

Technology Plan:
Scott County Schools
Georgetown, Kentucky



www.scott.kyschools.us

Prepared Date: December 1, 2007

Plan Start Date: July 1, 2008

Plan Expiration Date: September 30, 2009

Approved Date: Pending Commonwealth Approval

Acknowledgments

Technology planning is an important and continuous process in the Scott County Schools. We strive for excellence of teaching and learning with technology by all stakeholders and supported by a strong infrastructure. This document is a compilation of needs and goals representative of the CDIP and CSIP of each school created by teams identified below.

District Technology Staff

Jeanne Biddle, Director of Technology
Artie Janow, Technology Integration Specialist
Don Beaven, Director of Networks
Sheila Setser, System Engineer

Central Office District Contributors

Ken Wright, Director of Curriculum
Mike Luscher, Director of Facilities

District Curriculum Resource Teachers

Kim Bridges, CRT – Georgetown Middle
Mary Jo Johnson, CRT – Scott County Middle
Billie Travis, CRT – Royal Spring Middle
Ginny Barnes, CRT – Garth Elementary

School Technology Coordinators

Ann Tallant, Garth Elementary
Tara Krebs, Northern Elementary
Kari Setser, Southern Elementary
Carrie Garrett, Western Elementary
Brenda Harrison, Anne Mason Elementary
Ben Smits, Eastern Elementary
Marijean Long, Georgetown Middle
Vince Dougoud, Scott County Middle
Jesse Smith, 9th Grade
Julie Holzhaus, Scott County High

School Library Media Specialists

Parthenia Wells, Garth Elementary
Tara Krebs, Northern Elementary
Connie Cobb, Southern Elementary
Beth Thompson, Anne Mason Elementary
Carrie Garrett, Western Elementary
Kathleen Jennings, Scott County Middle
Becky Chappel, 9th Grade
Terri Bentley, Stamping Ground Elementary
Margaret Omlor, Scott County High

School Technology Committees

Anne Mason Elementary

Kelly Inabinet, Teacher

Laura Stone, Teacher

Amanda Hombirg, Teacher

Brenda Harrison, Teacher

Leslie Williams, Director of ESS and Extended Day Kindergarten

Cindy O'Neal, Teacher

Beth Thompson, LMS

Kari Setser, STC

Garth Elementary:

Rusty Andes, Principal

Lisa Hanson, Teacher

Barbara Rexroat, Teacher

Nancy Thomason, Teacher

Mary Frances Watts, Teacher

Parthenia Wells, LMS

Ann Tallant, STC

Southern Elementary:

Bryan Blankenship, Principal

Ruthie Gray, Teacher

Donna Underwood, Office Staff

Peggy Cullen, Teacher

Darlene Williams, Aide

Janet Thomas, Cafeteria Manager

Carol Tencza, Teacher

Cindy Long, Teacher

Linda Greenwell, Aide

Michael Coston, STC Assistant/Aide

Connie Cobb, LMS

Elaine Devers, STC

Steve Hail, Parent

Western Elementary

Eastern Elementary

Ed Denney, Principal

Dana Boggs, Teacher

Alyssa Curry, Teacher

Ben Smits, STC

Northern Elementary:

Melissa Chandler, Teacher

Jane Stritesky, Teacher

Leslie Perkins, Teacher

Stephanie Justus, Teacher

Joy Hortman, Teacher

Julie Vest, Teacher

Theresa Pierce, Teacher

Tara Krebs, LMS/STC

Stamping Ground Elementary

Brenda Arrowood, Teacher

Shari Coleman, Extended Day Kindergarten Teacher/FRC Liaison

Betsy Fredricks, Teacher

Sarah Johnson, Teacher

Dianne Lloyd, Counselor

Lorri Stepp, Teacher

Lynda Tackett, Aide

Steve Helton, Teacher

Wendy Holbrook, Teacher

Georgetown Middle

Gayla Thompson, Teacher

Michael Farr, Teacher

Pam Farr, Teacher

Marijean Long, Teacher

Rae Partin, Assistant Principal

Ninth Grade

Kelly Stout, Teacher
Amy Baker, Teacher
Cheri Gregg, Aide
Kathy Placier, Aide
Penny Harris, Teacher
Nicole McCoy, Teacher
Dorothy Dale, Teacher
Corbie Bennett, Teacher
Debbie Robins, Aide
Carrie Garrett, LMS/STC
Mona Evans, Parent

Scott County Middle

Jennifer Sutton, Principal
Mary Jo Johnson, CRT
Vince Dougoud, STC
Kathleen Jennings, LMS

Parents

Steve Hail, Parent, Southern Elementary
Mona Evans, Parent, Western Elementary
Karen Nash, Parent, Scott County High

Acceptable Use Policy and Media Committee

Jeanne Biddle, DTC
Elaine Devers, STC – Southern Elementary
Vince Dougoud, STC – Scott County Middle
Julie Holzhaus, STC – Scott County High
Tara Krebs, LMS – Northern Elementary
Shari Levy – Parent – Garth Elementary
Carol Ann Morrison – Central Office Staff
Margaret Omlor, Librarian – Scott County High
Jesse Smith, Teacher/STC – 9th Grade
Artie Janow, District TIS

Kathy Owens, Teacher
Thomas Reed, Teacher
Jesse Smith, Teacher/STC
Becky Chappel, LMS

Scott County High

Laurette Summers, Teacher
Rob McCormick, Teacher
Julie Holzhaus, STC
Justin Green, Student
Karen Nash, Parent

Table of Contents

Acknowledgments	i
Table of Contents.....	iv
Executive Summary	5
Planning Process / Methodology	7
Technology Vision and Goals.....	8
Staff Training/ Professional Development Goals.....	15
Current Technology and Resources.....	17
Evaluation.....	19
Budget	20

Executive Summary

The Scott County Technology Plan focuses on goals, vision, needs, priorities, and solutions for excellence in infrastructure, integration, and implementation of technology for all staff and students. The goals and activities support the vision, mission, and principles of Scott County Schools:

Vision:

All Scott County students achieve their highest academic success and personal growth by learning core content through engaging work in a secure and inviting environment.

Beliefs:

- The district takes the responsibility for providing engaging and meaningful learning opportunities.
- Student learning is the focus when making decisions.
- Achievement improves when students are engaged in their work and choose to share in the responsibility for learning.
- Schools supported by the community, are safe and inviting places enabling students to learn at higher levels.

Principles:

Long Term Philosophy:

1. Base all decisions, both administrative and instructional, on the district's stated vision, beliefs, and policies.

Process and Results:

2. Develop a community of learners at all levels who are, self-motivated, responsible, and accountable for their own level of achievement.
3. Encourage the habits of critical thinking that students can adapt as they encounter a changing world.
4. Sustain a culture of excellence through high expectations that promotes life-long learning.
5. Insist that all partners enhance student engagement, learning successes, and individual development.
6. Implement and maintain a district curriculum map that applies to all school grade levels and subjects, as well as, the use of technology.
7. Focus on each student's progress via analysis and reflection on personal performance

Developing People and Partners:

8. Build a strong network of partners who are united by a common goal; the success of others.
9. Cultivate membership in a professional learning community characterized by a practical culture of critical thinking, problem solving, and shared decision making that includes students, teachers, staff, parents, and community and beyond.
10. Recruit and develop quality employees who demonstrate active commitment to the district's vision, beliefs, and principles.
11. Maintain a learning environment and culture that continually nurtures leaders at all levels.

Solving Root Problems:

12. Recognize and verify problems, whether relating to people, processes, programs, places, or policies, as continuous improvement opportunities.
13. Engage teams in systematic problem solving and countermeasure development through the district.

14. Demonstrate the district's commitment as a learning organization to reflection, assessment, consensus, and continuous improvement, in keeping with the vision.

Scott County Schools believes that technology has the potential to transform education through learning at higher levels, individualizing instruction, and providing opportunities for continuous professional development by all staff.

We know that technology supports real-world learning, connects learners to experts and global communities, provides tools and resources to enhance learning, and enables students to utilize and analyze data for critical thinking and problem-solving skills necessary for preparation and acquisition of jobs in a changing world.

Most importantly, we must continually expand opportunities for teachers to become a part of the digital world of learning and teaching in online communities, to utilize data from assessment to accurately guide improvement of instruction, and to foster collaboration between technology and instructional leaders at every level. In addition, technology is a necessary tool of administrative and support personnel for data collection and analysis at building, district, and state levels.

District and school Comprehensive Improvement Plans can be found online at <http://www.scott.kyschools.us>.

As we prepare for the future of learning with intelligent classroom components, online assessment, ILPs, additional workstations, greater bandwidth, new and improved enterprise systems, in addition to the push towards a 1:1 computing environment with students and teachers utilizing their own computers on school networks, our needs and priorities will be expected to change and will be reflected in the technology plan.

Planning Process / Methodology

This technology plan represents district and school technology vision, priority, needs, and solutions. Each school is required to complete a technology plan that follows the five criteria as outlined below and submit it for review by the district technology coordinator:

1. The plan must establish clear goals and a realistic strategy for using telecommunications and information technology to improve education.
2. The plan must have a professional development strategy to ensure that staff knows how to use these new technologies to improve education.
3. The plan must include an assessment of the telecommunication services, hardware, software, and other services that will be needed to improve education.
4. The plan must provide for a sufficient budget to acquire and maintain the hardware, software, professional development, and other services that will be needed to implement the strategy.
5. The plan must include an evaluation process that enables the schools and school district to monitor progress toward the specified goals and make mid-course corrections in response to new developments and opportunities as they arise.

School technology plans are either embedded or a separate component of every CSIP. Plans are monitored for progress, to modify goals, objectives, and activities a by the school principal and school technology committees identified in this document.

The development of the district technology plan is a culmination of district and school goals, needs, and priorities aligned to the vision of the district and the five components as outlined above. The district technology plan is included in the CDIP and approved by the board. The district technology plan is monitored for progress, to modify goals, objectives, and activities as needed by the central office technology staff.

Comprehensive District Improvement Plan (CDIP) – ITEM # 9 & ITEM 10

Scott County CDIP, Items 9-10, address the point-to-point connection from Central Office to each site in Scott County. Preparations made during the summer of 2007 to establish two additional schools sites, connected via point-to-point fiber to the Central Office have been successful. In addition, the process of establishing a pole agreement with AEON, formally Kentucky Utilities is underway to provide connectivity to the new Great Crossings Career Technical and Performing Arts School.

Comprehensive District Improvement Plan (CDIP) – ITEM # 12

The Voice, Video and Networks Department will work with the administration of schools to assist with upgrading existing systems and installing a base system that will allow expansion at a future date.

Technology Vision and Goals

Goal 1

Raise the level of use of technology for engaged learning by all certified staff and by all students while maintaining adequate technology resources for that use in compliance with the new refreshed NET*S standards for students, teachers, and administrators in addition to the state Technology Program of Studies and Core Content 4.1.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Model and provide best practices for integration of technology into all professional development opportunities in alignment with the state Technology Program of Studies and Core Content 4.1 and ISTE Refreshed NET*S Standards for students, teachers, and administrators.	Student achievement will increase when students are engaged in learning and using technology in authentic ways. Uses of new technologies will inspire and motivate teachers to create lessons with real world application.	7/1/08	Ongoing	\$5000/yr	Pending: NCLB, Title IID, KETS, District, School

Goal 2

Employ Technology Integration Specialists (TIS) at the district and building level to support teachers to create engaging lessons with technology for students to comply with the state Technology Program of Studies and Core Content 4.1, and to develop awareness of trends in educational technology that support teaching and learning to address skills we expect all students to possess for a successful future.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Technology Integration Specialists (TIS) previously known as a TRT will be employed at the district and building level to serve all schools to assist in the integration of technology into content.	All teachers will be supported in integrating technology into the curriculum for authentic engagement of students in alignment with the Technology Program of Studies and Core Content 4.1.	7/1/08	6/30/09 and ongoing	\$230,000 /yr	Pending: NCLB, Title IID, KETS, District, School

Goal 3

To increase the number of teacher, administrator, and student workstations in each school by 20% each year. Reduce current student to computer ratio of 7:1 to meet or exceed KETS minimum standard of 6:1.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Workstations for Students, Teachers, Administrators, and other personnel will be purchased at a 20% replacement rate annually. Purchase of student workstations via the IDU for replacement of outdated computers.	All workstations will be replaced on a 5-year rotation cycle, making them all capable of using current software and interfacing with emerging technologies. New student workstations from IDU will prepare students for online assessment and online learning opportunities.	7/1/08	6/30/09 and ongoing	\$500,000 /yr	Pending: IDU Initiative, KETS, District, School

Goal 4

Fund and support learning opportunities for teachers and students to include technology to analyze real world data and support critical thinking skills through inquiry/problem-solving in order to produce results and make informed decisions.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Principals will fund and support students and teachers in innovative uses of technology for increasing student achievement and engagement of learning with technology.	Learning opportunities for teachers and students to include technology to analyze real world data and support critical thinking skills through inquiry/problem-solving in order to produce results and make informed decisions will be presented at the Teacher Academy, KTLC, STLP, etc..	7/1/08	6/30/09 and ongoing	\$10,000.	Pending: NCLB, Title IID, KETS, District, School, Grants

Goal 5

Purchase a dedicated server to expedite the delivery of EncycloMedia streaming video content district-wide.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Continue to expand the use and integration of EncycloMedia resources district wide via school-based teacher leader trainings from building EncycloMedia Specialists, and KET consultants, for content integration ideas. Maximize available current bandwidth for ease of accessibility in addition to the purchase a dedicated server.	Request KET EncycloMedia/Discovery offer trainings to teacher leaders; increased use of EncycloMedia with purchase of dedicated server; higher level of integration in lesson plans; increased number of users (teachers and students) logging on.	7/1/08	6/30/09 and ongoing	\$10,000. To \$15,000. server purchase	Pending: NCLB, Title IID, KETS, District, School

Goal 6

Continue and increase usage of Atomic Learning by staff, students, and parents of students.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Continue and increase use of Atomic Learning, a web-based subscription of video learning tutorials for just-in-time learning for all students, teachers, and parents of students. This web based subscription is also utilized for professional development opportunities aligned to school and personal growth plans. Develop motivational opportunities such as offers of iPods to individual users and/or schools with increased usage.	View current usage of Atomic Learning by school. Conduct staff and student survey to determine effectiveness AL.	7/1/08	6/30/09 and ongoing	\$9,000/yr	Pending: NCLB, Title IID, KETS, District, Local

Goal 7

Increase funding to support the purchase of interactive intelligent classroom components to expand classroom tools for teaching and rigorous learning opportunities.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Teachers will integrate and embed interactive whiteboards, projectors, carts, wireless tablets, CPS "clickers", and document cameras into lessons to enhance student learning.	Assess teaching and learning with "smart" technologies; purchase additional components to provide equity across district.	7/1/08	6/30/09 and ongoing	\$30,000/Yr	Pending: KETS, NCLB, Title IID, District, Local, Grants

Goal 8

Increase participation of schools in the STLP initiative. Provide greater funding and support for active STLP participation across the district K12.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
All Schools will be offered financial support for their Student Technology Leadership Program in addition to teacher incentives, and increasing STLP technology inventory for existing projects.	Students leaders in technology, experience improved self-esteem and provide service and recognition to their school and community.	7/1/08	6/30/09 and ongoing	\$7,000/yr	Pending: KETS, Local, NCLB, Title IID

Goal 9

Lease and/or construct 1GB fiber infrastructure to connect new sites with current wide-area-network.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Install or lease high bandwidth connections to connect new school/sites to the Central Office data center and internet.	All users will have the bandwidth to meet their needs.	7/1/08	6/30/09 and ongoing	\$24,000 Estimated Cost	General Funds: eRate (if funded)

Goal 10

Install equipment to achieve a centralized voice system to improve performance, reliability, and efficient management

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Upgrade outdated telecommunications equipment, new telephone equipment will be purchased/ installed as buildings are renovated and/or availability of funds.	Users will have equipment to meet communication and safety needs. Communication between teachers and parents and parents to school is essential.	7/1/08	6/30/09 and ongoing	Included w/construction contract	eRate (if funded), Construction Funds, Maintenance Budget, General Budget
All users will be trained in the use of new equipment and KEY operators will understand the operations as well as possess troubleshooting skills.	Users, students, and staff will be able to interact with each other through voice, video, data, and other technologies with ample bandwidth.	7/1/08	6/30/09 and ongoing	Included in purchase contract	Construction Funds, Maintenance Budget
Install Scott Garth: Switches, Access Points, VOIP Components, UPS	Better Communication	7/1/08	6/30/09	Based on vendor contract	eRate (if funded)

Goal 11

Collaborate with district and building administration to ensure adequate staffing to meet networking and school support needs

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Collaborate with District Administrator, School Administrators, and STCs to establish a realistic support level for technology at the school level.	User proficiency, student and staff, will increase. Equipment will readily support the teaching and learning needs of users.	7/1/08	6/30/09 and ongoing	To be determined	State and Local Funds

Goal 12

Install/upgrade CCTV systems to be maintained by district support personnel.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
CCTV (Security) Systems will be upgraded and/or installed as funds become available	Schools are better managed and safer with this technology installed.	7/1/08	6/30/09 and ongoing	To be determined	State and Local Funds

Goal 13

Purchase and install network hardware and licensing.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Infrastructure (switches, wireless devices, licensing, etc.) will be developed as additional equipment is purchased and installed within our schools.	Purchase and deployment of new equipment will meet the expanding needs of the district.	7/1/08	6/30/09 and ongoing	To be determined	eRate (if funded), State and Local Funds

Goal 14

Purchase video conferencing equipment for each school and one component for central office to provide all administrators, staff, and students virtual learning opportunities supported by Internet 2 educational content (MAGPI and CILC) and professional development via KEN and supported by the tenets of the KETS Master Plan. Organize a training plan for effective use and ease of access.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Purchase video conferencing equipment for each school and central office complex.	Enhanced lesson creation through integration of quality video conferencing content and projects. Increased student engagement in learning with interactive video conferencing participation.	7/1/08	6/30/09 and ongoing	\$88,000. or current state contract pricing	Pending: NCLB, Title IID, KETS, District, School, Grants
Develop a timeline for training of all library media specialists, curriculum integration specialists, technology integration specialists, and school technology coordinators for learning to access content from repositories and the "how-to" of technical connectivity and ease of use.	All individuals trained will be available as support staff to empower teachers to become independent proficient users of video conferencing equipment in the classroom.	7/1/08	6/30/09 and ongoing	\$5,000.	Pending: NCLB, Title IID, KETS, District, School, Grants

Goal 15

To establish the infrastructure supporting a 1GB network connection point-to-point between Scott County District Hub Site and the Career, Technical and Performing Arts School and the Scott County Pre-School.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Install fiber to Taylor Farm	Better Communications	Jul 08	Aug 09		
Install fiber to Pre-School	Better Communications	Jul 08	Aug 09		

Staff Training/ Professional Development Goals

Scott County Schools is a progressive district in continuous improvement of current and future technology initiatives. All staff and students may require assistance and training to use, integrate, and implement current and new technologies. Currently, there is one full-time Technology Integration Specialist (TIS) responsible to work with all schools district wide in addition to assisting in the need for on-demand training. There are no Technology Integration Specialists (once called TRTs) at any of the Scott County schools.

A school technology coordinator (STC) is available at every school either as a full or part time position. The STC provides assistance with technical issues. STCs identified as instructional (certified teachers) are more likely to offer instructional support and assistance to their colleagues.

There are at least two EncycloMedia Specialists at every school. EncycloMedia Specialists are teachers who volunteer to provide training to their peers and to disseminate information from KET EncycloMedia and the director of technology. With the new Kentucky Education Network providing increased bandwidth has resulted in more teachers taking advantage of accessing resources during the day for enhancing lessons with technology. Our goal continues to stress and encourage more students to utilize this resource at both home and school in addition to increasing teachers' proficiency of using EncycloMedia in greater depth in their lessons and/or integrating clips in other technology such as "clickers" or with interactive whiteboards.

In support of just in time learning anytime and anywhere, Atomic Learning is a web-based subscription service purchased for all staff, students, and parents of Scott County students for learning to use software applications. Atomic Learning, a video tutorial repository also provides "lesson accelerators" aligned to content and state standards. These lesson accelerators are exemplars for integration of Atomic Learning into classroom lessons. There is a minimum of one Atomic Learning Ambassador in every Scott County school. Atomic Learning Ambassadors are teachers who volunteer to provide training to their peers and to disseminate information from AL and the director of technology. Our goal is to continue increasing usage of Atomic Learning with an overview if the 07-08 school year winners who received iPods and SMARTBoards via a contest format. The success of this format indicates we should continue offering incentives as well as training opportunities.

iSafe will be implemented across the district via librarians/library media specialists guided and supported by the director of technology. Every librarian/lms is certified in iSafe training and will work closely with their building principal, counselor, family resource/youth services coordinator, and PTA/PTO to disseminate the K-12 curriculum throughout the schools to students. In addition, movement will include family iSafe training and community outreach in partnership with local law enforcement and the Chamber of Commerce for the vision of an iSafe Scott County.

Integration of the "Intelligent Classroom" has brought SmartBoards, wireless tablets, "clickers", document cameras, and other tools into our buildings and classrooms. With the lack of building TRT/TIS support, professional development and training rests on teacher leaders, vendors, STC, and support of the building principal to develop and nurture teacher technology leaders in every building to support momentum forward with these tools for teaching and learning. To assist in providing training opportunities, a Fall Into Technology Celebration will be designed during fall break. This will be an all-day opportunity for administrators and teachers to register and attend sessions that are aligned with the building technology improvement plan as well as their own professional growth plan.

With the Kentucky Education Network (KEN), brings a new level of video conferencing utilizing Internet 2 (I2) content providers. The larger bandwidth supports use of video conferencing for teaching and learning opportunities. The technology component is mobile enough for teachers to transport from classroom to classroom. Professional development and training for how to use and integrate video conferencing into lessons has begun with librarians/library media specialists using a train-the-trainer format with the goal to bring all principals lead teachers on board by fall '08. In addition, an overview of the MAGPI repository for free Internet 2 quality content will also be offered to the core team of trainers.

Professional development technology opportunities are available to district staff, during the working day, before school, after school, early-release days, during fall, winter, spring breaks, summer teacher academy, as well as via online communities.

Regular School Technology Coordinator meetings will provide opportunities for additional training of the district website and these sessions will be open to other administrators and/or their designee. Training will be scheduled and provided as needed.

Training is provided during the installation and implementation of an upgraded telephone communication system, including telephone features, voicemail and automated attendant setup as part of each new installation. Key users are identified in each building and provided extensive training so that they can become the main support contact(s) for their facility.

Training is provided during the installation and implementation of a newly installed CCTV system, including CCTV features, remote viewing capabilities and video recovery. Key users are identified and provided extensive training so that they can become the main support contact(s) for their facility.

Provide regularly scheduled training for STC to keep skills current and to introduce new or better ways of managing network resources. Individual training will be provided to acquaint new members with responsibilities and new tools.

Current Technology and Resources

Data collected from the December 1, 2007 Technology Tools Readiness Survey, reflects Scott County Schools enrollment of 6548 and total computer inventory at 2477 computers.

- 1690 student workstations – 810 elementary – 880 secondary
- 491 classroom teacher workstations
- 296 administrator and other personnel workstations

Operating Systems on current workstations:

Windows 95 and 98

- 69 student, 14 teacher, and 6 administrator workstations

Windows 2000

- 163 student, 30 teacher, and 11 administrator workstations

Windows XP

- 1144 student, 438 teacher, and 247 administrator workstations

Windows Vista

- 108 student, 5 teacher, and 32 administrator workstations

Mac OS 9 (and earlier)

- 160 student, 4 teacher, and 0 administrator workstations

Mac OS X

- 46 student, 0 teacher, and 0 administrator workstations

Based on the December 1, 2007 enrollment, we are far below the 6:1 student to computer ratio as per KETS minimum standards for workstations. Even with the \$540,074. Instructional Device Upgrade (IDU) allocation, the current ratio of students to computers that meet or exceed KETS minimum standards is 14.81: 1 a reduction from the 17:1 ratio a year ago.

District enrollment continues to increase at an approximate rate of 3 -5% annually resulting in replacement of older and outdated computers rather than net gain. Our goal will be to seek reduced student to computer ratios.

One full-time DTC/CIO and one full-time technology integration specialist (TIS) support instructional technology initiatives within the district. All twelve schools employ a school technology coordinator on either a full or a part-time basis. Seven of the school technology coordinators are certified staff teaching and providing services as the technical go-to at the building level. Three in-house full-time district technicians focus on daily operations and maintenance: director of networking, system engineer, and technician.

Ten of the twelve schools in the district are active in the Student Technology Leadership Program (STLP) with several coaches in each building offering additional opportunities for all students to participate.

Within the district, 14 are connected to WAN via fiber, 100% of LAN ports are 100MB or above, 100% of classrooms are connected to the LAN, 100% of workstations are connected to the LAN, and 35% connect wirelessly to the LAN.

Both the ratio of classroom phones to out-going telephone trunk lines and the ratio of classroom phones to in-coming telephone trunk lines is 10:1.

Funding received for the Kentucky Education Network (KEN) has increased our bandwidth from two T-1 lines to a 100MB connection. This improvement facilitates greater use of KET EncyloMedia, web-based applications, video conferencing by teachers and students and improved connectivity for enterprise systems (MUNIS, SIS, MAX, and ILP). The network supports fiber and gigabyte activity available to administrators, teachers, and students. It is the foundation for movement towards online assessment, and future initiatives from the local and state level.

As of December 2007, district wide there are one hundred seventy-one projectors, sixty-four SMARTBoards, thirty-seven wireless tablets, thirty-three Classroom Performance Systems “CPS clickers”, and fourteen document cameras. Every school has a minimum of one SMARTBoard.

The Scott County School District Voice, Video, and Data Networks Department consist of three personnel, which include a Director, Senior Engineer, and Network Support Technician. These individuals are responsible for supporting all telecommunications needs, computer hardware, and software, Educational Television (CATV), Security Systems (CCTV), District level applications (SIS, HVAC, Library Circulation, Educational Software, as well as any other server-provided applications). Each school has, within their budget, the opportunity to staff School Technology Coordinator’s (STC’s). The Voice, Video and Data Networks (VVDN) Department trains and supports these school STC’s with regularly scheduled meetings, training workshops, and one-on-one coaching to develop skills and knowledge. The School Technology Coordinator supports hardware, and assist at the school level with staff and student technology skills.

June and July of each year are scheduled to maintain technology hardware located in the building data closets (Main DataFrame, MDF and Intermediate DataFrame, IDF). This timeframe is also used to engage in major renovations to buildings, including, but not limited to, data wiring installation and telephone installations.

Evaluation

Monitoring and evaluation of the technology plan is continuous as we seek improvement, address changes and needs - planned and unplanned at the building, district, and state level.

School technology committees meet throughout the year to review technology plans for completion and/or revision of the planned activities, necessary budget adjustments, creation of new activities, and review of current and future goals for supporting the district vision, belief statements, and principles. Revisions become a part of the district technology plan.

An annual fixed assets inventory of hardware provides an accurate account of the age and number of workstations in the district. In addition, this data is used to plan and budget for adjustments of current and future instructional and management needs by students, teachers, and administrators.

Monitoring bandwidth traffic within the district and from the district to the state to ensure that fiber and gigabyte activity is available to all students and staff

Evaluation of Network Technology Component of CDIP

Evaluation of the technology goals as identified in the attached CDIP document is ongoing. A yearly cycle of evaluation/implementation/evaluation has been established to assure adequate resources are available to support the instructional and administrative functions of the Scott County School District. A brief narrative of the major components follows:

- 1. Install or lease high bandwidth connections to new school/sites to our Central Office data center and the internet.**
Success will be achieved by measuring the bandwidth and uptime of satellite schools. New schools will have connections installed. New, as well as existing schools will experience an uptime of 99.9% or greater.
- 2. New telephone equipment will be purchased and installed as buildings are renovated and/or as funds become available.**
Currently, teachers have long waits to acquire dial tone when initiating calls from the classroom. With new equipment installed teachers will have dial tone at least 95% of the time or greater. Random surveys will be conducted to determine success.
Training will be provided on new equipment, Administrators and teachers will be asked to sign training logs at these in-service sessions.
- 3. Collaborate with District Administrator, School Administrators, and STC's to establish a realistic support level for technology at the school level.**
School Technology Support personnel will evaluate the number of completed and outstanding work-orders yearly. This will yield a percentage rating (work-orders completed /work-orders submitted).
- 4. CCTV (Security) Systems will be upgraded and/or installed as funds become available.**
Success will be measured by net gain over the previous year. Do we have more storage for videos? Etc. If we have more yes answers than no's we have succeeded.
- 5. Infrastructure (switches, wireless devices, licensing, etc.) will be built as additional equipment is purchased and installed within our schools.**
Success will be achieved if all devices have network ports to connect to the WAN. Wireless access points are purchased by the schools/departments and the Network Department provides security switches and licenses. Wireless access is not recommended for many types of network service (STI, Munis, SETS, etc).

Our network goal is 100% availability during regular school/business day; this evaluation is a basic calculation of downtime divided by uptime.

- List the professional development and technologies to be acquired during each year of the agency's plan.
- Note: At least 25% of the funds allocated to an LEA through the *Title IID ED Tech Program* (Competitive and Non-Competitive), must be allocated for professional development activities.

Acquired Technologies and Professional Development	Ed Tech Formula Title IID	E-Rate	KETS	Other (Specify)
Best practices, integration of new technologies and learning opportunities \$5000/yr.	X		X	District/ Schools
Technology salaries and Curriculum/Technology Resource Teachers at district and building level \$230,000/yr.	X		X	District/Schools
Workstations for students, teachers, and administrators \$500,000/yr			X	District/Schools
eWalk subscription \$5000/yr				District/Schools
Fund and support teacher and student presentation/conference opportunities for innovative uses of technologies \$10,000/yr	X		X	District/Schools
EncycloMedia Dedicated Server/Oral Histories/GIS Data \$10,000-15,000	X		X	District/Schools Grant
Atomic Learning professional development web-based subscription (staff, students, and parents of students) \$9000/yr	X			
Intelligent Classroom Technologies \$30,000/yr	X		X	District/Schools Grant

Student Technology Leadership Program \$7000/yr	X		X	District/Schools
Video Conferencing technologies (Codec) \$80,000/yr	X		X	District/Schools Grant
Install or lease high bandwidth connections \$24,000 (estimated)		X		General funds
Telco (Voice/Data)		X		
Upgrade/new phone equipment Included w/construction contract		x		Construction funds Maintenance budget General budget
Users trained in the use of new equipment and KEY operators will understand the operations Included in purchase contract				Construction funds Maintenance budget
CCTV (Security)				
Infrastructure (switches, wireless devices, licensing, etc.)				
Intranet				
All expenditures for VVDN are from local funds – 100%				

