



2012-2015 District Technology Plan

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ISD 194 Technology Vision Statement

Lakeville Area Public Schools provides a technology-rich environment for our students, staff, and community to be effective users of technology and information.

District Goals and Objectives

The Lakeville Area Public Schools, as outlined in the 2012-15 technology plan, wants to ensure that all students upon graduation will develop technology-rich skills that can be carried over into college, military, or professional workplace. Below are the following prioritized goals that will help accomplish this mission:

- Goal 1: Adequate Funding for Technology
 - To ensure that all students have the most up-to-date technology that will be used in all curricular areas and for the successful completion of online testing.
- Goal 2: Quality Wireless Infrastructure and Student Device Initiative
 - Build a quality wireless infrastructure across the district that will allow for the capacity of students to be able to bring in their own technology devices to be used for educational purposes.
- Goal 3: Staff Development in the area of Technology
 - Providing the staff with the adequate skills in the area of technology is crucial for the development of our student's achievement.
- Goal 4: Full-Time Technology Support Staff
 - With the changing and enhancements of our technology services, the need for additional district level technology support is needed.
- Goal 5: Improve the District's Redundant Infrastructure
 - To reduce the risks of loss of services, provide protection of mission critical data, and to restore IT functions in the event of a disaster.

Introduction

The ISD 194 2012-2015 technology plan addresses critical components for K-12 technology:

- Infrastructure
- Equipment for Curriculum and Testing
- Technology Support
- Staff Development
- Disaster Recovery
- Curriculum Integration

Executive Leadership

A 6-member elected School Board and their Superintendent of Schools lead the Lakeville Area Public Schools. They are responsible for the overall policy direction of the District. The Coordinator of Technology and Student Information is charged with the planning, implementation, maintenance, support, training, and use of all technologies in

the school district. The coordinator works primarily with the Technology Planning Committee and the District Task Force, along with the media specialists and school level technology coordinators to plan and implement technology in the district.

Organization

Independent School District 194 serves over 11, 000 students from portions of the cities of Burnsville, Elko-New Market, and Lakeville and the Townships of Credit River, and Eureka. There are eight elementary schools (K-5), three middle schools (6-8), two high schools (9-12), and an Area Learning center for alternative secondary level programs the district owns its central administration building and leases spaces in Lakeville for Community Education and both the Early Childhood Family and Special Education programs.

Partnerships and Collaborations

District 194 schools engage in active meaningful partnerships with area business, civic groups, and local units of government. These partnerships encourage rigorous relevant learning for students, and they connect our community with our classrooms.

Partnerships take a variety of forms including classroom partnerships, senior studies, job shadows, mentoring and internships. The district is a founding member of the TIES consortium, now over 45 years in existence. This cooperative of over 50 school districts draws together technology and education in an effort to produce comprehensive solutions for educators, students, and school administrators. TIES works to ensure that all members can achieve their mutual educational and operational goals by promoting collaborative relations among districts; providing critical technology services and products, which maximize student learning and effective management; and the organization manages focused research and development to respond to the evolving needs of its members. Through a series of joint powers agreements, the district has interconnected its fiber network with Dakota and Scott Counties and all municipalities in Dakota County. This provides redundant Internet connectivity for the district and aids all entities in accessing connected services at high bandwidth.

Technology Planning Committee

To create a plan and recommend means for its implementation is the work of the Technology Planning Committee. It is composed of representatives of various groups and members within the school district. This committee will meet on a regular basis to discuss district-wide technology plans and continue to update the 2012-15 technology plan as needed.

-Chair – Coordinator of Technology & Student Information

-Administrator – Building Principal

-Teaching & Learning – Assessment and Accountability Representative

-Communication's Dept – Communication Specialist

-DSCIT Support – Network Administrator

-SIS Support – Student Information Specialist

- Special Education** – Special Education Teacher
- 9-12 Representative** – 9-12 Media Specialist
- 5-8 Representative** – 5-8 Technology Leader
- K-4 Representative** – K-5 Media Specialist
- Community Representative** – Community Member

District Task Force (Current Technology Inventory – Appendix F)

The district task force is a group of district representatives that meet on a quarterly basis to discuss and lead on the placement and repurposing of core technology equipment. This group of representatives includes all building technology leaders and members of the administrative team. With the combined efforts and feedback we are able to evaluate and determine the needs of all district building locations and programs. *This group has also determined the procedure of donated money and/or equipment and how it will be used within our district organization.

*Computers purchased by a school with money donated by an outside group, with money from a grant, with money from building capital or operational funds, or from any source other than the district’s line-item replacement budget not be used to replace the computers specified by the task force plan as “core” computers for the building or level. Computers from these other funds would instead be supplemental for special purposes, additional for projects, able to create an added lab or team area, and so on. After their warranty periods, district maintenance funds would support the repair of the equipment but they would not be part of the replacement cycle funded by the technology line-item budget at the district level. The “core” computers are those specified as needed to teach the district’s curriculum and support on-line testing as outlined in the plan report.

Current Technology Support Staff and Skills (Organizational Flow Chart – Appendix E)

- Coordinator of Technology and Information Services
 - General administration of all technology
 - Manage the technical support and student information functions for the district
 - Administer TIES software training
 - Manage TIES security system
 - Provide software application training
 - Support web-based payroll system
 - Maintain GIS system and school boundaries
 - Prepare enrollment projections
 - And More
- Network Administrator
 - LAN administration and maintenance, including all file servers and wireless infrastructure
 - WAN administration and maintenance, fiber and T1 networks
 - Backup of file servers

- Fiber plant administration and maintenance
 - Support of media center catalog & circulation software
- Lead Mac Technician/Help Desk Manager
 - Manage the deployment of Macintosh computers in the district including initial
 - Setup, support, and maintenance
 - Serve as backup to the Network Administrator
- Lead PC Technician
 - Manage the deployment of Windows OS computers in the district including
 - Initial setup, support, and maintenance
 - Manage all network printing in the district
- Special Education Technician
 - Manage all SpEd computers
 - Support the SpEd teachers in their uses of assistive technology and the SpEd features in the student information system
 - Manage the district's e-mail system
- Computer Technician
 - Perform initial triage on computer repair issues
 - Order all materials for technology in the district
 - Repair Macintosh computers
- Student Information Specialist
 - Database programmer for the student information system
 - Primary student information system trainer
 - Provides data for district administration
 - Transfer data between district information systems (HR, Pay, Finance, Food Service, Media, Textbook Management, District Website, Mass Communication System, etc.)
 - Operate and support the district GIS system
 - Coordinate data submissions for SERVS
 - Building Technology support for the District Office
- Secretary to the Coordinator
 - MARSS contact for the district
 - Telephone system administration and support
 - Student information help desk support
 - Part time district receptionist
- Student Information Support Services Clerks (2)
 - Student Information
 - Management of student and parent portal accounts

- Primary student information help desk support
- District receptionist

Projected Technology Support Staff and Skill Needs

- Network Support
 - LAN maintenance
 - WAN maintenance
 - Wireless infrastructure maintenance
 - Backup of file servers
 - Fiber plant maintenance
 - Support of media center catalog & circulation software
- Mobile Device Support
 - Support growing demand for mobile device services
- Information Services Integration Management
 - Support integration of district information systems for compliance with growing MDE cross-departmental data demands (SERVS)

Technology Support Staff Needs Assessment:

With the goals established in this plan and the increase in services that we are providing to the students, community, and staff there is a demand for more and more support services. The goals established in this document refer to the increase in wireless access to all buildings and schools, as well as the opportunity to allow personally owned devices onto our network. In order to fully implement and support these goals there is a need for an additional network support specialist, some of the duties that would be assigned to this additional support staff would be as followed:

- Maintain & Support District Wireless Services
- Support & Implement the use of Cloud Based Services
- Assist with Support of Active Directory Services
- Support & Implement the use of Portable Devices

DSCIT Disaster Recovery Plan (Appendix A)

Lakeville Area Public Schools (ISD 194) is a K-12 Minnesota public school systems. Over time, Information Technology (IT) services have become critical to performing the educational mission of the school system. As a result of this ever increasing reliance of technology, IT services require a comprehensive Disaster Recovery Plan to ensure these services can be re-established quickly and completely in the event of a disaster. This plan summarizes the results of a comprehensive risk analysis conducted for all IT services, it provides general steps that will be taken in the event of a disaster to restore

IT functions; and it provides recommendations for “hardening” of the IT infrastructure that require executive level management approval and additional funding to implement. The Disaster Recovery Plan presented in this document is in its first draft stage. The Disaster Recovery group will meet on a regular basis to modify and enhance the document if needed.

Disaster Recovery Plan Needs Assessment:

The needs assessment, as written in the Disaster Recovery Plan, addresses the need of a secondary data closet location. This location needs to be equipped with additional data lockers, as well as data and electrical wiring. The estimated cost to accommodate this room would be:

- APC Data Racks = \$15,981
- Data and Electrical Wiring - \$20,000

In addition to the needs of the internal infrastructure, there is a need for a redundant fiber loop to help with the district’s wide area network. The need for this fiber redundancy is to by-pass our current data closet location at the Lakeville North High School as well as to maintain connectivity throughout the district if any type of disaster were to happen. This redundant fiber need will be examined and researched to find out what the best option and location for redundancy may be. These options may include:

- Services from a local vendor
- Agreement with city and/or county
- District owned fiber

Building Technology Leaders

- Each school or building has a staff member charged with technology leadership, support and integration
 - Media Specialists fill this role at the elementary schools
 - Middle schools have technology coordinators who are licensed teachers that teach half-days and lead technology efforts the other half
 - One high school has a non-licensed individual providing technology support and filling the technology coordinator function
 - The other high school has its media specialist provide technology coordination half-time and a classroom teacher providing technology integration half-time

JOB DESCRIPTION

POSITION TITLE: Media Specialist

PROFESSIONAL QUALIFICATIONS: Minnesota Media Generalist License

SUPERVISED BY: Principal

PERFORMANCE RESPONSIBILITIES:

1. Coordinates the use of the media center by students, staff and parents.
2. Provides educational experiences for students in kindergarten through grade six. Inform students of new materials.
3. Processes and maintains the library collection including a wide variety of appropriate and interesting learning materials in both print media and technology.
4. Maintains all technology systems throughout the building and in the computer lab. Assumes responsibility for all hardware and software.
5. Assists students and staff in the use of audiovisual equipment and technology.
6. Helps students to develop skills in the use of resource and reference materials in both print media and technology.
7. Prepares and maintains the media center budget.
8. Coordinates and monitors the work of the media clerk.
9. Evaluates, selects, and orders all media center materials.
10. Works with staff to provide materials to supplement the educational program. Informs staff of new materials. Provides in-service for staff in both print media and technology.
11. Organizes and carries out a plan for yearly staff in-services in all areas of technology that are present in the building.
12. Performs other duties as assigned by the principal.

Budgeting

- Planning, pricing and research on all tech and AV purchases
- Ordering
- Research collection needs (print, video/DVD, and online resource needs)
- Planning and maintaining General supply and Capital budgets each year
- Oversee and budget for the repair and replacement of AV and computer equipment and accessories
- Recommend repair/replacement and new orders for textbooks throughout each year
- Manage student production account and oversee student group and project/equipment purchases

Collection and Library Management

- Displays
- Managing circulation (including lost and damaged books)
- Weeding the print collection
- Print inventory
- Library management software training
- Researching latest trends for Library collections
- Manage textbook software and oversee District coordination of fines/fees and related student management

Computer Management

- Building TV announcements
- Responsible for technical manuals
- Computer troubleshooting, maintenance and repair
- Loading software
- Computer reimaging
- Distribution, inventory and maintenance of all equipment
- Computer inventory
- Printer management
- Website maintenance and training
- Circulation software support
- Textbook software management
- Manage student and staff SAN accounts
- Manage Type to Learn software

Staff Support/ Staff Development

- Building equipment setup for assemblies and classroom instruction
- Staff in-services on all technologically based initiatives
- Individualized staff instruction on all technologies
- Technology integration planning with classroom teachers
- Resource management and research to assist classroom teachers
- Keep up with new trends to support existing technologies
- Provide in-services for new applications
- Be a resource for staff as needed for new technologies and issues in the classroom
- Schedule and manage the checkout and check in process for textbooks

Portable Interactive technologies currently in use:

Laptop carts

Digital cameras

MiniDV camcorders

MiniDV studio camcorders

Mobile camcorder carts

USB storage devices

External hard drives

Document cameras

GPS

Clickers

Mimio

Science

Weather stations

Web cams

Lab Pro interface

Go Link interface

LCD projectors

LED projectors

What staff would like in the future:

1. Wireless improvements School access/ student access (Paid?), day guest access, evening public access
2. Integrated Mounted LCD projectors w/audio & video control and classroom sound fields to eventually replace Classroom TVs
3. More electronic tools for students such as laptops, iPads or equivalent, possibly one for every student w/ a deposit or leasing program?
4. Cloud computing
5. Print monitoring software
6. Other interactive devices such as doc cameras, and whiteboards

Student Support and Instruction

Elementary/Middle:

- I Love to Read month
- Book Fairs
- Assessments and Grading

All levels

- Teaching Media lessons
- Planning for lessons
- Manage Circulation of student server accounts
- Researching new applications for educational use

HS

- Manage Student/Parent Edline accounts
- Support Broadcast class management of video equipment
- Research instruction and responsible web searching

Testing

- Overseeing testing preparation
- Prepare for testing
- Troubleshooting during testing
- Generating report from testing software
- Overseeing and managing Plato Math software and reporting

Video

Elementary

- Video School announcements

All Levels

- Videotaping special events and concerts
- Duplication, transferring, and editing video
- Camera setup
- Camera and related equipment inventory/replacement
- Managing school TV system and related equipment
- Audio/Video setup for weekend tournaments and events
- Oversee events to be scheduled for taping for Channel 22

- Responsible for all building technologies and their proper function and upkeep
- Oversee scheduling and supervision of student production crews
- Technology training and in-services

Training now

Technology training now is up to each building to squeeze in time for training during limited in-service days. Training is conducted by a few who have had previous training and they in turn transfer the information down to the rest of the staff (train the trainers). This system works fine and ensures there are experts in each building, but there is limited time officially allocated.

Staff Goals

The HS staff is fine with how in-services have been handled within the buildings, but they would like to see the District put more emphasis on Technology in-services and set specific times for training at the start of each year. The District also needs to set minimum requirements for all staff that will push them beyond the basics of their technology skill level. At this point, each building sets their own priorities for in-services and the topics they cover, as a result each building has a much different use and prioritization of how technology is used and produced. The staff visited felt if there were greater expectation from the District, we would be forced to use technologies to their fullest potential.

Infrastructure

In the infrastructure area, the district will continue to support and expand the use of its fiber optic network between schools. It works with Dakota County and other public entities to interconnect the entire county's public buildings by fiber. Connection to Scott County fiber has also occurred and the district has redundant access to its Internet service provider. It has implemented a voice over Internet protocol telephone system in all its owned buildings. It centralized servers and storage for all staff and students along with a messaging and collaboration system for staff that is cross-platform and serves multiple functions for all users.

In addition to our fiber infrastructure, the district is looking at expanding its wireless network to all of its buildings. With the use of portable devices by students, community, and staff members there is an increasing demand to have quality wireless access to the local and wide area networks. To offer this type of service to our users the district will need to expand and increase its current wireless network further into the building academic areas. Based on the need to cover these academic areas the district will need to purchase additional wireless technology.

Estimated number of Wireless Access Points for District Buildings

- Lakeville South High School - 70
- Lakeville North High School – 70
- Century Middle School – 40

- McGuire Middle School – 40
- Kenwood Trail Middle School – 40
- Elementary Schools – 80 (10/School to cover partial academic & commons areas)

Estimated Cost to Accommodate Access in Building Academic Areas

- 2012-13 - \$109,000
 - Access Points
 - Data Wiring
- 2013-14 - \$107,000
 - Access Points
 - Data Wiring
- 2014-15 - \$84,000
 - Access Points
 - Data Wiring

Software

The district will continue its implementation of a standardized suite of software for all computers. It will continue to use single systems district wide for student information, finance, human resources, and payroll. It will work within the vendor structures for those products to lead others in developing ever more capable systems that meet end-user needs. It will continue its leadership in the use of geographic information systems for district data analysis and presentation.

Software Needs Assessment

In addition to current productivity and curricular base software the district will be looking at integrating cloud-based productivity and communication software to its students and staff. The use of cloud-based software allows for cost effective replacement as well as remote access to files and communication. It also allows for cross platform environments that work on many common workstations and portable devices.

Estimated Cost for Archiving of Cloud-Based Software:

- 2012-13 - \$6750
- 2013-14 - \$6750
- 2014-15 - \$6750

Staff Development

The district will continue its membership with TIES Teaching and Learning for staff development. It will also continue to provide in-district learning opportunities for staff focused on how to best integrate technology learning into content learning areas.

Curriculum: Testing and Assessment

Lakeville Area Public Schools' comprehensive assessment program includes the administration of computer-based/online State and District tests. The purpose of these assessments is to comply with No Child Left Behind accountability testing as well as to provide formative data for the purpose of informing instruction. The implications for the schools are a loss of both instructional and computer lab time due to the demands of testing. Further, district and building technology staff are called upon to manage the test preparations and troubleshoot issues as they arise. Descriptions of each computer-based assessment follow:

State Testing:

Grades 3-8 MCA-III Mathematics Test

Online administration, approximately 2 hours per student

April – May test window

Grades 11-12 GRAD Reading and Mathematics Retests

Online administration, approximately 1 hour per student

October, December, February, May: 1 week test windows

Grades 5, 8, HS MCA-II Science Test

Online administration, approximately 1 hour per student

April – May test window

District Testing:

Grades 2-8 NWEA Measures of Academic Progress Math and Reading Test

Computer administration, approximately 1 hour per student per test

September and February administrations

School Level Intervention Assessments:

High School PLATO and Read180

Select students enrolled in intervention courses

Computer administration, time varies

Yearlong, in-class administrations

Data Warehouse:

TIES iCue Data Management System

State and District assessment results are stored in both Infinite Campus and the TIES iCue Data System

Data uploaded from SIS to iCue nightly

Secure online access for teachers and administrators as needed

Curriculum: Online/Distance Learning

Lakeville Area Public Schools currently offers two delivery systems for our students: the traditional system and programming at the Area Learning Center. In order to provide additional opportunities to meet the needs of individual learners and to retain students who are attending online courses outside of the district, ISD194 is investigating online

and blended course options for students in grades 9-12. This investigation includes: researching local and national online learning programs, identifying best practices, detailing policy, finance and technology requirements.

Additional goals for this year include: participating in a work session with the Board of Education, creating a committee representative of our stakeholders, and developing a 9-12 online learning program plan for Board of Education consideration.

Electronic Communication Interface & Parental Involvement

The goal of electronic communication in ISD 194 is to continually improve communication by identifying emerging trends in electronic communication and implementing them as appropriate.

Email Listserv – Parents and community members can register to receive email communication from schools and the district regarding upcoming events, announcements and news. The listerv is hosted on an internal server and distributed using the FirstClass Client email system.

Edline – An external content management system hosting all district, school, and class websites. Edline allows multiple users to create and modify a website without developing it using programming code. The following explains how the district uses Edline:

- ***District Website*** – A public website dedicated to providing information about ISD 194’s departments, finances, Board of Education, policies, upcoming events, and relevant news impacting the schools and community.
- ***School Websites*** – Public Websites dedicated to providing school specific information including contact information, staff, location, upcoming events, and school news/announcements.
- ***Class Websites*** – Public and internal Websites for teachers to upload class assignments, documents and resources to assist student learning and allow parents a glimpse of the classroom. Teachers can create tests/quizzes, surveys, blogs, discussions, homework hand-ins, online assignments (interactive assignments) and grading with feedback when class pages or documents are password protected.
- ***Intranet*** – An internal one-stop website used to communicate important information, forms, updates and news to district employees.

Emergency Contact System (SchoolConnects) – District-wide automated calling system to contact parents/staff for important announcements, events, and emergencies.

SchoolConnects is a product supported by Synervoice Technologies, Inc. and pulls contact information from the student information system, Infinite Campus.

PEGCentral – An online video hosting server for videos for board meetings and school events/activities. Leightronix is the service provider.

Cable Channel 22 – The district’s cable channel airs school-related programming and announcements 24 hours a day for seven days a week. Announcements are broadcast from a Castnet server stored in-house using an independent business Internet connection. Programming is generated at each school and includes sports, concerts, and Board of Education meetings among others. Channel 22 programming is run from a Leightronix server called an UltraNexus and sends the signal through Charter Communications Cable to the community. Programming is scheduled and produced by the district video coordinator, school staff, and student production crews. Lakeville schools cable access is provided by Charter Communications and is negotiated for the District by the City of Lakeville as a part of the Cable Franchise Agreement, this agreement will remain effective until 2013. (Future agreements are currently being negotiated)

Facebook – The ISD 194 Facebook pages are social media tools used to communicate with the Lakeville Area community about newsworthy events, topics, and meetings to encourage conversations, questions, and community. The district will expand its use of Facebook and social media in the district as necessary.

OnBoard – An electronic Board of Education Packet posted online with all Board of Education meetings and documentation. It is an external service hosted by Apple Professional Services.

Evaluation of Electronic Communication Interface

The district will evaluate the electronic communication interface by using the tools themselves to survey students, staff, and the community on the effectiveness of distributing information through the different electronic channels. In addition, the district will monitor the number of users/viewers/subscribers to determine the reach of the tools if reporting capabilities are available.

Assistive Technology

Assistive technology (AT) device means any item, piece of equipment, or product system, whether acquired commercially off the shelf, modified, or customized, that is used to increase, maintain, or improve the functional capabilities of a child with a disability (Authority: 20 U.S.C. 1401(1)). Individual Education Plan (IEP) teams in each building throughout the district are the primary staff that initiates the AT process for a student and consider AT during every IEP meeting. The district AT team is available to all IEP teams, as a resource for referrals for in-depth evaluations or consideration and for equipment needs for a student. The district currently has an AT library comprised of

over 600 pieces of assistive technology for students to trial for finding what best meets their needs in order to make adequate progress on their IEPs. The district also has access to PACER Center's Simon Technology Center and other various statewide AT lending libraries and resources to locate technology to meet the IEP needs of students with disabilities.

Equitable Access for Students with Exceptional Needs (schools)

Various curricular materials throughout the district are provided in online and digital formats. Many textbooks throughout the district, however, depending on the age of the textbooks, are available to students and teachers online and/or on a CD, in addition to or instead of the print copy. This allows students to access it at home and in a format that meets their needs better than the print copy. All students are provided access to these resources, including students with unique needs and disabilities. Many of our Media Centers throughout the district have books on tape, CD, or MP3 for all students to check out instead of the print versions. Students with disabilities also have access to various programs like Reading For the Blind and Dyslexic to access digital formats. Students on IEPs that require specific digital formats to access materials typically go through the assistive technology process to help with locating and trialing those formats to meet their needs.

Policies and Procedures

Acceptable Use Policy (Appendix B)
Student Information Procedures Guide (Appendix C)
Website Authoring and Guidelines (Appendix D)

Budget Development and Funding

Technology funding for ISD 194 has traditionally come from the successful passing of bond referenda. A small amount of district capital outlay supports maintenance and support agreements for hardware and software. Additional capital dollars support the TIES annual fees, the repair of district computers, and the salaries of several of the technical staff members. Individual schools receive capital funds but they are limited in nature and do not allow most buildings to remain as current as they would like to be with their technology systems.

Current Technology Budget

- Staffing – \$560,069
 - Coordinator of Technology & Student Information
 - Student Information Specialist
 - Student Information Support Services Clerks (2)
 - Coordinator of Technology Assistant
 - Network Administrator

- Lead Mac Technician
- Lead PC Technician
- SPED Support Specialist
- Repair Specialist

-Services and Supplies

- Consulting Services - \$17,000
- Data and Telephone Repair Service - \$64,000
- Travel and Development - \$7200
- General Supplies - \$7000
- Tech Chargeback - \$20,000

-Repairs and Maintenance

- Annual TIES Fees - \$286,000
 - TIES Finance System
 - iCue Data Management System
 - On-Site Training Development for Staff
 - District Internet Bandwidth
- Infinite Campus - \$86,500
- Software Licensing - \$52,000
- AV Repairs - \$10,000
- Technology Hardware Repair - \$60,000

E-rate Reimbursement

With the approval of this technology plan and Compliance with the Children’s Internet Protection Act, ISD 194 on a yearly basis applies for federal E-rate Funding. This funding is based on the districts free & reduced status that allows us to obtain affordable telecommunications and Internet access.

-Application Approximate Amount = \$95,188

-Approximate Amount Reimbursed to the District = \$38,705

Technology Budget Needs Assessment

It is with hopes that the Coordinator of Technology will be able to work successfully with the School Board to adopt a line item budget for technology. Having a line item for technology would allow the district to be able to better plan and update core equipment based on a 6 year rotation cycle that is needed by students and staff for curricular and state testing needs.

2012-13 Core Equipment Replacement Needs

- \$1,026,950 (Approximately 1081 Machines)
 - Student and Staff Workstations
 - Includes Building Lab Replacement
 - Portable Carts for Curricular Use

2013-14 Core Equipment Replacement Needs

- \$573,800 (Approximately 604 Machines)

2014-15 Core Equipment Replacement Needs

- \$334,400 (Approximately 352 Machines)

In addition to the needs of “core” equipment replacement, the district must also consider the need for funding infrastructure equipment. Without the appropriate updated equipment used to operate the network, provide storage, security, and communications the operation and efficiency of our “core” equipment would be inadequate.

2012-13 Infrastructure Replacement Needs

- \$450,000 (Core Network & Filter Replacement)

2013-14 Infrastructure Replacement Needs

- \$275,000 (Core Network & Server Storage Replacement)

2014-15 Infrastructure Replacement Needs

- \$425,000 (Core Network & Server Replacement)

Implementation Plan

Each school has at least one newer, up-to-date lab capable of being used for on-line testing and the teaching of the district’s curricula. Technology leaders in the buildings are responsible for working with teachers in their schools to integrate the learning of technology skills by students into the content areas.

Evaluation and Analysis

Principals are expected to monitor the use of technology for learning in their schools and bring the information to bear on employee observation and evaluation frameworks. Building technology leaders meet periodically with the coordinator to look at needs for technology across the district. DSC-IT software allows information to be gathered remotely which indicates what applications are being used by the various computers and for what lengths of time, giving the schools data on their deployment of the curriculum. We also look to evaluate the online survey that was conducted with this technology plan to continue to improve based on the needs of staff feedback. Towards the end of this plan we will be looking again at surveying our staff and determining by the survey results on what the staff felt were improvements made by the district and what we will have to continue to improve on.