, and publicly accessible areas such as the school libraries avail these facilities to all of our students. Close collaboration with the Madison Public Library enable us to offer a rich, diverse array of resources with minimal duplication and extensive access both during and outside of regular school hours.

We will continue to form technology committees on a yearly basis to review our technology plan and make modifications where necessary.

Resources are shared and service coordinated with other projects and programs, such as the Educational Technology Training Center, County Technology Initiatives and No Child Left Behind funding. A balance of resources will be reached where every staff member and student will have direct access to appropriate technological resources at least some portion of every day.

The objectives and activities reinforce equity for the access to resources and allow us to enhance teaching, training, and student achievement of the Core Curriculum Content Standards. Every attempt will be made to coordinate the technology resources and services with other grant funds available from national, state, and local sources through the implementation of this plan. The district will work closely with the various volunteer agencies in our service area

The district's website contains links to pages for each of the five schools. Parents and community members can access information regarding each school's programs and events as well as updates on board of education actions, and copies of policies under review by the Board. All teachers have been assigned both email and voicemail accounts. Parents are able to contact teachers via email and phone regarding their child's progress, or any concerns they may have.

Goal 1 - All students and teachers will have access to current technology in their classrooms, schools, and in the communities/home.

- 1.1 Inventory in schools will be updated and upgraded all students and educators will have regular and equitable access to technology equipment (both desktop and portable) when needed in all learning environments.
- 1.2 Computers will be allocated across classrooms and shared computer centers according to educational needs and priorities.
- 1.3 Adequate technical support via a technician and/or electronic assistance that is necessary to maintain operating technology equipment will be provided.
- 1.4 The district Website will be routinely maintained and be optimized for usability and accessibility
- 1.5 All school districts will adopt an Acceptable Use Policy and other means to ensure that all students, teachers and administrators are able to use technology systems, online resources and software in a safe, ethical and secure manner.
- 1.6 Provisions will be made in ensure that all students and educators will have regular and equitable access to technology both within and outside of the regular school day, or if universal design features or other design modifications are necessary.

Goal(s)	Actions	Responsibility	Target	Completed
1.1	Annual Inventory will be updated and evaluated for outmoded hardware	Coordinator of Tech	Ongoing; Report annually	-
1.2	Develop criteria for allocation of additional or revised equipment	Superintendent	Ongoing; Report annually	-
1.3	Technology Department in conjunction with Technology Reps and Tech Rangers will provide tech support to staff members.	Coordinator of Tech	On Going; Report Annually	
1.4	All faculty members will be encouraged to enhance or revise their pages on the district website monthly	Superintendent	On Going; Report Annually	-
1.5	Acceptable Use Policy will be annually adjusted to reflect the evolving environment that it addresses	Coordinator of Tech	On Going; Report Annually	-
1.6	Meetings will be held as necessary to address the unique requirements of any special needs students	Director of Special Services, Coordinator of Tech	On Going; Report Annually	-

Goal 2: All students will have technology and information literacy

- 2.1 All students will know the basics use of equipment and understand how it works
- 2.2 All students will practice responsible and ethical use of technology systems, information and software when using onsite and online information resources
- 2.3 Educational technology will be infused into every school district’s curriculum and instructional activities
- 2.4 All students will demonstrate proficiency in using educational technology and information literacy skills to enhance learning, increase productivity and promote creativity.
- 2.5 All students will have equitable and easy access to the Internet and other distance learning technology to obtain information and resources from remote locations to collaborate, publish and interact with peers, experts and other audiences.
- 2.6 Students will be introduced to the skills that will enable them to be life long learners.

Goal(s)	Actions	Responsibility	Target	Completed
2.1	Students will employ Basic Computer use (e.g. using the keyboard or pointing device) through example and practice	Classroom Teacher, Computer Lab Teachers	On Going; Report Annually	-
2.2	Identify safe and responsible computer use practices for student use	Librarian, Technology Teacher	On Going; Report Annually	-
2.2	Specific instruction on safe computer use practices will be included in all research projects	Classroom Teacher, Librarian	On Going; Report Annually	-
2.3	Augment curriculum to include computers and technology as appropriate	Assistant Supt. Of Curriculum,	On Going; Report Annually	-
2.4.1	Elementary Students will learn Basic computer applications such as word processing, spreadsheets, databases, multi-media presentations, to create documents	Classroom Teacher, Librarian	On Going; Report Annually	-
2.4.2	Research applications (including locating, and evaluating information from multiple sources, while processing & reporting results)	Classroom Teacher, Librarian	On Going; Report Annually	-
2.4.3	Selecting applications, information sources and technological innovations that are appropriate for specific tasks	Classroom Teacher; Coord. of Tech	On Going; Report Annually	-
2.5	District Wide computer use procedures will be developed that comply with the Acceptable Use Policy	Assistant Supt. Of Curriculum	On Going; Report Annually	-
2.6	High School students will be offered online courseware	Assistant Supt. Of Curriculum, High School Librarian	On Going; Report Annually	-

Goal 3: Digital content and networked applications will transform teaching and learning.

- 3.1 Technology will be incorporated into curriculum planning.
- 3.2 Teachers will incorporate technology in student assignments in ways that help foster student creativity, productivity, problem-solving, decision-making, information gathering, real-world applications and interaction/communication.
- 3.3 All students will demonstrate proficiency in using educational technology and information literacy skills to enhance learning, increase productivity and promote creativity.
- 3.4 All school districts will adopt curricula that include information literacy and educational technology standards aligned with the Core Curriculum Content Standards and accepted national standards.
- 3.5 All students will use technology tools and applications for solving problems, making informed decisions, and participating in authentic, project-based learning.

Goal(s)	Actions	Responsibility	Target	Completed
3.1	Curriculum writers will incorporate at least one component of technology into every unit of study and course as it comes up for review.	Assistant Supt. Of Curriculum; Curriculum Committee	On Going; Report Annually	-
3.2	Grade level meetings to determine an integrated activity to be done over the network and what subjects it will cover	Technology Coord, Teachers, Administration	On Going; Report Annually	-
3.3.1	Train Students in grade 3 to become familiar with the keyboarding skill, to develop word processing document	Grade 3 teachers,	On Going; Report Annually	-
3.3.2	Train Students in Grade 5 to collect data for construction of data base that can be applied to any subject in curriculum	Grade 5 teachers,	On Going; Report Annually	-
3.3.3	Train Students in Grade 7 to transfer information learned in 5 th and 6 th database; highlight cell to form a spreadsheet	Grade 7 teachers,	On Going; Report Annually	-
3.4, 3.5	New curricula will address requirements of NCLB and include new technological assets as acquired by the district	Assistant Supt. Of Curriculum; Curriculum Committee	On Going; Report Annually	-

Goal 4 - All teachers will use technology effectively to help students achieve high academic standards.

- 4.1. All educators attain at least intermediate proficiency levels in utilizing educational technology through participation in high-quality staff development programs
- 4.2 All supervision and evaluation practices will address the effective use of educational technology for student achievement of the Core Curriculum Content Standards.
- 4.3 Use technology in a broad range of curriculum/lesson plans according to appropriate grade level
- 4.5 Have access to ongoing training and other professional development that provides the tools and skills needed
- 4.6 Be trained in cooperative learning techniques and learning styles.
- 4.7 Have an individual development plan that targets increasing technology proficiency in areas that will help the district succeed in goal 2, 3 and 5.
- 4.8 All educators will have access to e-mail and other interactive tools to communicate with parents, students and other educators.

Goal(s)	Actions	Responsibility	Target	Completed
4.1, 4.2 , 4.3	Implement staff development program to promote computer proficiency and procedures	Assistant Supt. Of Curriculum; Local Professional Development Committee	On Going; Report Annually	-
4.2	Augment curriculum to include computers and technology as appropriate	Assistant Supt. Of Curriculum; Curriculum Committee	On Going; Report Annually	-
4.5	Encourage “Tech Rangers” to offer in-services to peers on newly developed practices	Assistant Supt. Of Curriculum; Coordinator of Tech	On Going; Report Annually	-
4.5, 4.6, 4.7	Continue to schedule regular sessions for professional development that enhance the faculty’s capability	Assistant Supt. Of Curriculum; Coordinator of Tech	On Going; Report Annually	-
4.8	Expand use of district wide phone system to retrieve and respond to voice mail	Assistant Supt. Of Curriculum; Coordinator of Tech	On Going; Report Annually	

Goal 5: Technology will be used to streamline administrative processes and improve communication among administrators, teachers, parents and the community.

- 5.1. All administrators and office staff will have a networked, internet-connected computer capable of running current programs.
- 5.2. Community members will have ready access to voice mail for all staff members
- 5.3. All staff will have an e-mail account provided by the district, and use e-mail for communication with staff, parents and students.
- 5.4. Staff will have access to and use school software to manage attendance, grades and scheduling as appropriate.
- 5.5. Appropriate staff will have access to and use specialized software to develop and manage IEP's on a centralized server.
- 5.6. The website will function to as serve as a timely and useful communication vehicle.
- 5.7. Make selected student information available to parents in a secure and responsive forum

Goal(s)	Actions	Responsibility	Target	Completed
5.1	Maintain and update computers and peripherals throughout the district	Coordinator of Tech	On Going; Report Annually	-
5.2	Expand on use of district wide voicemail as a communication tool for parents and staff	Coordinator of Tech	On Going; Report Annually	
5.3	Maintain Mail Server and provide all new staff members with accounts and training	Coordinator of Tech	On Going; Report Annually	-
5.4	Maintain Student Information System software for all levels of education	Coordinator of Tech	On Going; Report Annually	-
5.5	Maintain Software for Child study Team	Coordinator of Tech	On Going; Report Annually	-
5.6	Continue to train all staff members on the use of our Schoolwires website, to ensure that timely information available to parents and students	Webmaster, Assistant Supt. Of Curriculum Staff Development Committee	On Going; Report Annually	-
5.7	Deploy new student information system that has the capability of allowing parents to access student grades	Coordinator of Tech	Sept. 2011	

VI. FUNDING PLAN (July 2010 – June 2011)

Description	2010-11	2011-12	2012-13
Library Supplies - Tech.	16,020	16,340	16,667
Conf & Travel	7,300	7,446	7,595
Instr Purchased Svcs	31,086	31,707	32,342
Instructional Supplies	68,138	69,501	70,891
District wide Instr. Software	33,915	34,593	35,285
Technology Equip	22,962	23,421	23,890

Due to budget cuts and restrictions, the districts normal operating technology budget will be used to maintain current software subscriptions and to support current hardware.

The district will be looking to outside sources for the funding of the new technology initiatives. Listed below are three major sources of outside funding that the district has identified.

1. We have earmarked \$600,000 for technology from the sale of an unused school building and it's property.
2. The Madison High School Education Foundation has been very successful in raising a considerable amount of money for technology. They are now in the process of expanding to a K-12 model.
3. The district will also be using a portion of our stimulus money for technology in the 2010-2011 school year. Hardware and software will be purchased to support our general student population as well as the special needs students that have been mainstreamed into classrooms. These new technologies will also be used in our resource rooms.

This Technology plan will be on the agenda for approval at the April 27, 2010 Board of Education meeting. The above table includes the budget for the first year of this plan.

This plan was created on Aril 15, 2010

VII. Professional Development

- A. Assistant Superintendent Barbara Sargent is the person responsible for coordinating the professional development activities in the Madison School District.
- B. The Madison School District provides ongoing, sustained professional development for all staff to further the effective use of technology in all learning environments. Our district relies on two planning tools to help guide and inform our planning process: the district Curriculum Renewal Plan and the Local Professional Development Committee. The Local Professional Development Committee relies heavily on the planning of the school-based Professional Learning Communities. Each school makes use of a survey form to help them suggest training opportunities for their staff. The Local Professional Development Committee then reviews these forms for consistent, district-wide opportunities and incorporates these into after-school workshops, release-time sessions, or inservice training sessions.

Based on periodic surveys and focus group interviews, the Professional Development Advisory Committee continues to recognize that needs are varied among the schools, according to grade level. Based on the results, the following listing of professional development needs has been developed.

- ❖ Technology
- ❖ Working with instructional/special education aides
- ❖ Differentiated instruction
- ❖ Writer's workshop
- ❖ Guided reading
- ❖ Accommodating students with special needs
- ❖ Responsive Classroom
- ❖ Social and emotional learning needs of children
- ❖ CPR training
- ❖ Wellness classes
- ❖ Math problem solving activities
- ❖ Hands-on science instruction
- ❖ Assorted Book Studies

Technology Comments

K-12 Themes

- Need more "differentiated" training, particularly one-to-one support and assistance in making use of what you learn in workshop sessions.
- Standardize installation of computers, LCD, and Smartboards in all rooms/all departments
- Put a permanent Smartboard trainer on staff, or bring some in to utilize as we do with the Teachers College Writing Project
- Broader access/availability-more computers, labs, laptops for staff, wireless connections, home access
- Faster computers and internet connections/keep upgrading

Secondary School needs:

- | | |
|---|---|
| <ul style="list-style-type: none">▪ Faster and upgraded hardware and internet▪ More training▪ More tech helpers▪ Students need e-mail accounts/USB/or other ways to communicate work | <ul style="list-style-type: none">▪ Reduce filtering▪ Standardize distribution of tech in all classrooms/programs▪ Staff laptops and wireless needed▪ STI home access▪ More Smartboard training▪ More labs |
|---|---|

Elementary Comments

- Need more training,
- More Smartboard training
- More classroom computers
- More tech helpers

1. The Madison School District also provides ongoing, sustained professional development for all administrators to further the effective use of technology in the classroom. Administrators are encouraged to attend the same sessions provided for educators, and many of them do this. Additionally, the district invited a specialist in the area of instructional technology to work with our administrative team during a special training session on Blogging and Wikipedia.
2. Support in technology is offered to educators in a variety of ways. In addition to specific professional development opportunities, the district has also instituted a “Technology Ranger” program which identifies staff members skilled in a variety of technology applications and “deputizes” them to serve as troubleshooters and helpers to colleagues within their area of expertise. We also make use of teacher trainers during after-school workshops so that the district builds its collective knowledge about good instructional practice and technology integration.
3. The technical staff is often the front line trainers for new programs that enter the district. The technical staff were initially trained on a number of our software programs so that we could effectively train large groups of staff on programs like Kidspiration, SOLO, and Schoolwires.
4. The district integrates assistive technology devices into the network to accommodate student needs. The district provides the SOLO suite of software (including *Write Out Loud*, *Read Out Loud*, *Co-Writer*, *Draft Builder*)-in all buildings. The district also provides *Kurzweil* at Madison Junior School and Madison High School. The elementary school resource rooms have the following programs: *Boardmaker*, *CLOZE Pro*, *CLOZE PRO*, *Clicker 5*, *Picture-It*. Finally, all teachers have access to *Inspiration*, *Kidspiration*, and *Fast Math*. Teachers have been trained on these tools during inservice and after-school workshop sessions.

C. Given our current budget situation, it is likely that professional development opportunities will be severely limited for the 2010-11 school year. We will continue to follow our curriculum renewal plan (see below), but will need to be extremely prudent in the amount of time and money we spend on training.

CURRICULUM RENEWAL PLAN

	2008-09	2009-10	2010-11	2011-12	2012-13
<i>Program Evaluation/ Curriculum Design</i>	Lang. Arts World Languages ESL	Media Center Career Ed.	Science	Social Studies V/P Arts	PE/Health Math Technology
<i>Initial Implementation/Revision</i>	Social Studies V/P Arts	Lang. Arts World Languages ESL	Media Center Career Ed.	Science	Social Studies V/P Arts
<i>Full Implementation</i>	PE/Health Math Technology	Social Studies V/P Arts	Lang. Arts World Languages ESL	Media Center Career Ed.	Science

- C. We will continue to offer Smartboard training for our staff and will look to finance additional hardware purchases through alternative resources, such as our district’s Education Foundation.

We will also continue the use of our Technology Rangers next year as these people have provided excellent coaching experiences for all our staff members.

- D. The district has restored funds for a teaching position to teach two classes and provide staff development to all k-12 educators. The position will be utilized to address staff development needs as outlined by the attached Technology Survey Narrative Comments Summary, and detailed staff proficiency spread sheet. **District will also continue to make use of the ETTC to address staff development needs identified by attached Technology Survey Narrative Comments Summary, and detailed staff proficiency spread sheet.** In addition \$47000.00 in ARRA/Stimulus money is to expended in the 2010-2011 for training pursuant to the attached Technology Survey Narrative Comments Summary, and detailed staff proficiency spread sheet. The district has also planned for 2-1/2 professional development days and three 2 hour delayed opening days that will be used for Staff development in the 2010-11, 2011-12, and 2012-13 school years.

VIII. EVALUATION PLAN

The district monitors each professional development opportunity through a series of feedback opportunities. At the beginning of the school year, staff members list out the training opportunities they believe will support them in their work during the school year. An evaluation form is then available to staff at the conclusion of each training session so that they can explain what they gained from the session and how they might share it with colleagues. Attached is one sample of what our district uses for evaluation of workshops.



MEMORANDUM

To: Workshop Participants

From: Barbara Sargent

Re: Workshop Feedback

We hope your participation in this session was both enjoyable and informative for you. To help us plan future workshops and provide feedback to the instructor on this topic, would you take a few minutes to complete this questionnaire and return it **to your building principal**? Thank you for your cooperation!

1. What did you find most beneficial about the sessions?

2. What would you suggest to improve the sessions?

3. Do you believe that these sessions could be followed up in some way? (If so, please explain how this could be done.)

NAME (optional): _____

Our district convenes a Local Professional Development Committee regularly to help plan professional development opportunities. This, along with our school-based Professional Learning Communities, helps to guide our program.

1. The district follows our Curriculum Renewal Plan to help guide our program decisions in each of the core content areas. This curriculum plan helps to inform our decisions about professional development, technology needs, hiring, and budget. Technology is integrated into these curriculum areas as they come up in the cycle. A recent example of this is that we moved to purchasing online texts as a replacement for our traditional textbooks in high school science classes. We provided teacher training for the Science department so that our staff would understand the various resources associated with this new program.

CURRICULUM RENEWAL PLAN

	2008-09	2009-10	2010-11	2011-12	2012-13
<i>Program Evaluation/ Curriculum Design</i>	Lang. Arts World Languages ESL	Media Center Career Ed.	Science	Social Studies V/P Arts	PE/Health Math Technology
<i>Initial Implementation/Revision</i>	Social Studies V/P Arts	Lang. Arts World Languages ESL	Media Center Career Ed.	Science	Social Studies V/P Arts
<i>Full Implementation</i>	PE/Health Math Technology	Social Studies V/P Arts	Lang. Arts World Languages ESL	Media Center Career Ed.	Science

2. and 3. Our technology and curriculum plan enables students to meet challenging state academic standards and helps them to develop life-long learning skills. We rely on a variety of evaluative data to guide and inform our decisions in these areas. We review standardized test data and in-district assessment results. Additionally, our school administrators make use of classroom walk-throughs to keep us informed about teacher use of technology, levels of student engagement with technology, and areas needing refinement and/or rethinking.

Technology Survey

Narrative Comments Summary

K-12 Themes

- Many “kudos” for progress and accomplishments thus far
- Need more “differentiated” training, particularly one-to-one support and assistance in making use of what you learn in workshop sessions.
- Standardize installation of computers, LCD, and Smartboards in all rooms/all departments
- Put a permanent Smartboard trainer on staff, or bring some in to utilize as we do with the Teachers College Writing Project
- Broader access/availability-more computers, labs, laptops for staff, wireless connections, home access
- Faster computers and internet connections/keep upgrading

HS Comments

Multiple response “needs”, in descending order

- Faster and upgraded hardware and internet
- STI home access
- Staff laptops and wireless needed
- More training, ETTC opportunities, time to learn, one-to-one coaching
- More tech helpers
- Standardize distribution of tech in all classrooms/programs
- Students need e-mail accounts/USB/or other ways to communicate work
- More Smartboard training
- Reduce filtering

MJS Comments

Multiple response “needs”, in descending order

- Standardize distribution of tech in all classrooms/programs
- Staff laptops and wireless needed
- STI home access
- Need more “differentiated” training, particularly one-to-one support, time to learn, and one-to-one coaching
- More Smartboard training
- Faster, upgraded hardware and connections
- More labs

Elementary Comments

Multiple response “needs”, in descending order

- Need more differentiated training, particularly leveled workshops, time to learn, and one-on-one coaching
- More Smartboard training
- More classroom computers
- More tech helpers
- “Finale” training for music teachers

I. Stakeholders

Provide the title, name and signature of each member of the technology planning committee. It is expected that there will be representation from at least nine of the positions indicated on the stakeholder sample table. Please provide an explanation if there is not a minimum of nine members on the technology planning committee.

Dr. Richard Noonan
Superintendent of Schools



Dr. Barbara Sargent,
Assistant Superintendent of Curriculum and Instruction



Greg Robertson,
Principal, Madison High School



John LaPierre,
Coordinator of Technology



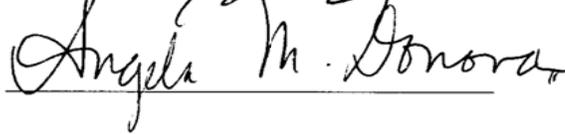
Jennifer Freeman
High School Science Teacher



Chris Kenny
Special Education



Angela Donovan
Library Media Specialist



Brett Levine,
High School Guidance Director



Patrick Rowe,
Board Member



Edward Von Der Linde
Parent



Rajan Phakey
Student

