

Technology Plan:  
Hopkins County School District  
Madisonville, KY 42431



<http://www.hopkins.kyschools.us>

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# **Acknowledgments**

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## **District Leadership**

James L. Stevens, Superintendent  
Linda Zellich, Deputy Superintendent  
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Lonnie Strader, Director of Elementary Instruction & Title I  
Jennifer Luttrell, Director of Special Education & Early Childhood  
Brad Johnson, Director of Pupil Personnel  
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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.

It is our goal that student achievement is increased through the improvements made to our network and services offered within our department. We also expect to see increased use of technology by teachers with improved teaching and learning, as well as enhanced communication between the district, parents, and community.

## **Planning Process / Methodology**

Technology planning is an 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 and district initiatives. Nonetheless, our school district is committed to continued progress in expanding opportunities for students using a strategy to maximize cost effectiveness in our planning efforts.

The committee began by determining district-wide needs. While the District Comprehensive Plan maps out district-wide goals for instruction with embedded components of this plan, this technology plan 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.

## Current Technology and Resources

Currently the district technology department includes a staff of 14 at the Central Office: Director of Technology, Technology Administrative Secretary, four Technology Integration Specialists, Systems Administrator and six specialized technicians. Technical support is streamlined to the appropriate staff through an online work order submission process. Since 2010, we have been able to add two additional Technology Integration Specialists to our staff. They spend four days a week in their schools and have one office day a week for planning. We are proud that we've been able to increase our staff by four since the 2010 school year.

Since our department is growing, we've had to restructure our work space to accommodate new people. We've also had to add two vehicles to our fleet so that we can get the help out to the schools. We are proud that district leadership recognizes the need to not only purchase equipment, but also to support educational technology in our schools.

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 Equallogic 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.

We began replacing many outdated computers last year with "virtual" desktops. These devices have allowed us to put in place a cost-effective, organized means of computer refresh in the years to come. Each elementary and middle school classroom has a teacher workstation, one "host", and 2-5 "virtual" desktops running Microsoft Multipoint Server. When it is time to complete a computer refresh at that school for student desktops, we will just incur the cost of the one host instead of the 2-6 machines we have traditionally had to replace in the past.

We just recently completed a major upgrade to our wireless network. All schools have updated, high-speed access points. We offer guest wireless, a wireless network for district-owned devices that allow users to connect to district resources, and an administrative wireless network that is less restrictive. While our wireless network is much improved, it is only as stable as our wired network, so our concentration this school year will shift to focusing on replacement of cabling that supports these wired and wireless networks.

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 continue to expand our inventory system to include new devices such as iDevices and n-computing devices. It is our goal to have everything tracked in our system so that the service that we provide to the schools can be most effective.

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 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.

### **Technology Vision and Goals Evaluation Narrative**

The district instructional team will conduct walk-throughs to monitor instructional practices including the effective use of technology by teachers and students using an e-Walk application on the iPhone or iPad. These results will be used to help in planning for not only the instructional technology initiatives, but also in adjusting vision/goals to refine this document, as needed.

We also send our Technology Integration Specialists out at the beginning and end of the school year to do a complete walk-through to document locations of technology assets for our inventory program and fixed asset records. While completing the walk-through, they will document teacher needs.

### **Student Technology Literacy Skills Evaluation Narrative**

Our 4 Technology Integration Specialists will monitor the implementation of student technology literacy skills as they meet with teachers and work with them on various projects. District leadership will also utilize walk-through data to ensure that students are impacted.

### **Integration of Technology into Curricula and Instruction Evaluation Narrative**

Our Technology Integration Specialists will continue to work with teachers to help them fully integrate their classroom tools into the curriculum and instruction. The principals will evaluate evidence of this through lesson plans.

### **Staff Training/Professional Development Evaluation Narrative**

In the 2010-11 school year, we began to use common planning times for staff training. This worked well with small groups, so we plan to use the same strategy this year. We will evaluate the effectiveness of this strategy at the end of the year using online teacher surveys. We will also compare the survey results to our walk through graphs which will show the extent that technology tools are used by both teachers and students.

## Curriculum and Instructional Integration 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	Indicator	Timeline	Person(s) Responsible	Funding Source
Promote student-initiated learning activities through collaborative learning projects using technology	Engaged student learning	Observation, school walk-through	7/1/2012 thru 9/30/2013	Director of Technology TIS	Local
Utilize student/teacher interaction tools within hosted web environment	Progressive collaboration between teachers, students, and community	Evidence of utilization on school website	7/1/2012 thru 9/30/2013	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	7/1/2012 thru 9/30/2013	Technology Integration Specialists	Local
Continued implementation of district assessments such as MAP, Dibels, etc..	Continuous progress can be tracked and used for design of instructional interventions	Analysis of scores and implementation of RTI as needed	7/1/2012 thru 9/30/2013	District instructional team	Local
Create interactive formative assessments for each grade level to utilize clicker sets	Formative assessment with immediate results	Assessment results	7/1/2012 thru 9/30/2013	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	7/1/2012 thru 9/30/2013	Technology Integration Specialists	Local
Add wireless devices in schools	More abundant access to anytime, anywhere learning	Inventory records	7/1/2012 thru 9/30/2013	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	Indicator	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	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	Ongoing planning with implementation dependent upon funding	Director of Technology Systems Administrator	Local E-Rate
Evaluate replacing 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	7/1/2012 thru 9/30/2013	Director of Technology Systems Administrator	E-Rate Local KETS
Provide voice and data cellular service to school and district administrators	Access to administrators via voice and email 24/7	Observation	7/1/2012 thru 9/30/2013	Director of Technology Computer Technicians	E-Rate Local
Continue to refresh school computer inventories as funding permits	Adequate computing power for instructional and student use	Monitoring of inventory	7/1/2012 thru 9/30/2013	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	7/1/2012 thru 9/30/2013	Systems Administrator	KETS Local
Continue to 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	Create an environment with less distractions as a result of	Inventory records	Ongoing	Director of Technology Systems Administrator	KETS Local



needed	inappropriate conduct or violence				
Integrate iDevices into the network environment	Create an engaging learning environment	Inventory Records	Ongoing	Director of Technology Instructional Teams	Local
Continue to deploy virtual desktops to classrooms	More devices per student using less power and network drops	Increased student user of computers	Ongoing	Director of Technology Systems Administrator	KETS Local
Upgrade wired network at Earlington Elementary School to include new terminations, panels and jacks, conduit and raceways, patch panels (CAT6A), and cable management	Improve the wired network for future stability while also improving the wired network for new technologies	Observation / purchasing records	Ongoing	Director of Technology Systems Administrator	KETS Local

## Student Technology Literacy Goals

### 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	Indicator	Timeline	Person(s) Responsible	Funding Source
Provide a TIS to work with teachers and students on literacy skills	Increase in 8 <sup>th</sup> grade literacy skills	TBD	7/1/2012 thru 9/30/2013	Director of Technology Technology Integration Specialists Amy Gamblin Michael Zimmer	EETT Local
Create a district student technology literacy assessments using Turning Points	Measure student technology literacy skills	Assessment results	7/1/2012 thru 9/30/2013	Technology Integration Specialists	EETT
Model lessons with learners	Measure gains over time	Assessment results	7/1/2012 thru 9/30/2013	Director of Technology Technology Integration Specialists	Local
Utilize common planning time with teachers to share integration ideas	Increase in technology literacy for both students and staff	Observation	7/1/2012 thru 9/30/2013	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	Indicator	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	7/1/2012 thru 9/30/2013	Technology Integration Specialists	Local
Utilize World Book Encyclopedia online	Provide research tools to students	World Book Encyclopedia logs	7/1/2012 thru 9/30/2013	Supervisor of Instruction	Title II Part A
Provide online instructional courses (such as Apex, etc) for targeted learners	Course enhancement	Reports within each product	7/1/2012 thru 9/30/2013	Supervisor of Instruction	TBD
Implementation of ACT Online Study with students	Increased student achievement and exposure to online learning	Reports within program	7/1/2012 thru 9/30/2013	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	Indicator	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	7/1/2012 thru 9/30/2013	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	7/1/2012 thru 9/30/2013	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	7/1/2012 thru 9/30/2013	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	7/1/2012 thru 9/30/2013	Library Media Specialists	N/A
All students are required to sign an Acceptable Use Policy each year.	Computer use by students will be safer and more focused.	Evidence of signed AUP and record keeping within Infinite Campus	7/1/2012 thru 9/30/2013	Director of Technology School Technology Coordinators	N/A
Refine 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	7/1/2012 thru 9/30/2013	Director of Technology	N/A
Continue implementation of 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	7/1/2012 thru 9/30/2013	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	Indicator	Timeline	Person(s) Responsible	Funding Source
Explore the possibility of creating a student-run help desk at the high schools	School to work experience while teaching critical troubleshooting skills	Completion of work orders	7/1/2012 thru 9/30/2013	Director of Technology	Local
Continue to offer technology strands for high school students	Basic hardware troubleshooting skills	Course assessments	7/1/2012 thru 9/30/2013	MNHHS Staff	Local
Teach keyboarding skills beginning in the elementary school	Create an early foundation for proper keyboarding techniques	Monitoring of course/curriculum	7/1/2012 thru 9/30/2013	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	7/1/2012 thru 9/30/2013	Director of Technology	Local
Work with the Career & Technology Center in implementing technical curriculum	Opportunity for furthering technical skills	TBD	7/1/2012 thru 9/30/2013	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	Indicator	Timeline	Person(s) Responsible	Funding Source
Provide TIS in all schools to assist teachers in utilizing technology as an instructional tool	Increased use of interactive tools in instruction	Evaluated through EETT grant	7/1/2012 thru 9/30/2013	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	7/1/2012 thru 9/30/2013	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	7/1/2012 thru 9/30/2013	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	7/1/2012 thru 9/30/2013	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	Indicator	Timeline	Person(s) Responsible	Funding Source
Train School Technology Coordinators to assist in the schools	Better school-level support for technology	STC Stipend logs	7/1/2012 thru 9/30/2013	Director of Technology STCs	EETT
Provide PD opportunities for school leaders via conferences, web-delivered courses, etc.	Better knowledge of technology resources	Course participation	7/1/2012 thru 9/30/2013	District and School Staff	EETT 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	7/1/2012 thru 9/30/2013	Director of Technology	EETT KETS Local
Take advantage of training offered through KYSTE and other conferences	Better train TIS to work with teachers in the schools	Evaluated through TIS evaluation	7/1/2012 thru 9/30/2013	Director of Technology TIS	EET KETS Local
Provide TIS in all schools to assist teachers in utilizing technology as an instructional tool	Increased use of interactive tools in instruction	Evaluated through EETT grant	7/1/2012 thru 9/30/2013	Director of Technology Technology Integration Specialists	EETT

## 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.
- State KETS Funds** – Although we cannot anticipate the state offer of assistance for FY2012, 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	1 <sup>st</sup> Offer - \$43,289 2 <sup>nd</sup> Offer - \$44,563	\$175,704
2005	1626	1 <sup>st</sup> Offer - \$82,490 2 <sup>nd</sup> Offer - \$22,843	\$210,666
2006	1627	1 <sup>st</sup> Offer - \$76,098 2 <sup>nd</sup> Offer - \$19,659 Coal Severance - \$60,647	\$312,808
2007	1628	1 <sup>st</sup> Offer - \$82,655 2 <sup>nd</sup> Offer - \$61,184 Coal Severance - \$1450	\$289,578
2008	1629	1 <sup>st</sup> Offer - \$71,708 2 <sup>nd</sup> Offer - \$65,334	\$274,084
2009	1620	1 <sup>st</sup> Offer - \$94,005 2 <sup>nd</sup> Offer - \$62,670	\$313,350
2010	1621	1 <sup>st</sup> Offer - \$80,583 2 <sup>nd</sup> Offer - \$74,384	\$309,904
2011	1622	1 <sup>st</sup> Offer - \$75,044	



## Attachments/Appendices

### Appendix A – *Technology Inventory*

Effective 1-5-2012

District Technology Assets	
Computers	2467
Laptops	953
Plasma or LCD Televisions	319
Projectors	366
Airliners / Interactive Boards	204
Student Response Systems (Clickers)	178
Document Cameras	333
Smart Boards	179
N Computing	887
iDevices	183
Wireless APs	501

Elementary Schools							
	Earlington	Grapevine	Hanson	Jesse	Pride	Southside	West Broadway
# Students	385	402	577	523	526	493	452
Free/Reduced #	300	295	230	352	362	319	270
Free/Reduced %	77.92%	73.38%	39.86%	67.30%	68.82%	64.71%	59.73%
Computers	100	97	120	177	121	160	109
Laptops	8	42	13	13	17	15	26
Plasmas	11	22	1	14	7	4	10
Projectors	13	10	37	29	21	30	19
Airliners	20	16	10	10	4	29	15
Clicker Sets	19	13	11	11	7	15	15
Document Cameras	21	20	27	25	15	30	22

Smart Boards	3	8	19	22	19	9	22
N Computing	56	58	76	3	60	2	71
iDevices	36	3	5	17	6	3	3
Wireless APs	32	27	12	31	15	31	12
Effective 01-05-2012							

	Middle Schools				High Schools				
	BSMS	JMMS	WHS	SHMS	North	Central	Academy	ADT	
# Students	418	515	479	478	1050	869	68	18	
Free/Reduced #	267	207	320	270	423	434	41	15	
Free/Reduced %	63.38%	40.19%	66.81%	56.49%	40.29%	49.94%	60.29%	63.88%	
Computers	182	164	135	118	390	364	25	38	
Laptops	142	128	71	56	108	140	2	4	
Plasmas	38	31	34	40	39	37	0	6	
Projectors	30	28	26	17	31	60	0	4	
Airliners	19	7	12	16	17	26	0	0	
Clicker Sets	14	10	15	14	17	14	0	0	
Document Cameras	10	27	25	27	40	38	0	3	
Smart Boards	8	21	27	8	2	8	0	3	
N Computing	85	60	109	98	24	55	34	17	
iDevices	3	9	22	9	13	15	1	3	
Wireless APs	35	68	69	71	100	100	3	3	
Effective 01-05-2012									

## Appendix B - **Network**

### Local Area Network (LAN)

	Wiring Closets	1 Gigabit Ethernet Ports		100 Megabit Ports	
		Used	Available	Used	Available
<b>Elementary Schools</b>					
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		
<b>Middle Schools</b>					
Browning Springs	4	479	25		
James Madison	2	333	219		
South Hopkins	5	411	93	6	42
West Hopkins	3	410	70		
<b>High Schools</b>					
Hopkins Central	3	848	136		
Madisonville North	4	797	115		
ADT	1	48	12		
Academy	1				
<b>Non-Instructional</b>					
Central Office	2	316	444		
Bus Garage				2	3
<b>TOTAL PORTS</b>	<b>37</b>	<b>5538</b>	<b>1924</b>	<b>2</b>	<b>3</b>

Appendix C - **3 Year Long Range Plan**

<b>Goals:</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-2015</b>
<b>Computer Refresh</b>	<ul style="list-style-type: none"> <li>Upgrade NC host to Windows Multipoint Server (WMS)</li> <li>Replace some existing Optiplex 745 hosts</li> </ul>	<ul style="list-style-type: none"> <li>Continue to replace existing Optiplex 745 hosts with new computer and WMS</li> </ul>	<ul style="list-style-type: none"> <li>Begin refresh cycle again starting with MS/HS to replace machines older than five years</li> </ul>
<b>Support Services</b>	<ul style="list-style-type: none"> <li>Refine district help desk</li> </ul>	<ul style="list-style-type: none"> <li>Re-evaluate and improve upon support services</li> </ul>	<ul style="list-style-type: none"> <li>Re-evaluate and improve upon support services</li> </ul>
<b>Phones</b>	<ul style="list-style-type: none"> <li>Install new phone system at Central Office, Browning Springs, JMMS, and Hanson Elementary School</li> </ul>	<ul style="list-style-type: none"> <li>We expect to have all phone systems upgraded by 2013.</li> </ul>	<ul style="list-style-type: none"> <li>We expect to have all phone systems upgraded by 2013.</li> </ul>
<b>Wireless Access</b>	<ul style="list-style-type: none"> <li>Investigate the possibility of authenticating wireless users through a radius server</li> <li>Add density to schools as needed</li> </ul>	<ul style="list-style-type: none"> <li>Continue to add density to schools as needed</li> </ul>	<ul style="list-style-type: none"> <li>Continue to add density to schools as needed</li> </ul>
<b>Wired</b>	<ul style="list-style-type: none"> <li>Upgrade wired network at Earlington Elementary School to include conduit, raceways, panels, jacks, and cable management.</li> </ul>	<ul style="list-style-type: none"> <li>Look at replacing wired network at other schools.</li> </ul>	<ul style="list-style-type: none"> <li>Continue to plan for wiring projects in other schools based on e-rate funding</li> </ul>
<b>Web</b>	<ul style="list-style-type: none"> <li>Continue to work with teachers on website development</li> <li>Better utilize the tools within the classroom webpage for student interaction</li> <li>Explore online curriculum management solutions</li> </ul>	<ul style="list-style-type: none"> <li>Continue to work with teachers on classroom website development</li> <li>Better utilize the tools within the classroom webpage for student interaction</li> </ul>	<ul style="list-style-type: none"> <li>Continue to work with teachers on classroom website development</li> <li>Better utilize the tools within the classroom</li> </ul>
<b>Classroom Interactive Tools</b>	<ul style="list-style-type: none"> <li>Continue to work on cable management for mounted</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate new tools for consideration in purchasing.</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate new tools for consideration in purchasing.</li> </ul>

	classroom projectors <ul style="list-style-type: none"> <li>Evaluate new tools for consideration in purchasing.</li> </ul>		
<b>One-to-One</b>	<ul style="list-style-type: none"> <li>Continue research and evaluation and possible implementation of some type of 1:1 initiative</li> </ul>	<ul style="list-style-type: none"> <li>Continue research and evaluation and possible implementation of some type of 1:1 initiative</li> </ul>	<ul style="list-style-type: none"> <li>Continue research and evaluation and possible implementation of some type of 1:1 initiative</li> </ul>
<b>Campus Security</b>	<ul style="list-style-type: none"> <li>Continue upgrading security cameras</li> </ul>	<ul style="list-style-type: none"> <li>Continue upgrading security cameras</li> </ul>	<ul style="list-style-type: none"> <li>Continue upgrading security cameras</li> </ul>