



Fayette County School System Technology Plan

Superintendent	Reba Anderson
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E-Rate Funding Year 2009-2010 (July 1, 2009 - June 30, 2010)

Enhancing Education Through Technology (EETT) FY2008-2009

State of Alabama FY2008-2009

Vision Statement

The mission of our Technology Department is to meet individual student needs by providing current, innovative, and emerging technology as integral tools for classroom teaching and learning. Working toward interactive classroom environments will empower students to actively participate in continuous learning opportunities that will allow them to demonstrate improved achievement and readiness for the challenges of today's technological society.

Technology Planning Team			
First Name	Last Name	School/Organization	Job Title
Paul	Agnew	Fayette County School District	SRO
Adam	Canterbury	Fayette County School District	Tech Support Personnel
Allen	Dunavant	Hubbertville High School	Hubbertville Mayor
Amy	Fowler	Fayette Elementary School	Tech Leader
Ann	Moore	Fayette Middle School	Parent Representative
Janice	Moore	Bery Elementary School	Tech Leader
Mary	Raines	Berry High School	Tech Leader
Lydia	Smallwood	Hubbertville School	Tech Leader
Linda	Thigpen	Fayette Middle School	Tech Leader
Darrell	Thomas	Berry Elementary School	Assistant Principal
Jody	Tucker	Fayette County School District	Tech Support Personnel
Sue	Tucker	Fayette High School	Tech Leader
Infrastructure			
Infrastructure			
All schools in the Fayette County School system have an Ethernet LAN consisting of servers, clients, switches, and routers running on a 100 megabit backbone. All classrooms and office areas have at least one Ethernet drop that allows access to the network. The Central Office and Bus Shop have an Ethernet LAN consisting of servers, clients, switches, and routers running on a 100 megabit backbone with network drops in each office. All school facilities except Fayette Alternative School and Fayette Bus Shop have access to wireless nodes in specified areas. As new technologies are developed we will discuss ways to integrate them into our current infrastructure.			
Connectivity/WAN			
Connectivity			
Fayette County has a wide area network that is supported by a fiber optic backbone interconnection between all of the school sites. All schools communicate with one another by utilizing the fiber optic cabling. Internet access is available to all computers that are a connected to the wide area network. Our county bus shop is also a part of our wide area network and is connected by means of a multimode fiber optic connection that is fed off of Fayette Middle School. At the central office we have a Cisco 3550 Layer 3 switch that acts as the backbone for our network and provides us with a way to segment our network into virtual LANs. Each school has a Windows 2003 Server that provides user authentication, DHCP services, file services, and also acts as a backup domain controller for our primary domain controller that is located at the central office. The district will upgrade all WAN Fiber Transceivers and all Network Switches to 1000 Mbps in order to provide maximum throughput.			
Internet Access			
Internet			
We have 12.0mbps available bandwidth to provide users with Internet access. Our internet backbone consists of a fiber link to Charter communications. Our current content filtering solution is provided by and managed by the Alabama Supercomputing Authority and is CIPA compliant. Fayette County Board of Education has an approved policy for Acceptable Use and Internet Safety. This information is distributed to parents and students and must be signed by both to acknowledge that they have read and agreed to its contents. During the 2008-09 school year, our district will be implementing a firewall/network security solution that will track and document violations of the Acceptable Use and Internet Safety Policy.			
Information Security			
Security			
INTERNET FILTERING AND VIRUS PROTECTION: A Firewall/Network Security Solution is in place			
INTERNET FILTERING: Alabama SuperComputer 8e6 content filter			
ATTACH DOCUMENTATION			
Student Technology Available			
Availability			

Technology is widely available throughout our district in many ways. Each classroom has a minimum of one computer that has access to the internet and access to the library catalog for searching. Students have access to wireless laptops to do research and other school related projects.

Our libraries have a mini-lab that is used for reading skills enhancement, Internet research, and for search the library catalog for searching for and checking out books. Our computer labs consist of 20+ computers that are all connected to the LAN. They have the following applications installed:

- Microsoft Office
- Renaissance Place
- My Reading Coach
- USA Test Prep (high schools)
- EXAMVIEW

Other programs are available on specified computers to target individual skill needs and to enhance the students learning experience.

Technology and Curriculum Integration

Integration

Fayette County Schools

PRESENT TECHNOLOGY AND CURRICULUM INTEGRATION:

- Teachers are using PowerPoint projects to provide a visual learning experience in the classroom.
- Microsoft applications are being used to create presentations, databases, spreadsheets, websites, and other project based instructional activities.
- Photo Editing software is being used on several campuses as students and teachers learn to prepare photos for optimal Internet browsing.
- Our EDLINE websites at every school campus are providing continuous opportunities for teachers to learn how to join together school and home by uploading weekly lesson plans and other important class information.
- The Following are used to enhance classroom instruction:
 - Virtual Field Trips
 - SmartBoards
 - Mimios
 - Classroom Response Systems
 - APTPlus
 - United Streaming

FUTURE PLANS FOR TECHNOLOGY AND CURRICULUM INTEGRATION:

- The primary target for us is to provide more state of the art hardware so that teachers will be more motivated to participate in technology integrated teaching. At this point many are leery to put forth the effort as a result of the age of the equipment they must use.
- A second focus is on providing continuous, job-embedded professional development that will allow teachers to explore new ways in which they can effectively integrate technology into their classroom and their curriculum.
- Through Technology in Motion and Science in Motion, we are teaching teachers how to incorporate technology into any curriculum.

AYP & Education Technology

AYP & Educational Technology

Technology is being implemented at all schools in Fayette County, but the concentration is on Berry High School and Hubbertville School since neither of these sites made AYP.

Each high school is going through Technology in Motion training so that they better integrate Technology in the classroom. Enhanced classroom instruction is the primary goal throughout the district, but especially in these schools that are not making the AYP status. In addition to professional development training for teachers, we have installed Interactive SmartBoards and ceiling mounted projectors so that the students are able to be more involved in their learning experiences. Now students can have more ownership in their classroom activities. Finally, we have purchased several laptop carts throughout the district and both Berry High and Hubbertville High have these machines available for students to use throughout the day. The use of the laptops allow students to have differentiated instruction as they primarily use the laptops to improve their test taking skills, research, and reading activities.

There have been great strides made in Fayette County's technology over the last two years, and the goal is to make learning fun and productive so that students want to be in school. With our AYP concerns being tied to the graduation rate, we have focused on improving the learning conditions. There were too many instances where students were passive learners who preferred to sleep or write notes instead of participate in daily lectures from their teachers. Our goal is to create classrooms and teachers that students want to partner with as they complete their high school years.

GOAL 1: TECHNOLOGY INTEGRATION AND MASTERY OF STANDARDS

All Alabama students, teachers, and administrators will effectively use technology as an integrated tool for teaching, leading, and learning to master local, state, and national standards.

Interpretation [1]

All Fayette County School District students, teachers, paraprofessionals, and administrators will effectively use technology as an integrated tool for teaching, leading, and learning to master local, state, and national standards.

IDEAL Performance (Indicator for Goal 1): When we have achieved Goal 1 we will see the following in our district:

Description

DISTRICT WIDE FOCUS:

- Each teacher will have a LAPTOP to use for creating instructional materials.

- Each District and School Level Administrator will have a TABLET for use in conducting or participating in PEPE evaluations, faculty meetings, and administrator trainings.
- Provide STICLASSROOM WEB to all teachers in the district.
- As projectors are requested they will be ceiling mounted for enhanced classroom learning.
- As the district becomes wireless, all students will have equal access to Internet to support 24/7 learning opportunities.
- One area per school will be wired with projectors, screens, etc. for school and community presentations.
- All teachers, paraprofessionals, and administrators will be proficient in using STI and EDLINE applications for accurate student data reporting.
- All students, teachers, paraprofessionals, and administrators will be accessing EDLINE on a daily basis in order to view or post information that will support student learning.
- Parents will be provided access to and training for EDLINE in order to increase parental involvement and communication and impact student academic performance.
- Each school library will be upgraded to house a mini-computer lab including computers, SmartBoards, projectors, and projection screens in order to provide an alternate learning environment for teacher and student use.
- Tech Leaders and Principals will continuously monitor and upgrade student computer labs as needed ensuring that all machines are 5 years or younger.
- All libraries will be upgraded with digital cameras and video equipment for students and teachers to check out for projects, portfolios, assessment, documentation, etc.
- Each elementary school will be equipped with a minimum of (1) mobile lab of (30) laptops and high schools will be equipped with a minimum of (2) mobile labs of (30) laptops available for check out as teachers and students become more comfortable and creative with their integration of technology in the classroom.
- All new buildings are built as "smart" buildings from the ground up.
- INCREASE IN TECHNOLOGY PROFESSIONAL DEVELOPMENT ON ALL (6) CAMPUSES.

INDIVIDUAL SCHOOL FOCUSES (in addition to each of the above mentioned items):

Berry Elementary School:

- Upgrade student computer lab with new computer systems.
- Equip K-2 teachers with MIMIO interactive whiteboards and ceiling mounted projectors.
- Acquire a mobile Distance Learning Cart

Berry High School:

- All teachers and students are interacting with the installed SmartBoards.
- Technology Integration is enhanced as teachers and students are utilizing Internet resources in class.
- Focus on Professional Development that incorporates STRATEGIC TEACHING STRATEGIES with the TECHNOLOGY INTEGRATION.
- Teachers participate in bi-monthly TECH DAY training that focuses on Technology in the classroom and integrating software applications as tools for instruction.

Fayette Elementary School:

- At least one teacher per grade level will be using MIMIO interactive whiteboards and ceiling mounted projectors.
- Acquire a mobile Distance Learning Cart
- Finally utilize State Technology Funds as a whole faculty to improve the technology within the school based on GRADE LEVEL needs.

Fayette County High School:

- All HISTORY teachers will be using MIMIO interactive whiteboards and ceiling mounted projectors.
- Teachers participate in bi-monthly TECH DAY training that focuses on Technology in the classroom and integrating software applications as tools for instruction.
- Focus on Professional Development that incorporates STRATEGIC TEACHING STRATEGIES with the TECHNOLOGY INTEGRATION.

Fayette Middle School:

- Finish providing all teachers with LAPTOPS.
- Begin acquiring MIMIO interactive whiteboards for all teachers
- Continue providing ceiling mounted projectors for all teachers.
- UPGRADE 5th and 6th grade Labs.

Hubbertville High School:

- High School teachers will be using SmartBoards, projectors, and additional audio speakers as funds are available. We will begin with the math and science teachers on the high school level.
- On the elementary level, we will begin purchasing MIMIO interactive whiteboards with the 6th grade teachers and move down the grade levels based upon expressed interest.
- Satellite TV installed on the campus and accessible in requested rooms.
- Teachers participate in bi-monthly TECH DAY training that focuses on Technology in the classroom and integrating software applications as tools for instruction.

DATA SOURCES: We will use the following data source(s) to monitor performance. Goal 1

Description

1. Each teacher will submit two lesson plans per school year that document technology integration into their classroom instruction and student learning.
2. Classroom visits will be conducted by the District Technology Director and other District Level Board Supervisors to monitor teacher progression toward proficiency with the National Education Technology Standards (NETS) for teachers.

3. Teachers will be responsible for monitoring and documenting student progress in meeting the National Education Technology Standards (NETS) benchmarks.
4. A NETS benchmark card will be added to each students' Cumulative Folders this school year and become a permanent part of this folder from elementary school through high school.
5. Counselors will ensure that every student has the completed NETS card in his/her cumulative folder and that this documentation follows the students as they transfer schools.
6. Student Perception Survey
7. Community Perception Survey
8. IMPACT Survey Data
9. Student Projects that are submitted for local, state, and national Technology Competitions.

WHERE WE STAND: We have made progress toward achieving Goal 1 in the following ways.

Description

We have met many of our 2007-08 ambitions. Fayette County has:

- Installed DirectTV Satellite Television on (7) school campuses.
- Installed 33 SmartBoards in classrooms.
- Installed 47 ceiling mounted projectors in classrooms.
- Installed 9 MIMIO Interactive Whiteboards in classrooms.
- Provided Tablets to 14 District and School Level Administrators.
- Implemented Tech Days at Berry High School and this year we are having mandatory Tech Days at Fayette High School and Hubbertville School also.
- Provided all classroom teachers with a desktop that is (3) years or less in age by December 19, 2007! A month earlier than the target date.
- Provided all (6) school campuses with a set of "Clicker Girls" Classroom Performance Systems, access to EXAMVIEW for (1) year, and a Wireless Chalkboard.
- Taught teachers to use APTPlus and United Streaming in everyday lesson Plans

Current Objectives Goal 1

Objective Description

- 1 Students meet the Technology Literacy Content Standards found in Alabama's Technology Course of Study.
- 2 Student's regularly make use of current and emerging technology in the learning process.
- 3 Teachers meet local, state, and national technology standards.
- 4 Teachers effectively and equitably map instructional technologies to specific content standards and levels of student learning.
- 5 Teachers appropriately and regularly assign learning activities that integrate the use of technology tools.
- 6 Teachers model the appropriate use of technology tools and resources
- 7 Teachers use technology (STI, EDLINE, AHSGE, SAT/ARMT) to gather and analyze data for improving student achievement.
- 8 Educators use technology to communicate with stakeholders at the local, district, and state level.
- 9 Administrators meet local, state, and national standards.
- 10 Administrators use technology to gather and analyze data to assess instructional effectiveness and monitor student achievement.

Action Steps for Goal 1 (Note: These may overlap with other Goals)

EDLINE Web Hosting Service	
Description	Edline's web hosting and portal solution is built with the latest technology to deliver the functionality, reliability, and performance that schools require. The state-of-the-art hosting, connectivity, and infrastructure are the best at making those critical connections between our schools, students, parents, and community members.
Total Estimated Cost	\$7,400
Estimated Start Date	3/30/2007
Estimated Completion Date	6/30/2008
Timeframe Description	In January 2007 a form 470 was submitted that requested proposals for web hosting services for the district. The contract was awarded to EDLINE, but a 471 application was not filed for the 2007-08 school year. With contract renewal options, we will be applying for funding for 2008-2010.
Person Responsible	Jon Raines Thomas/Technology Director & Jody Tucker/District Tech Support Personnel
Item 1 Estimated Budget Category	Professional Services Contracts
Item 1 Estimated Amount	7400
Item 1: Source(s) of Funds	<ul style="list-style-type: none"> • DETAILS and even accounting codes that will be used. • BES • BHS • FCHS • FES • FMS • HUBB • Erate
Item 2 Estimated Budget Category	
Item 2 Estimated Amount	0
Source(s) of Funds Item 2	
Item 3 Estimated Budget Category	
Item 3 Estimated Amount	0
Source(s) of Funds Item 3	
Unlisted Category Item 4	
Estimated Amount Item 4	0
Source(s) of Funds Item 4	
Indicate E-Rate Relationship	Will be applied for in FY2008-2009; Will be applied for in FY2009-2010
Goal 1 Objectives	2, 6, 8

Firewall/Network Security	
Description	Total Traffic Control is a comprehensive security solution developed specifically to protect K-12 networks. Extensive and comprehensive reports on all network traffic, desktop applications, and installed hardware provide an unparalleled view of our network. Literally, with a few clicks of a mouse, we will stop undesired web downloads, ban specific applications from running on the network, create virus signatures or perform hundreds of other actions. We will be able to manage all of this functionality from an easy-to-use administration console or web browser.
Total Estimated Cost	\$11,000
Estimated Start Date	7/1/2008
Estimated Completion Date	6/30/2011
Timeframe Description	Services will be bid out for 2008 Erate filing for a three year contract.
Person Responsible	Adam Canterbury and Jody Tucker/District Tech Support Personnel
Item 1 Estimated Budget Category	Internet Access
Item 1 Estimated Amount	11000
Item 1: Source(s) of Funds	<ul style="list-style-type: none"> • BOE General Funds • Erate
Item 2 Estimated Budget Category	
Item 2 Estimated Amount	0
Source(s) of Funds Item 2	
Item 3 Estimated Budget Category	
Item 3 Estimated Amount	0
Source(s) of Funds Item 3	
Unlisted Category Item 4	
Estimated Amount Item 4	0
Source(s) of Funds Item 4	
Indicate E-Rate Relationship	Will be applied for in FY2008-2009; Will be applied for in FY2009-2010; Will be applied for in FY2010-2011; Will be applied for in FY2011-2012; Will be applied for in FY2012-2013
Goal 1 Objectives	6

Email Services	
Description	A web-based application that allows employees to compose, send, store, and receive messages over electronic communication systems.
Total Estimated Cost	\$18,000
Estimated Start Date	8/1/2007

Alabama SuperComputer Authority--Internet Service	
Description	The Internet is a worldwide, publicly accessible series of interconnected computer networks that allows students and teachers to take advantage of unlimited resources outside of our district, state, or nation.
Total Estimated Cost	\$0

GOAL 2: EXPANDING OPPORTUNITIES THROUGH TECHNOLOGY

All Alabama students, teachers, and administrators will benefit from a broad range of educational opportunities and resources through the use of technology.

Interpretation [2]
Interpretation
All Fayette County School District students, teachers, paraprofessionals, and administrators will benefit from a broad range of educational opportunities and resources through the use of technology.
IDEAL Performance (Indicator for Goal 2): When we have achieved Goal 2 we will see the following in our district:
Description
<u>FAYETTE COUNTY SCHOOL DISTRICT WILL PROVIDE THE FOLLOWING EDUCATIONAL OPPORTUNITIES AND RESOURCES THROUGH THE IMPLEMENTATION OF TECHNOLOGY IN ITS SCHOOLS:</u>
<ul style="list-style-type: none"> • Teachers will have access to up-to-date computer equipment for creating instructional materials. • Students will have access to up-to-date computer equipment for creating materials that demonstrate achievement in academic courses as well as mastery of technology standards. • State of the art projectors will be professionally installed to ensure quality projection with various media. • Wireless access and implementation of a 1-to-1 laptop initiative will provide all students equal and expanded access to 24/7 learning opportunities. <ul style="list-style-type: none"> ○ PHASE I -- Teacher laptops and training, as well as School Laptop Carts. ○ PHASE II -- Student issued laptops • Continued use of EDLINE web hosting service will continue to increase parental involvement and communication, both of which are proven to impact student academic performance. • School libraries will be upgraded to house a 52" big screen plasma television, mini-computer lab including computers, SmartBoards, projectors, and projection screens so to provide an more access to computers for research regardless of student age or grade level. • Tech Leaders and Principals will continuously monitor student computer labs to ensure that they are up-to-date for students trying to meet state and local standards in all areas, including technology. • Digital cameras and video equipment will allow students and teachers to explore the digital world and realize the endless opportunities available through this medium. • Each school will be equipped with a minimum of one mobile lab of (30) laptops available for check out as teachers and students realize that mobile computing has no limits on where a class can take place with a little creativity. • LEARNING WILL BE ACTIVE as teachers and students will be interacting with the SmartBoards and Mimios. • Technology Integration is enhanced as teachers and students learn how to use Internet and software resources in class. • Professional Development will support teachers as they provide students with greater access to technology in the classroom. • All new buildings are built as "smart" buildings from the ground up. • Provide District Wide Training on the following as requested: <ul style="list-style-type: none"> ○ Creating Technology Integrated Lesson Plans ○ Using the Internet to Integrate the Curriculum with Technology ○ Approaches to Developing Student Technical Competencies ○ Classroom Performance Systems (Assessing Students with "Clickers" in the Classroom) ○ Adobe Photoshop ○ Video in the Classroom: FlipVideos and Tuff Cams ○ Digital Storytelling ○ Smartboards in the Classroom ○ Mimios in the Classroom ○ Mobile Laptops Carts in the Classroom ○ Virtual Field Trips ○ Publishing to the World Wide Web ○ Blogs ○ Wikis ○ Podcasting ○ WebQuests ○ United Streaming ○ Electronic Portfolios ○ ALEX ○ Alabama Virtual Library (AVL)
DATA SOURCES: We will use the following data source(s) to monitor performance. Goal 2
Description
DATA SOURCES: (Link above does not work for Data Sources so I have put the information here)
<ul style="list-style-type: none"> • Student Perception Surveys • Parent Perception Surveys • Computer Inventory Numbers • Required Technology Integrated Lessons Plans (2 per teacher) • Technology Workshop Attendance--local, state, and national • Check out Sheets--for equipment, computer lab request for use, etc. • LightSpeed reports on student usage • EDLINE usage report • Visitors to the FCSD Education Technology Training Center • STI for teachers to use at home
WHERE WE STAND: We have made progress toward achieving Goal 2 in the following ways.

Description
<ul style="list-style-type: none"> ● High School teachers grades 7-12 will have LAPTOPS ● High Schools will have at least (2) laptop carts for classroom use ● All new projectors have been ceiling mounted ● Schools have demo Tuff Cams and Flip Videos to "test drive" prior to making the purchases ● 52" Big Screen Plasma Televisions in each school ● DirectTV in (7) locations--all schools and the Fayette Career Tech Center ● Increased Professional Development

Current Objectives Goal 2

Objective	Description
1	Educators will foster and nurture an environment that supports innovative uses of technology.
2	Technology resources are provided to support the learning and technology needs of the school and community.
3	Distance learning opportunities are provided to enhance learning and access to curriculum content.

Action Steps for Goal 2 (Note: These may overlap with other Goals)

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<p>EDLINE Web Hosting Service</p> <p>Description Edline's web hosting and portal solution is built with the latest technology to deliver the functionality, reliability, and performance that schools require. The state-of-the-art hosting, connectivity, and infrastructure are the best at making those critical connections between our schools, students, parents, and community members.</p> <p>Total Estimated Cost \$7,400.00</p> <p>Estimated Start Date 3/30/2007</p> <p>Estimated Completion Date 6/30/2008</p> <p>Timeframe Description In January 2007 a form 470 was submitted that requested proposals for web hosting services for the district. The contract was awarded to EDLINE, but a 471 application was not filed for the 2007-08 school year. With contract renewal options, we will be applying for funding for 2008-2010.</p> <p>Person Responsible Jon Raines Thomas/Technology Director & Jody Tucker/District Tech Support Personnel</p> <p>Item 1 Estimated Budget Category Professional Services Contracts</p> <p>Item 1 Estimated Amount \$7,400.00</p> <p>Item 1: Source(s) of Funds</p> <ul style="list-style-type: none"> • DETAILS and even accounting codes that will be used. • BES • BHS • FCHS • FES • FMS • HUBB • Erate <p>Item 2 Estimated Budget Category</p> <p>Item 2 Estimated Amount \$0.00</p> <p>Source(s) of Funds Item 2</p> <p>Item 3 Estimated Budget Category</p> <p>Item 3 Estimated Amount \$0.00</p> <p>Source(s) of Funds Item 3</p> <p>Unlisted Category Item 4</p> <p>Estimated Amount Item 4 \$0.00</p> <p>Source(s) of Funds Item 4</p> <p>Indicate E-Rate Relationship Will be applied for in FY2008-2009; Will be applied for in FY2009-2010</p> <p>Goal 2 Objectives 2, 3</p>	<p>Firewall/Network Security</p> <p>Description Total Traffic Control is a comprehensive security solution developed specifically to protect K-12 networks. Extensive and comprehensive reports on all network traffic, desktop applications, and installed hardware provide an unparalleled view of our network. Literally, with a few clicks of a mouse, we will stop undesired web downloads, ban specific applications from running on the network, create virus signatures or perform hundreds of other actions. We will be able to manage all of this functionality from an easy-to-use administration console or web browser.</p> <p>Total Estimated Cost \$11,000.00</p> <p>Estimated Start Date 7/1/2008</p> <p>Estimated Completion Date 6/30/2011</p> <p>Timeframe Description Services will be bid out for 2008 Erate filing for a three year contract.</p> <p>Person Responsible Adam Canterbury and Jody Tucker/District Tech Support Personnel</p> <p>Item 1 Estimated Budget Category Internet Access</p> <p>Item 1 Estimated Amount \$11,000.00</p> <p>Item 1: Source(s) of Funds</p> <ul style="list-style-type: none"> • BOE General Funds • Erate <p>Item 2 Estimated Budget Category</p> <p>Item 2 Estimated Amount \$0.00</p> <p>Source(s) of Funds Item 2</p> <p>Item 3 Estimated Budget Category</p> <p>Item 3 Estimated Amount \$0.00</p> <p>Source(s) of Funds Item 3</p> <p>Unlisted Category Item 4</p> <p>Estimated Amount Item 4 \$0.00</p> <p>Source(s) of Funds Item 4</p> <p>Indicate E-Rate Relationship Will be applied for in FY2008-2009; Will be applied for in FY2009-2010; Will be applied for in FY2010-2011; Will be applied for in FY2011-2012; Will be applied for in FY2012-2013</p> <p>Goal 2 Objectives 4</p>
<p>Alabama SuperComputer Authority--Internet Service</p> <p>Description The Internet is a worldwide, publicly accessible series of interconnected computer networks that allows students and teachers to take advantage of unlimited resources outside of our district, state, or nation.</p> <p>Total Estimated Cost \$0.00</p>	<p>High Speed Internet Services</p> <p>Description Provides additional bandwidth for optimized Internet accessibility.</p> <p>Total Estimated Cost \$32,400.00</p> <p>Estimated Start Date 8/1/2007</p> <p>Estimated</p>

GOAL 3: TECHNOLOGY PROFESSIONAL DEVELOPMENT

All Alabama teachers and administrators benefit from high quality, research-based professional development and supports necessary to achieve local, state, and national standards and courses of study.

Interpretation [3]	
Interpretation	
All Fayette teachers, paraprofessionals, and administrators benefit from high quality, research-based professional development and supports necessary to achieve local, state, and national standards and courses of study.	
IDEAL Performance (Indicator for Goal 3): When we have achieved Goal 3 we will see the following in our district:	
Description	
FCSO TEACHERS WILL BE ATTENDING:	
<ul style="list-style-type: none"> ● STI PD Trainings ● Mini-Technology Workshops provided by the school district as it utilizes its system personnel and their expertise ● High Schools will be implementing bi-monthly TECH DAYS to build technology proficiency ● School Tech Leaders will participate in monthly Technology Trainings a Professional Learning Group through University of Alabama Regional Inservice Center. ● State and National conferences ● Science in Motion ● ARI Training ● AMSTI Training ● School Tech Leaders will be attending AETA as a group each year. 	
DATA SOURCES: We will use the following data source(s) to monitor performance. Goal 3	
Description	
<ul style="list-style-type: none"> ● Workshop Attendance Documentation (online or onsite) ● Professional Development Plan (PDP) Goals to target Improved Classroom Teaching Strategies ● IMPACT Survey Results ● Student Perception Surveys ● Parent Perception Surveys 	
WHERE WE STAND: We have made progress toward achieving Goal 3 in the following ways.	
Description	
<ul style="list-style-type: none"> ● Documented Berry High School TECH TUESDAYS that were begun last year--called TECH DAYS this year. ● Expanded Mandatory bi-monthly TECH DAYS to all High Schools ● Established annual budget for Technology Personnel attendance at the AETA Conference for Professional Development ● Documented attendance of teacher participation in local, state, and national technology workshops through STI PD. 	
Current Objectives Goal 3	
Objective	Description
1	Teachers, administrators and school staff are provided high quality, research-based, job-embedded, technology professional development that is aligned with local, state, and national standards and course of study content standards.
2	Teachers and administrators are provided with adequate resources (such as release time, compensation, reimbursement, materials, etc.) to enable their participation in professional development opportunities within the district and off-site.
3	Administrators use a variety of evaluation data to make decisions related to technology professional development.
Action Steps for Goal 3 (Note: These may overlap with other Goals)	

<p>District, State and National Professional Development</p> <p>Description Teachers and Administrators will attend Professional Development that supports the district effort of focusing our attention on improved instruction and integrated technology.</p> <p>Total Estimated Cost \$100,000</p> <p>Estimated Start Date 10/1/2007</p> <p>Estimated Completion Date 6/30/2012</p> <p>Timeframe Description Professional Development will begin as soon as funding is available and continue indefinitely since there will always be a need to keep up with the everchanging technology.</p> <p>Person Responsible Jon Raines Thomas/Technology Director and Alicia Nalls/Professional Development Coordinator</p> <p>Item 1 Estimated Budget Category Professional Development</p> <p>Item 1 Estimated Amount 100000</p> <p>Item 1: Source(s) of Funds</p> <ul style="list-style-type: none"> ● State Professional Development Funds ● General Funds ● Grants <p>Item 2 Estimated Budget Category</p> <p>Item 2 Estimated Amount 0</p> <p>Source(s) of Funds Item 2</p> <p>Item 3 Estimated Budget Category</p> <p>Item 3 Estimated Amount 0</p> <p>Source(s) of Funds Item 3</p> <p>Unlisted Category Item 4</p> <p>Estimated Amount Item 4 0</p> <p>Source(s) of Funds Item 4</p> <p>Indicate E-Rate Relationship No E-Rate Discounts</p> <p>Goal 3 Objectives 1, 2, 3</p>	<p>STI Training</p> <p>Description Teachers, Counselors, and Administrators will participate in District and State level STI training.</p> <p>Total Estimated Cost \$1,500</p> <p>Estimated Start Date 8/15/2007</p> <p>Estimated Completion Date 6/30/2012</p> <p>Timeframe Description Annually beginning in Fall 2007.</p> <p>Person Responsible Jon Raines Thomas/Technology Director</p> <p>Item 1 Estimated Budget Category Professional Development</p> <p>Item 1 Estimated Amount 1500</p> <p>Item 1: Source(s) of Funds BOE General Funds</p> <p>Item 2 Estimated Budget Category</p> <p>Item 2 Estimated Amount 0</p> <p>Source(s) of Funds Item 2</p> <p>Item 3 Estimated Budget Category</p> <p>Item 3 Estimated Amount 0</p> <p>Source(s) of Funds Item 3</p> <p>Unlisted Category Item 4</p> <p>Estimated Amount Item 4 0</p> <p>Source(s) of Funds Item 4</p> <p>Indicate E-Rate Relationship No E-Rate Discounts</p> <p>Goal 3 Objectives 1, 2</p>
<p>Evaluation Data</p> <p>Description District Level Administration and School Administration will conduct monthly walk-throughs to monitor and evaluate teacher and student technology usage.</p> <p>Total Estimated Cost \$0</p> <p>Estimated Start Date 10/12/2007</p> <p>Estimated Completion Date 5/30/2012</p> <p>Timeframe Description Walk-throughs will be implemented this school year and will remain indefinitely.</p> <p>Person Responsible Jon Raines Thomas/Technology Director & School Principals, Assistant Principals and Tech Leaders</p> <p>Item 1 Estimated Budget Category Professional Development</p> <p>Item 1 Estimated Amount 0</p> <p>Item 1: Source(s) of Funds BOE Resources</p> <p>Item 2 Estimated Budget Category</p>	<p>Improve Instructional Technology Support</p> <p>Description By 2009-2010 school year the goal is to hire a full time Instructional Technology Specialist to serve the district. It is also a priority to provide the Tech Leaders, or the IT specialist at each school, a block of Technology Assistance time during the regular school day so that these individuals can support teachers' efforts with incorporating technology in classroom instruction and student assessment.</p> <p>Total Estimated Cost \$60,000</p> <p>Estimated Start Date 8/1/2009</p> <p>Estimated Completion Date 6/30/2010</p> <p>Timeframe Description To hire the IT Specialist and provide the Technology Assistance blocks beginning during the 2009-2010 school year, and to increase the support based upon needs indicated through data collection.</p> <p>Person Responsible Jon Raines Thomas/Technology Director</p>

GOAL 4: TECHNOLOGY INFRASTRUCTURE

All Alabama students, teachers, and administrators will have access to the appropriate technology resources and infrastructure necessary to support teaching, leading, and learning.

Interpretation [4]	
Interpretation	
All Fayette students, teachers, and administrators will have access to full functioning technology resources and an infrastructure necessary to support teaching, leading, and learning.	
IDEAL Performance (Indicator for Goal 4): When we have achieved Goal 4 we will see the following in our district:	
Description	
<p>FCSD's network is a fully secure network with access to the Internet to all classrooms, libraries, labs, and administrative offices. A full-time Board of Education Supervisor has been hired to serve as Technology Director. Part of her responsibilities is to assist school personnel in professional development training, research, collaboration, and integration of technology into classroom instruction. By 2009-2010 school year we hope to hire a full time Instructional Technology Specialist to serve the district and to provide the Tech Leaders, or the IT specialist at each school, a Technology period during the regular school day so that they can assist teachers' efforts with incorporate technology in the classroom.</p>	
OTHER INDICATORS OF ACHIEVEMENT:	
<ul style="list-style-type: none"> ● The district will upgrade all WAN Fiber Transceivers and all Network Switches to 1000 Mbps in order to provide maximum throughput. ● The district will purchase and utilize servers with the capacity to facilitate improved application delivery and reliable file storage. ● The district will purchase and utilize the McAleer Inventory Program that will track all equipment and integrate with McAleer's NextGen Accounting Program. ● The district will purchase a new server and web-based software to facilitate the accounting demands at the school and district level. ● All school campuses will offer wireless connectivity at 54Mbps or greater ● District Internet traffic is monitored by LightSpeed Total Traffic Control Internet filtering system ● The district will establish and put into place a communication system between schools, central office, and emergency mangement service providers. ● Improved voice communications will expand to VoIP voice network to all schools. ● One facility per school will be wired with projectors, screens, etc. for school and community presentations. ● Each school library will be upgraded with enough bandwidth and internal connections to house a mini-computer lab including computers, SmartBoards, projectors, and projection screens in order to provide an alternate learning environment for teacher and student use. ● Security Surveillance Systems will be installed at all schools to protect the massive upgrade of technology equipment being purchased. Surveillance equipment will be purchased and installed based upon tactical surveys of each campus. ● Wireless Access will be provided throughout Fayette County by means of WIMAX technology. 	
DATA SOURCES: We will use the following data source(s) to monitor performance. Goal 4	
Description	
<ul style="list-style-type: none"> ● Purchasing Contracts ● Paid Invoices ● Technology Inventory Numbers ● District Budgets ● Evaluation of the ratios of technical staff to students, teachers, and administrators ● Evaluation of the ratios of support "persons" to teachers and administrators ● Monitoring and assessment of content posted on teacher websites 	
WHERE WE STAND: We have made progress toward achieving Goal 4 in the following ways.	
Description	
<ul style="list-style-type: none"> ● All students, teachers, paraprofessionals, and administrators will be accessing school and teacher websites via EDLINE on a daily basis in order to view or post information that will support student learning. ● Parents will be provided access to and training for accessing school and teacher websites via EDLINE in order to increase parental involvement and communication and impact student academic performance. 	
Current Objectives (Goal 4)	
Objective	Description
1	Instructional spaces, library media centers, and administrative offices have sufficient network bandwidth to support the learning, communication and administrative goals of the district.
2	Districts have implemented the required Internet security tools to enable teachers, administrators, and students convenient, useful, and safe access to the Internet.
3	Schools will have a sufficient number of Internet-enabled computers and the infrastructure necessary to support learning, communication, and administrative goals of the district.
4	Schools will have a sufficient ratio of technology tools available to support the learning, communication, and administrative goals of the district.
5	District technology budgets represent at least 5% of each district's total budget.
6	The district provides a sufficient ratio of technical staff to support student, teacher, and administrator technology use.
7	The district provides a sufficient ratio of persons to support teachers and administrators in their efforts to achieve technology competency and to integrate technology into the curriculum.

8 Districts and schools will create and maintain websites as vehicles for communicating to parents, the community, and extending school resources to students outside of the school day.

Action Steps for Goal 4 (Note: These may overlap with other Goals)

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<p>EDLINE Web Hosting Service</p> <p>Description Edline's web hosting and portal solution is built with the latest technology to deliver the functionality, reliability, and performance that schools require. The state-of-the-art hosting, connectivity, and infrastructure are the best at making those critical connections between our schools, students, parents, and community members.</p> <p>Total Estimated Cost \$7,400</p> <p>Estimated Start Date 3/30/2007</p> <p>Estimated Completion Date 6/30/2008</p> <p>Timeframe Description In January 2007 a form 470 was submitted that requested proposals for web hosting services for the district. The contract was awarded to EDLINE, but a 471 application was not filed for the 2007-08 school year. With contract renewal options, we will be applying for funding for 2008-2010.</p> <p>Person Responsible Jon Raines Thomas/Technology Director & Jody Tucker/District Tech Support Personnel</p> <p>Item 1 Estimated Budget Category Professional Services Contracts</p> <p>Item 1 Estimated Amount 7400</p> <p>Item 1: Source(s) of Funds</p> <ul style="list-style-type: none"> • DETAILS and even accounting codes that will be used. • BES • BHS • FCHS • FES • FMS • HUBB • Erate <p>Item 2 Estimated Budget Category</p> <p>Item 2 Estimated Amount 0</p> <p>Source(s) of Funds Item 2</p> <p>Item 3 Estimated Budget Category</p> <p>Item 3 Estimated Amount 0</p> <p>Source(s) of Funds Item 3</p> <p>Unlisted Category Item 4</p> <p>Estimated Amount Item 4 0</p> <p>Source(s) of Funds Item 4</p> <p>Indicate E-Rate Relationship Will be applied for in FY2008-2009; Will be applied for in FY2009-2010</p> <p>Goal 4 Objectives 8</p>	<p>Firewall/Network Security</p> <p>Description Total Traffic Control is a comprehensive security solution developed specifically to protect K-12 networks. Extensive and comprehensive reports on all network traffic, desktop applications, and installed hardware provide an unparalleled view of our network. Literally, with a few clicks of a mouse, we will stop undesired web downloads, ban specific applications from running on the network, create virus signatures or perform hundreds of other actions. We will be able to manage all of this functionality from an easy-to-use administration console or web browser.</p> <p>Total Estimated Cost \$11,000</p> <p>Estimated Start Date 7/1/2008</p> <p>Estimated Completion Date 6/30/2011</p> <p>Timeframe Description Services will be bid out for 2008 Erate filing for a three year contract.</p> <p>Person Responsible Adam Canterbury and Jody Tucker/District Tech Support Personnel</p> <p>Item 1 Estimated Budget Category Internet Access</p> <p>Item 1 Estimated Amount 11000</p> <p>Item 1: Source(s) of Funds</p> <ul style="list-style-type: none"> • BOE General Funds • Erate <p>Item 2 Estimated Budget Category</p> <p>Item 2 Estimated Amount 0</p> <p>Source(s) of Funds Item 2</p> <p>Item 3 Estimated Budget Category</p> <p>Item 3 Estimated Amount 0</p> <p>Source(s) of Funds Item 3</p> <p>Unlisted Category Item 4</p> <p>Estimated Amount Item 4 0</p> <p>Source(s) of Funds Item 4</p> <p>Indicate E-Rate Relationship Will be applied for in FY2008-2009; Will be applied for in FY2009-2010; Will be applied for in FY2010-2011; Will be applied for in FY2011-2012; Will be applied for in FY2012-2013</p> <p>Goal 4 Objectives 2</p>
<p>Email Services</p> <p>Description A web-based application that allows employees to compose, send, store, and receive messages over electronic communication systems.</p> <p>Total Estimated Cost \$18,000</p> <p>Estimated Start Date 8/1/2007</p>	<p>Alabama SuperComputer Authority--Internet Service</p> <p>Description The Internet is a worldwide, publicly accessible series of interconnected computer networks that allows students and teachers to take advantage of unlimited resources outside of our district, state, or nation.</p> <p>Total Estimated Cost \$0</p>

E-Rate Information for Funding Year 2009-2010

Covering July 1, 2009 through June 30, 2010

E-Rate Related Action Steps FY2009-2010						
ID	Description	Total Goal Estimated Cost	Goal 1	Goal 2	Goal 3	Goal 4
160	Edline's web hosting and portal solution is built with the latest technology to deliver the functionality, reliability, and performance that schools require. The state-of-the-art hosting, connectivity, and infrastructure are the best at making those critical connections between our schools, students, parents, and community members.	\$7,400.00	Yes	Yes	No	Yes
1025	Total Traffic Control is a comprehensive security solution developed specifically to protect K-12 networks. Extensive and comprehensive reports on all network traffic, desktop applications, and installed hardware provide an unparalleled view of our network. Literally, with a few clicks of a mouse, we will stop undesired web downloads, ban specific applications from running on the network, create virus signatures or perform hundreds of other actions. We will be able to manage all of this functionality from an easy-to-use administration console or web browser.	\$11,000.00	Yes	Yes	No	Yes
1029	A web-based application that allows employees to compose, send, store, and receive messages over electronic communication systems.	\$18,000.00	Yes	No	No	Yes
1037	The Internet is a worldwide, publicly accessible series of interconnected computer networks that allows students and teachers to take advantage of unlimited resources outside of our district, state, or nation.	\$0.00	Yes	Yes	No	Yes
1040	Provides additional bandwidth for optimized Internet accessibility.	\$32,400.00	Yes	Yes	No	Yes
1053	Provides local and long distance telephone services to each of our school and central office locations.	\$33,843.84	Yes	No	No	No
1062	Provide wireless internet access throughout each school via commercial grade wireless equipment. If funded, this will be the first of the 2-in-5 internal connection years.	\$226,000.00	Yes	Yes	No	No
1124	Server upgrades will promote improved information transfer, file storage, and district application demands	\$200,000.00	No	No	No	Yes

FY2009-2010 E-Rate Budget Detail

ID	Pre-Discount Amount Eligible for Discount	Enter expected discount %	Funding Commitment Request Amount	Total amount responsible	Note
160	\$7,400.00	71%	\$5,254	\$2,146	NA
1,025	\$11,000.00	71%	\$7,810	\$3,190	NA
1,029	\$18,000.00	71%	\$12,780	\$5,220	NA
1,037	\$0.00	71%	\$0	\$0	NA
1,040	\$32,400.00	71%	\$23,004	\$9,396	NA
1,053	\$33,843.44	71%	\$24,028.84	\$9,814.6	NA
1,062	\$63,000.00	71%	\$44,730	\$18,270	NA
1,124	\$50,000.00	71%	\$35,500	\$14,500	NA

E-Rate Consortium Participation**AREN**

Does your System or any school within your system participate in the AREN Consortium? Yes

Describe the services provided by the consortium: 10 Mbps of Internet bandwidth is provided via fiber from AREN and is filtered using the 8e6 content filter. AREN also hosts our email and web services.

Are these services discussed within other sections of you technology plan? Yes

In **Goal 1, Objectives 1-10** are supported by the Internet bandwidth and email services that are provided by AREN. These services make it possible for students and staff to integrate technology in their daily routines of teaching, learning, and leading while fostering communication between school and home. Students and staff have ample opportunity to interact with technology in order to assist in meeting national technology standards.

In **Goal 2, Objectives 1, 3, 4**, the Internet bandwidth coming into our schools is filtered so that students and staff have risk free web surfing experiences, which lead to opportunities for exploration and realization through a variety of lenses. Internet safety is critical to

If "Yes" then briefly describe

where the services provided are covered in this technology plan.

providing students a nurturing, supportive environment for learning and AREN strives to meet CIPA regulations.

In **Goal 3, Objective 1** provides for professional development opportunities whether onsite or online. AREN's web services allow teachers to participate in online professional development, which in turn improves the instruction and learning that takes place in our Fayette County Schools.

In **Goal 4, Objectives 1, 2, 3, 8** are supported through the bandwidth and content filtering provided through AREN. Our media centers and administrative offices are equipped to support learning, communication, and teaching which meet the goals of the Fayette County School District.

Modified 9/11/2007 11:40 PM

Technical/Instructional Technology Support

Systemwide
Describe the Instructional Technology Support provided:
Technology Instruction Support Persons (FTE):

We are in the planning stages of hiring a Instructional Technology Specialist for the district.

0

The Tech Support personnel ensure that the network operations are running at optimal levels so that all Fayette County employees can maintain their daily schedules and perform job requirements. They also provide technical support to schools on a regular basis so that all technology equipment will support teaching and learning. All technology purchases are conducted through our tech personnel as well as district-wide data management.

Describe the duties of the Technical Support personnel (briefly):

Technical Support 2

COMPUTER INVENTORY DATA

Computers in Schools													
School	Computers In Schools						Computers in Schools with High Speed Internet						
	Class-room	Lib	Labs	Other	Total	Admin	Class-room	Lib	labs	Other	Total	Admin	
Fayette County BOE	0	0	0	7	7	14	0	0	0	6	6	14	
Berry High School	20	7	49	0	76	5	20	7	49	0	76	5	
Berry Elementary School	52	6	30	0	88	5	33	6	30	0	69	5	
Hubbertville School	51	4	36	0	91	3	49	4	36	0	89	3	
Fayette County High School	52	7	30	1	90	8	52	7	30	1	90	8	
Fayette Middle School	41	8	77	0	126	5	41	8	77	0	126	5	
Fayette Elementary School	42	3	55	0	100	6	42	2	55	0	99	6	

Computer Ages			
School Name	0 thru 12 Months	13 thru 36 Months	37 thru 60 Months Modified
	Sum = 138	Sum = 218	Sum = 268
Fayette County BOE	17	16	0 11/30/2007 1:16 PM
Berry High School	24	23	34 4/12/2007 8:21 PM
Berry Elementary School	20	25	26 11/30/2007 1:19 PM
Hubbertville School	10	49	34 4/12/2007 8:21 PM
Fayette County High School	28	33	49 11/30/2007 1:16 PM
Fayette Middle School	30	52	49 4/12/2007 8:21 PM
Fayette Elementary School	9	20	76 11/30/2007 1:19 PM

Classroom with Computers											
School Name	Total Classrooms	0 Classroom Computer	1 Classroom Computer	2 Classroom Computers	3 Classroom Computers	4 Classroom Computers	5_or_more Classroom Computers	Total Admin Offices	1 Admin Office Computer	2 Admin Office Computers	3 or More Admin Office Computers

Count = 7	Sum = 172	Sum =	Sum = 139	Sum = 19	Sum = 7	Sum = 3	Sum = 4	Sum = 23	Sum = 14	Sum = 9	Sum = 0
Fayette County BOE	0		0	0	0	0	0	0	0	0	0
Berry High School	20		18	2	0	0	0	3	1	2	0
Berry Elementary School	21		7	7	2	3	2	3	1	2	0
Hubbertville School	28		17	6	5	0	0	3	2	1	0
Fayette County High School	25		23	1	0	0	1	5	3	2	0
Fayette Middle School	33		32	0	0	0	1	4	3	1	0
Fayette Elementary School	45		42	3	0	0	0	5	4	1	0

Handheld/Similar Computers			
School Name	HCS_Admin Offices	HCS_Classrooms	HCS_Other
	Sum = 2	Sum = 0	Sum = 1
Fayette County BOE	0	0	0
Berry High School	0	0	0
Berry Elementary School	0	0	1
Hubbertville School	1	0	0
Fayette County High School	0	0	0
Fayette Middle School	1	0	0
Fayette Elementary School	0	0	0

SDE- Technology Plan Status			
Status	Review Status	Date	SDE Staff
APPROVED	Level 2 Complete	4/8/2009 12:48 PM	Jerome Browning
NOT APPROVED	Level 1 Complete	12/1/2008 7:54 AM	Don Marchant
NOT APPROVED	Awaiting Level 1 Revisions	10/23/2008 10:07 AM	Don Marchant
NOT APPROVED	Signature Letter Received(2008)	10/7/2008 4:37 PM	Carolyn Mosley
NOT APPROVED	Level 1 Review in process (2008)	10/2/2008 1:34 PM	Don Marchant



Level 1 Complete indicates EETT and State requirements have been met.

