Technology Plan:
Hopkins County School District
Madisonville, KY 42431

http://www.hopkins.kyschools.us

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Acknowledgments

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Executive Summary

This plan highlights the goals, vision, needs, priorities, and solutions in place to ensure the effective use of technology in Hopkins County Schools.

Our district has a fiber WAN in place with over 5500 gigabit Ethernet ports to network our schools to the world. The appendices illustrate the abundance of tools we have acquired for our students over the years. Careful planning ensures these tools are used to promote engaged student learning and accomplish the academic goals set forth in our District Comprehensive Improvement Plan.

Planning Process / Methodology

Technology planning is a on-going process that must be flexible to accommodate changes in the budget. This plan assumes that technology funding will remain consistent as in past years, but it is understood that in a time of slow economy, some projects in this plan may not receive adequate funding and may not be accomplished while others projects are only partially funded.

Furthermore, as new technologies emerge, purchasing priorities may be realigned to take advantage of newer technologies. Nonetheless, the district is committed to continued progress in expanding opportunities for students using a strategy to maximize cost effectiveness in our planning efforts.

The District Comprehensive Improvement Planning Committee maps out district-wide planning efforts. This committee examined school assessment data to determine district-wide needs. Once needs were determined, the group worked on a targeted areas. During these planning sessions, technology components were embedded into this district-wide plan. This technology plan, however, breaks specific goals and strategies down even further to give a clearer picture of where the district is going in terms of technology acquisition, training, and its impact on teaching and learning.

This detailed technology plan was drafted by the technology department and is reviewed by stakeholders in the district who make suggestions and expand upon the basic premise of the plan.

The school district will continue to review relevant research which will lead to improvements in student academic achievement as measured by challenging state academic content and student academic achievement standards. This will involve ongoing, sustained professional development for teachers, principals, administrators, and school library media personnel serving the district, to further the effective use of technology in the classroom.

Technology Vision and Goals

Goal 1: Engaged Learning
Students and will become in engaged in learning using the latest technology.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Promote student-initiated learning activities through collaborative learning projects using technology	Engaged student learning	Observation, school walk-through	July 1, 2010 through September 30, 2011	Director of Technology TIS	EETT Local
Utilize student/teacher interaction tools within hosted web environment	Progressive collaboration between teachers, students, and community	Evidence of utilization on school website	July 1, 2010, ongoing	School Webmasters who train teachers	E-Rate Local
Continue to look for Web 2.0 resources that can add value to the learning experience	Engaged student learning	Observations, school walk-through	July 1, 2010 through September 30, 2011	Technology Integration Specialists	Local
Continued implementation of district assessments: Grade, Gmade, Thinklink, Dibels etc.	Continuous progress can be tracked and used for design of instructional interventions	Analysis of scores and implementation of RTI as needed	July 1, 2010 through September 30, 2011	District instructional team	Local
Create interactive district formative assessments for each grade level to utilize clicker sets	Formative assessment with immediate results	Assessment results	July 1, 2010 through September 30, 2011	District instructional team	Local
Continue to train teachers to utilize web resources and interactive tools	Evidence of an increased use of technology in schools	Observations, school walk-through	July 1, 2009 through September 30, 2010	Technology Integration Specialists	Local

Add wireless devices in schools	More abundant access to web resources	Inventory records	July 1, 2009 through September 30, 2010	Director of Technology TIS	Local

Goal 2: Up-to-Date Resources

The district will improve the networking infrastructure district-wide which will provide high speed data transfer necessary for distance applications and collaborative learning. Schools will have modern equipment, software, materials and technical support to provide students with the most suitable technology environment.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Continue to provide fiber connectivity from school sites to Central Office hub	Ability to use more bandwidth-intensive applications across the WAN	Clean, fast network	July 1, 2010, ongoing	Director of Technology Systems Administrator	Local E-Rate
Upgrade school networking electronics to accommodate 10Gb WAN links	Ability to implement 10Gb WAN	Clean, fast network	July 1, 2010, ongoing	Director of Technology Systems Administrator	Local E-Rate
Upgrade phone systems in all schools as funding allows to incorporate local VoIP using WAN bandwidth	Ability to dial extensions across the LAN, bring calls into the district using cheaper PRI lines, utilize functionality of IP handsets, etc.	Monitoring of availability and service	July 1, 2010, ongoing as budget permits	Director of Technology Systems Administrator	E-Rate Local KETS
Replace incoming copper phone links with PRI lines for new Central Office phone system	Reduce monthly recurring costs and available phone lines in the district	Observation/monitoring	July 1, 2010, ongoing	Director of Technology Systems Administrator	E-Rate Local KETS
Provide voice and data cellular service to school and district	Access to administrators via voice and email 24/7	Observation	July 1, 2010 through September 30, 2011	Director of Technology Computer Technicians	E-Rate Local

administrators					
Continue to refresh school computer inventories as funding permits	Adequate computing power for instructional and student use	Monitoring of inventory	July 1, 2010 through September 30, 2011	Director of Technology Tech Staff	KETS Local
Continue to develop a large scale backup solution	No downtime as a result of network disasters	Monitoring of backup solution documentation and verification of data	Ongoing	Systems Administrator	KETS Local
Research a one to one solution for teachers and students	Connectivity with resources throughout school day		Ongoing	Director of Technology TIS	KETS Local
Update school surveillance security camera systems (servers and cameras) as needed	Create an environment with less distractions as a result of inappropriate conduct or violence	Inventory records	Ongoing	Director of Technology Systems Administrator	KETS Local

Student Technology Literacy Skills

Goal 1: Creativity, Innovation, Communication, and Collaboration

Students will demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. They will use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.

Students will:

- Apply existing knowledge to generate new ideas, products, and processes.
- Create original work as a means of personal or group expression.
- Use models and simulations to explore complex systems and issues.
- Identify trends and forecast possibilities.
- Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media.
- Communicate information and ideas effectively to multiple audiences using a variety of media and formats.
- Develop cultural understanding and global awareness by engaging with learners of other cultures.
- Contribute to project teams and produce original works or solve problems.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Provide a TIS to work with middle school teachers and students on literacy skills one day per week	Increase in 8th grade literacy skills	TBD	July 1, 2009 through June 30, 2011	Director of Technology Technology Integration Specialists Amy Gamblin Michael Zimmer	EETT Local
Create a district student technology literacy assessment for 8th grade literacy skills *using Turning Points	Measure student technology literacy skills	Assessment results	Test will be administered to 8th graders in spring 2010 and every fall thereafter	Technology Integration Specialists	EETT
Determine an assessment tool for 12th grade literacy skills	Measure gains over time	Assessment results	July 1, 2010 through June 30, 2011	Director of Technology Technology Integration Specialists	Local

Goal 2: Research, Information Fluency, Critical Thinking, Problem Solving, and Decision Making

Students apply digital tools to gather, evaluate, and use information. They will manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.
. Students:

- Plan strategies to guide inquiry.
- Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media.
- Evaluate and select information sources and digital tools based on the appropriateness to specific tasks.
- Process data and report results.
- Identify and define authentic problems and significant questions for investigation.
- Plan and manage activities to develop a solution and/or make informed decisions.
- Collect and analyze data to identify solutions and/or make informed decisions.
- Use multiple processes and diverse perspectives to explore alternative solutions.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Teachers and students will be trained to utilize KET Encyclomedia	Less searching for instructional resources online	KET Encyclomedia logs	July 1, 2009 through September 30, 2010	Technology Integration Specialists	Local
Utilize World Book Encyclopedia online	Provide research tools to students	World Book Encyclopedia logs	July 1, 2009 through September 30, 2010	Supervisor of Instruction	Title II Part A
Provide online instructional courses (such as Plato, Novel Stars, etc) for targeted learners	Course enhancement	Reports within each product	July 1, 2009 through September 30, 2010	Supervisor of Instruction	TBD
Implementation of Achieve 3000 (Teen Biz) in schools	Increased student achievement and exposure to online learning	Reports within program	July 1, 2009 through June 30, 2012	Supervisor of Instruction	ARRA

Goal 3: Digital Citizenship

Students will understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.

Students:

- Advocate and practice safe, legal, and responsible use of information and technology.
- Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity.
- Demonstrate personal responsibility for lifelong learning.
- Exhibit leadership for digital citizenship.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Schools will utilize School Resource Officers in teaching digital citizenship and internet safety	Students will develop a responsible attitude about online safety and use of resources	Documentation of event or lesson plans	July 1, 2009 through September 30, 2010	Technology Integration Specialists	School Funds
Elementary computer lab assistants will receive information on how to teach digital citizenship in the labs	Students will begin to learn about internet safety in the early years - proactively	Evidence of lesson plans	July 1, 2009 through September 30, 2010	Technology Integration Specialists and Computer Lab Assistants	Local
Technology Integration Specialists will develop a website with resources for teaching digital citizenship	Teachers will spend less time searching for viable resources and more time integrating ideas	Evidence in websites	July 1, 2009 through September 30, 2010	Technology Integration Specialists	Local
Library Media Specialists will utilize plagiarism components developed during joint planning sessions in curriculum	Students will become more aware of avoiding plagiarism	Evidence of lesson plans	July 1, 2009 through September 30, 2010	Library Media Specialists	N/A
Middle School students will utilize a Cyber Citizenship	Students will learn basic online citizenship	Evidence of blog on TIS websites	July 1, 2009 through September 30, 2010	High School Technology Integration	Title II Part D Competitive

blog.	expectations.			Specialists	
All students are required to sign an Acceptable Use Policy each year. The policy supports the safe, professional and academic usage of email and the internet.	Computer use by students will be safer and more focused.	Evidence of signed AUP and record keeping within Infinite Campus	July 1, 2009 through September 30, 2010	Director of Technology School Technology Coordinators	N/A
Develop a district policy on social media Web 2.0 acceptable use for staff	Raise awareness of appropriate online behavior	Policy or guidelines provided to staff	July 1, 2009 through September 2010	Director of Technology	N/A
Develop a mandatory training presentation for school principals to deliver to staff at start of school year	Raise awareness of the AUP and expectations	Policy or guidelines provided to staff	July 1, 2009 through September 2010	Director of Technology	N/A

Goal 4: Technology Operations and Concepts

Students will demonstrate a sound understanding of technology concepts, systems, and operations.

Students:

- Understand and use technology systems.
- Select and use applications effectively and productively.
- Troubleshoot systems and applications.
- Transfer current knowledge to learning of new technologies.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Explore the possibility of creating a student-run help desk at the	School to work experience while teaching critical	Completion of work orders	July 1, 2010, Ongoing	Director of Technology	Local

high schools	troubleshooting skills				
Continue to offer the A+ Networking Course for high school students	Basic hardware troubleshooting skills	Course assessments	July 1, 2010, Ongoing	MNHHS Staff	Local
Teach keyboarding skills beginning in the elementary school	Create an early foundation for proper keyboarding techniques	Monitoring of course/curriculum	July 1, 2010, Ongoing	Elementary lab assistants	Local
Encourage middle schools to integrate keyboarding curriculum into their careers courses	Create a keyboarding foundation so that it becomes unnecessary to teach keyboarding in the high schools	Monitoring of course/curriculum	July 1, 2010, Ongoing	Director of Technology	Local
Work with district staff on developing a career path for IT in the new Career & Technical Center	Opportunity for furthering technical skills	TBD	July 2009, Ongoing	Superintendent	TBD

Integration of Technology into Curricula and Instruction

Goal 1: Implementation of Technology

Teachers will use technology to support instruction; access and manipulate data; enhance professional growth and productivity; communicate and collaborate with colleagues, parents, and the community; and conduct research.

Action Plan: Projects/Activities

Project/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Provide TIS at each high school to assist teachers in utilizing technology as an instructional tool	Increased use of interactive tools in instruction	Evaluated through EETT grant	July 1, 2009 through June 30, 2011	Director of Technology Technology Integration Specialists Amy Gamblin Michael Zimmer	EETT
Require training for interactive technology equipment ordered and assigned to teachers	Up-front training will provide direction for use and reduce support calls and other barriers to use	Increased inventory of items in schools, less support requests for assistance of these items	July 1, 2009 through June 30, 2011	Technology Integration Specialists	Local
Work with teachers to design better placement of projectors, interactive boards, etc.	Remove physical barriers to instructional use of technology	School walk-throughs	July 1, 2009 through June 30, 2011	Director of Technology Technology Integration Specialists Technicians	Local
Conduct school walkthroughs each year to observe instructional technology in use	Identify teachers who may need assistance or more resources	Anecdotal records during walkthrough	July 1, 2010, Ongoing	Director of Technology Technology Integration Specialist	Local

Staff Training/ Professional Development Goals

Goal 1: School Level Technology Training and Support
Each school will have in place technology leaders who can provide support to school staff in technology planning and implementation.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Train School Technology Coordinators to assist in the schools	Better school-level support for technology	STC Stipend logs	July 1, 2010 through September 30, 2011	Director of Technology STCs	EETT
Provide PD opportunities for school leaders via conferences, web-delivered courses, etc.	Better knowledge of technology resources	Course participation	July 1, 2010 through September 30, 2011	District and School Staff	EETT Local
Re-organize technology staff to provide better work flow through district help desk	Better flow of work orders	Observation, work order reports	July 1, 2010 through September 30, 2011	Technology staff	Local
Send district technology staff to Kentucky Dataseams workshop	Allow for a smoother transition to the Macintosh environment in designated labs	Success in mac implementation	February 2010 through September 30, 2011	Director of Technology	EETT KETS Local
Send TIS to KySte Conference	Bring back integration ideas and strategies to teachers	Conference evaluation and evidence in lesson plans	March 2010 through September 30, 2011	Director of Technology TIS	EETT Local

Current Technology and Resources

Currently the district technology department includes a staff of 10 at the Central Office: Director of Technology, Technology Administrative Secretary, two Technology Integration Specialists, Systems Administrator and five specialized technicians. Technical support is streamlined to the appropriate staff through an online work order submission process. Since 2009, we have been able to add two Technology Integration Specialists to our staff; both report to their designated high school each day. They spend four days a week at their high school and one day each week at their designated middle schools. These high school Technology Integration Specialists are able to maintain all of our technology staff training in the high schools and accomplish much of the training for the middle schools. Our other two integration specialists at the board office are available to train staff at our eight elementary schools and pick up much training in the middle schools, as well. The increase in technology specialists has made a tremendous impact in our district.

All district schools are connected to the Central Office hub through 1GB fiber backbone. All servers have been consolidated at the Central Office in a virtual environment. The servers utilize shared storage via Equalogic arrays. The move towards virtualization and shared storage has simplified the deployment of new servers and has allowed us to better manage storage capacity as needs change over time.

In the fall of 2009, wireless access points were updated at the two high schools. We now have 186 wireless N access points combined at these two schools. The existing 186 a/b/g access points replaced at the high schools were distributed out to the middle and elementary schools to provide approximately 35 per middle school and 12 per elementary school. Mini devices were purchased for our middle schools to help with Response to Intervention (RTI). The middle school students will utilize a program called Teen Biz for Reading and Plato for Math RTI needs.

All technology is maintained through an online work order system which is integrated with current technology inventory. The technology department places the orders for all technology equipment regardless of funding. Equipment is delivered to the Central Office where the items are properly coded in MUNIS and are tracked through our system.

We are able to track history on each device and also associate required training for items assigned to users such as airliners, document cameras, clicker sets, etc. Streamlining all of our technical needs through an integrated system has allowed us to better address both support and training of items in our district.

Evaluation

Hopkins County Schools will conduct ongoing evaluations to monitor the progress of telecommunications services, hardware, software, and instructional use of technology.

Performance Goal 1: Technology-Infused Environment

Monitor the use of technology and make adjustments as needed to create a technology-rich and better learning environment.

Action Plan: Strategies/Activities

Indicator	Target	Tools/Methods Used	Timeline	Person(s) Responsible	Funding Source
School principals will evaluate the technology skills of each staff member.	Teachers	Professional Growth & Evaluation of Certified Staff	Annually for non-tenured teachers; Minimum of once every three years for tenured teachers	School Principal	N/A
The district instructional team will conduct walk-thrus to monitor instructional practices including the effective use of technology by teachers and students	School staff	Technology Walk Through Document	TBD	Director of Technology Technology Integration Specialists	N/A
Monitor district technology equipment so that aging equipment is identified and refreshed each year	All schools	District technology inventory	Annually at the onset of each school year so that we can budget accordingly	Director of Technology	N/A

Budget Summary

The Hopkins County School District will secure the financial resources needed to achieve the goals outlined in this plan, including professional development and training, software, and other related items that might not be eligible for E-rate discounts. The general fund, federal funds, and state funds are used to acquire and support all technology elements in the district (e-rate discounted and non-discounted).

The following sources can and are being utilized:

- **General Fund** – General fund money up to $250,000 each year (excluding salaries and benefits) is allocated to unrestricted state and local funding. This fund is used to cover the majority of the district's ongoing operations such as computer repair, network management, audio visual equipment purchase and repair, telephone purchase and repair, computers and related equipment, instructional and administrative equipment, travel, and general supplies.

- **Federal Funds**
  - Title II Part D – At least 25% of these funds are used for professional development.
    - *Competitive 2009* – The grant award for July 2009-September 2011 was $60,000.00 each year. This money supports the salaries of two *Technology Integration Specialists*. General funds are used to pick up the remaining portion of their salary and benefits not picked up by the grant.
    - *Formula ARRA 4859* – We have been awarded $42,784.00 in the formula AARA grant which will be used to provide equipment to the schools in conjunction with the competitive grant listed above.
    - *Formula 4250* - The grant award for July 2009-September 2010 was $19,832.00. This money is used to pay stipends to the School Technology Coordinators. (Next year's tentative formula 4251 will be $7,346.)

- **State KETS Funds** – Although we cannot anticipate the state offer of assistance for FY2010, the state offers were accepted and matched locally annually which indicate a sustained commitment both from the state and local district in advancing technology initiatives. The total KETS budget for each year is noted below.

HISTORICAL KETS OFFERS OF ASSISTANCE			
Year	MUNIS CODE	KETS Offers	Total KETS Budget
2004	1625	1st Offer - $43,289 2nd Offer - $44,563	$175,704
2005	1626	1st Offer - $82.490 2nd Offer - $22,843	$210,666
2006	1627	1st Offer - $76,098 2nd Offer - $19,659 Coal Severance - $60,647	$312,808
2007	1628	1st Offer - $82.655 2nd Offer - $61,184 Coal Severance - $1450	$289,578
2008	1629	1st Offer - $71,708 2nd Offer - $65,334	$274,084
2009	1620	1st Offer - $94,005 2nd Offer - $62,670	$313,350
2010		Projected	($25 ADA)

School Year: 2010-2011
Annual Budget Summary

The items highlighted in grey will be completed pending e-rate funding.

Acquired Technologies and Professional Development	Ed Tech Competitive Title IID	Ed Tech Formula Title IID	ARRA Formula Title IID	E-Rate	KETS	Local	TOTAL
Cellular Data Services				$40,500.00		$25,407.12	**$40,500.00**
Local Phone Service				$76,221.36		$26730.00	
Cellular Voice Services				$30,375.00		$10,125.00	**$35,232.60**
Text Messaging Services				$13,500.00		$4500.00	**$18,000.00**
Long Distance Service				$1363.05		$454.35	**$101,628.48**
Fiber Service (District-wide)				$73,342.01		$21,618.55	**$94,960.56**
Phone System for Central Office				$71,328.20	$23,776.06		**$95,104.26**
E-rate *Ineligible* Handsets for Central Office					$26,766.72		**$26,766.72**
Phone System for Browning Springs				$15,595.63	$3888.91		**$19,484.54**
E-rate *Ineligible* Handsets for Browning Springs							
Phone System for North Hopkins				$24,742.15	$10603.78		**$35,345.93**
E-rate *Ineligible* Handsets for North Hopkins							
Phone System for James Madison				$14,536.47	$ 6,229.92		**$20,766.39**

Phone System for Central				$24,742.15	$ 10,603.78		**$35,345.93**
New Cabling & UPS for Hopkins Central							
New Cabling & UPS for North Hopkins				$10,232.60		$4,385.40	**$14,618.00**
New Cabling & UPS for Browning Springs				$7,481.28		$1870.32	**$9,351.60**
New Cabling & UPS for Central Office				$6,014.70		$1992.90	**$8,007.60**
New Cabling & UPS for JMMS				$4,553.50		$1951.50	**$6,505.00**
New Cabling & UPS for West Hopkins				$7,784.64		$1946.16	**$9,730.80**
New Cabling & UPS for South Hopkins							
Networking Components for Browning Springs				$89,817.80	$22,454.45		**$112,272.25**
Networking Components for James Madison				$64,681.58	$ 27,720.67		**$92,402.25**
Networking Components for South Hopkins				$84,239.80	$ 21,059.95		**$105,299.75**
Networking Components for West Hopkins				$			**$116,519.75**
Networking Components for North Hopkins				$143,305.40	$ 61,416.60		**$204,722.00**
Networking Components for Central				$123,019.40	$ 52,722.60		**$175,742.00**
Networking Components for CO				$177,746.44	$ 59,249.81		**$236,996.25**
Basic Maintenance – Pride				$1314.24	$ 328.58		**$1642.82**

Phone System							
Basic Maintenance – West Hopkins Phone System				$1,463.14	$365.79		**$1,828.93**
Basic Maintenance – Grapevine Phone System				$1,137.22	$ 284.35		**$1421.57**
Teacher Training (Salaries for 2 TIS @ high schools)	$60,000.00	$19,832.00	$10,696.00				**$90,528.00**
Tech Staff Salaries						$350,000.00	**$350,000.00**
Hosted Website				$8,437.50		$2,812.50	**$11,250.00**
E-rate Ineligible Website Features						$5,250.00	**$5250.00**
Basic Maintenance of Networking Components (e-rate eligible)				$7,524.54		$2,508.18	**$10,032.72**
Basic Maintenance of Networking Components (not e-rate eligible)						$6,012.00	**$6012.00**
Maintenance on Bomgar (due 6/01)						$958.00	**$958.00**
Software						$40,000.00	**$40,000.00**
Phone, computer, networking repairs						$50,000.00	**$50,000.00**
Computer Refresh					$50,000.00	$50,000.00	**$100,000.00**
Network Support						$40,000.00	**$40,000.00**
TOTAL					$377,471.97	$648,521.98	**$2,234,266.70**

Attachments/Appendices

Appendix A – *Technology Inventory*

District Technology Assets	
Computers	2743
Laptops	625
Plasma or LCD Televisions	264
Projectors	222
Airliners / Interactive Boards	204
Student Response Systems (Clickers)	79
Document Cameras	196
Wireless APs	400

Elementary Schools							
	Earlington	**Grapevine**	**Hanson**	**Jesse**	**Pride**	**Southside**	**West Broadway**
# Students	308	360	544	471	359	478	406
Free/Reduced #	215	248	177	321	224	279	200
Free/Reduced %	69.81%	68.89%	32.54%	61.15%	62.40%	58.37%	49.63%
Computers	123	130	158	188	145	162	129
Laptops	11	11	14	8	14	13	15
Plasmas	8	21	1	7	6	1	9
Projectors	10	2	26	22	12	27	14
Interactive Boards	18	15	10	19	10	29	9
Clicker Sets	6	8	4	1	4	10	11
Document Cameras	20	17	20	17	4	27	12
Wireless APs	14	12	12	12	12	12	12
Effective 02-15-2010							

	Middle Schools				High Schools	
	BSMS	**JMMS**	**WHS**	**SHMS**	**North**	**Central**
# Students	475	505	482	488	1008	974
Free/Reduced #	274	194	288	288	369	459
Free/Reduced %	57.68%	38.42%	59.75%	59.02%	36.61%	47.13%
Computers	228	206	191	165	383	399
Laptops	44	54	70	46	84	112
Plasmas	36	29	33	37	29	29
Projectors	16	6	24	8	20	28
Interactive Boards	23	4	33	11	12	6
Clicker Sets	9	1	4	1	9	9
Document Cameras	7	6	12	13	22	17
Wireless APs	25	35	33	35	86	99
Effective 02-15-2010						

Appendix B - *Network*

Wide Area Network (WAN)

Local Area Network (LAN)

	Wiring Closets	1 Gigabit Ethernet Ports		100 Megabit Ports	
		Used	**Available**	**Used**	**Available**
Elementary Schools					
Earlington	3	272	112		
Grapevine	1	253	11		
Hanson	2	299	181		
Jesse Stuart	1	226	134		
Pride	3	328	152		
Southside	1	273	81		

West Broadway	2	245	139		
Middle Schools					
Browning Springs	4	479	25		
James Madison	2	333	219		
South Hopkins	5	411	93	6	42
West Hopkins	3	410	70		
High Schools					
Hopkins Central	3	848	136		
Madisonville North	4	797	115		
ADT	1	48	12		
Non-Instructional					
Central Office	2	316	444		
Bus Garage				2	3
TOTAL PORTS	**37**	**5538**	**1924**	**2**	**3**

Appendix C - *3 Year Long Range Plan*

Goals:	2009-2010 (completed)	2010-2011	2011-2012
Computer Refresh	• Replace approximately 160 elementary teacher workstations in the	• Replace approximately 200 middle and high school teacher workstation	• Attempt to phase out all GX260 machines and below
Support Services	• Re-organize department for better work flow • Implement a district level help desk	• Implement a help desk at each high school	• Re-evaluate and improve upon support services
WAN	• Install a distribution switch at both high schools	• Continue to monitor traffic on each school VLAN to determine feasibility of other network upgrades	
LAN		• Begin to look at Quality of Service on networking switches to accommodate VoIP at Central Office	
Phones	• June – Sept 2010 – Install new phones systems in five schools that received 2009 e-rate funding	• Install new phone system at Central Office with QOS • Install new phone systems at Hopkins Central and North Hopkins High Schools (pending e-rate funding)	• Install new phone systems in the three remaining schools: BSMS, JMMS, and Hanson (pending funding) • We expect to have all phone systems upgraded by 2013.
Wireless Access	• Wireless coverage in all schools • Add wireless devices as budget allows	• Investigate the possibility of getting all wireless access points on HiPath	
Web	• Continue to train teachers on better utilization of teacher websites • Set up a testing SharePoint server	• Continue to train the trainer for classroom website development • Better utilize the tools within the classroom webpage for student interaction	
Classroom	• Identify classrooms without either a	• Develop a plan for purchasing	

Interactive Tools	projector or plasma display	projectors/plasmas for classrooms that have neither device	
	• Ensure K-5 schools have at least one clicker set per grade level for Common Assessments		
One-to-One	• Research/evaluate one-to-one initiatives in other districts • Prepare network	• Look at possible ways to increase student access to laptops in the high schools • High school TISs will utilize COWS more in classroom projects to emphasize student use of technology	• Possible one-to-one in high schools?
Campus Security	• Develop a plan for upgrading surveillance security cameras in the middle and high schools • Begin upgrade of security systems in the high schools to expand 16 camera systems to 32.	• Needs assessment for the security systems in the middle schools • Possible upgrade of middle school security systems as funding permits	• Needs assessment for the security systems in the elementary schools