

Technology Plan

LEA Signature

Baldwin County

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Enhancing Education Through Technology (EETT) FY2009-2010

State of Alabama School Year 2009-2010 (October 1, 2009 - September 30, 2010)

Vision Statement

It is the vision of the educational community in the Baldwin County School District to leverage the unique powers of technology to equitably provide challenging, stimulating learning opportunities for students. We believe that seamless integration and equitable access to the most up-to-date tools and applications into the teaching and learning process will benefit students by equipping them with the knowledge and skills essential to success in 21st century life and work. As educators continue to create learning environments that offer access to a wealth of resources and enrichment opportunities, students will, in turn, be better prepared to become successful adults and herald in the next generation of great pioneers, inventors, and leaders. In order to accomplish this vision, district policymakers, school and community leaders, and teachers must all assume a role in achieving the goals and objectives outlined in the Baldwin County School District Technology Plan

Current Status and Future Plans

Infrastructure

As school begins for the 2009-2010 school year, all Baldwin County schools have a local area network (LAN) in place. Each typical classroom has drops for a minimum of five computers. All schools have at least one computer lab, with the majority of schools adding additional labs on an as needed basis. All school libraries and computer labs are connected to the school network for network and internet access. Portables are all also connected to the school network via either wired or wireless connections. Each school LAN has a logical separation between the administrative and student side of the network. The school networks include connectivity for the school office, cafeteria, library, computer labs, and classrooms. Every classroom (100%) in Baldwin County Public Schools contain at least two computers (one teacher, one student) connected to the Internet. Some schools are also using wireless connectivity via laptop carts or wireless access points located in various areas of the school. The speed of most school and non-instructional LANs is 10/100/1000. Thirty-three schools and all non-instructional facilities have been upgraded to Gigabyte speed to the desktop. As new schools are built or receive new updated switches, they will have appropriate equipment to run at gigabyte speeds. In the future all schools and non-instructional facilities will be able to utilize the faster speeds at the desktops for various district and local applications.

Connectivity

All schools are connected via a 1GB fiber to a telecommunications core switch site. Each core switch site is connected via a fiber ring on diverse runs back to the technology center. The bandwidth for each school has been throttled back to 100MB with the ability to take full advantage of the 1GB speed as the need increases. Internet connectivity of 45 MB is provided to the district via a fiber connection to the system's Internet Service Provider. The district is connected to Southern Light to provide Internet Access to the district. All schools have at least four servers to connect the administrative and student sides of the local area network. Dedicated servers are provided for STI applications, administration authentication, student authentication, and student applications. The servers are IBM X-servers with maximum age of five years. All have either Pentium Dual Core or Xeon processors with various amounts of RAM dependent upon the applications being run. Non-instructional facilities have a similar arrangement for servers. The technology center also has IBM X-servers and HP Proliant servers with the following functionalities: E-mail, Web SETS, DAISI, Library software, Textbook software, financial software, multiple database servers, and multiple domain controllers. A number of the technology center servers have been consolidated to three more robust servers utilizing VMware software. Currently there are 19 servers that have been consolidated using VMware. All switches are either Cisco enterprise grade with the majority running 1GB on the backbone trunks. All schools and non-instructional facilities have access to (2) centralized Storage Area Networks (SAN) for data storage and retrieval. Plans for the future include increasing the Internet bandwidth from 45 MB to the next appropriate speed, increasing the amount of storage on the SAN to house employee email in a centralized manner, and increasing the presence of VMware virtual technology to help with Disaster Recovery and cost containment needs.

Internet Access

Currently each school and non-instructional facility is connected via a fiber connection; primarily throttled to 100MB. Internet connectivity provided for the district is 25MB. Internet access for Baldwin County public schools is filtered through the Internet Service Provider (Southern Light) under the most restrictive policies available via Lightspeed Systems content filtering. These policies are reviewed on an ongoing basis to ensure content is being blocked according to CIPA guidelines. If a school feels a site should be blocked, a call or email to the technology office will result in the necessary action. In addition, a teacher may request that a site be unblocked. Once the instructional need is verified, technology personnel make the site available. The Baldwin County Internet Safety and Acceptable Use Policy is included with the Pupil Responsibilities and Conduct Standards publication. This publication informs parents that they may request that their children be given alternative activities that do not require the use of the Internet. Individual schools decide how they will designate or identify the students who have a signed request for alternative activities on file. Future plans include purchasing an addition content filtering box and multiple filtering services. The Alabama Super Computing Association provides Internet connection to the State Department of Education and for the Distance Learning ACCESS labs. The system provides student and teacher data via a T1 connection to the Alabama State Department of Education. The district communicates with parents using web technologies (STI Home), as well as, the system telephone service, which includes Voice over IP (VoIP).

Information Security

Each school LAN has a logical separation between the administrative and student side of the network to protect against any unauthorized access. Administrative and student sides of the networks have been upgraded to Server 2003 Enterprise for enhanced and increased performance and desktop security. All servers and workstations have the appropriate service pack(s) applied to further protection against threats. The district has employed the use of network group policies to lock down the desktop computers so they can only access the areas of the computer that are most needed. The district utilizes Symantec Corporate Edition antivirus throughout the system for instructional and administrative workstations. In addition to Symantec on the desktop, the district uses multiple antivirus products to scan email for viruses. The district also utilizes Cisco Works to manage network level security and uses various monitoring tools like DameWare and Lightspeed to monitor traffic on the network. Future plans are to implement additional security measures and add updated hardware on an as needed basis. The district backs up Central Office data to Sans to a Cobian back-up system.

Student Technology Available

Students attending school in Baldwin County have a variety of technologies available to them. Every classroom contains at least one computer connected to the Internet for student use and many classrooms contain more than one student computer. Several schools are also using wireless laptops to support instruction. Wireless connectivity enables the students to be mobile while they are addressing instructional objectives. Baldwin County plans to provide additional wireless connectivity for students during upcoming years. All Baldwin County public schools have at least one computer lab for students to use for educational purposes. All high schools have at least three labs including a resource lab available for teachers to schedule for student projects. Most middle schools have a minimum of two labs for educational purposes. Baldwin County has a (5) life cycle on all computers in the district and replace computers on a consistent basis based upon age and intended use. Laptops are replaced on a four year cycle. All laptops and computers are covered by warranties, which provide additional technical support for the district. Baldwin County is planning to add additional computer labs as needs are identified and space is available or wireless options can be implemented. In addition to the computer labs and classrooms, students also have access to computers in the libraries. Many school libraries not only contain Internet research stations, but many also have "public access" computers where students can work on projects when the resource lab is full. All student computers in classrooms can now access the library collection. Schools utilize a variety of printer configurations for different applications. Each school office has a minimum one network printer and one student network printer. Many schools have network printers for each wing while others have local printers in classrooms for teachers and students. Schools in Baldwin County have other types of technology available for student use. Most teachers and students are moving away from the use of floppy diskettes and replacing this storage device with flash drives or CD burners. All schools have at least one digital camera that students can use in documenting research or preparing projects. More than 1500 interactive whiteboards are in our schools and a number of other projection devices, such as e-beams LCD projectors with teacher slates, are also used in schools for instruction. Several schools have closed circuit television systems through which students share projects and presentations they have prepared using cameras, editing equipment, and computer hardware and software. Most of these schools broadcast to classrooms on a regular basis such things as morning announcements and other presentations of interest to the student body. Two schools, Newton elementary and Fairhope High Schools, have professional

quality television studios. Fairhope teaches a television production course that allows students to film plays, music performance, school projects, football games, etc. The Schools in Baldwin County are using appropriate assistive technology devices and software to help special needs children learn. These devices include Intellikeys, Intellitalk, text-to-speech readers, and talking dictionaries, and devices that will allow the projection of information in large format interactive whiteboards. Schools also have access to EduTest, which is an online assessment correlated to the Alabama Courses of Study. All schools have the capability of using the free resources provided by Alabama Public Television (APT), Digital Curriculum. Students in many classrooms have access to their curriculum 24/7 through Moodle, a Learning Management System. In addition, students use Moodle to communicate with teachers and fellow students, submit assignments, and work collaboratively with other students on projects. In 18 elementary and 2 middle school classrooms, students are taught by eMINTS teachers in classrooms with 1 computer per 2 students, an interactive whiteboard, a LCD projector, digital camera, a color and black and white networked printer, and additional instructional software. The eMINTS teachers use teaching strategies supported by technology learned during 230 hours of professional development over a two year period.

Technology and Curriculum Integration

Enhancing Education Through Technology (EETT) grants have been used to train a cadre of 235 classroom teachers (School Technology Mentors-STMs) to serve as role models/mentors for integrating technology into the curriculum. With the reduction in our technology budget, the number of has been reduced to 146 teachers. STMs share resources and work with other classroom teachers to implement the new K-12 Alabama Technology Course of Study. During 2008-09 and continuing into this year, STM served on committees led by curriculum and supported by Instructional Technology to re-write local curriculum guides to include technology COS standards in subject curriculum guides. Teachers in Baldwin County are using a variety of software packages and resources. Some of the most prevalent software includes Microsoft Office and Works, Reading Natural, Accelerated Reader, Inspiration, Kidspiration, and others. Websites such as the Alabama Virtual Library are used by many teachers to prepare lesson plans and for student research. The Alabama Learning Exchange and the eMINTS eThemes are also being used by teachers to locate lesson plans and courses of study. Many teachers are using digital cameras and scanners in their classroom activities. Many teachers also include preparation of multimedia projects using presentation software in their instructional programs. These projects are often multi-disciplinary and allow students to work in teams or collaborative groups. Web Quests and Internet scavenger hunts are also frequently created by teachers for use in instruction. Twenty eMINTS classrooms allow teachers to make inquiry-based assignments that require students to use technology (described in previous segment) to communicate and collaborate in the process of completing their assignment.

During the 2009-10 school year, Instructional Technology has identified the Digital Citizenship strand of the COS as our focus. A district-wide license for iSafe has been purchased and all STMs will be trained to use the resource in September and October. STMs will be required to provide a workshop on iSafe and Digital Citizenship for all core subject teachers and guidance counselors.

The district has been awarded a Distance Learning ACCESS lab for all high schools. The district currently uses Adobe Connect and Moodle to support distance learning and professional development for teachers and students. These two tools have provided opportunities for teachers and students to collaborate on instruction 24/7. We have seen a real increase in the number of teachers who make their assignments available to students through Moodle. Most teachers maintain a website with student assignments to increase communication among each other and between themselves and parents and students.

AYP & Educational Technology

- Foley HS due to their Special Education Subgroup in reading: 60.71% proficiency (AMO 86) Proficiency Index-25.29; graduation rate for this subgroup is 73.91% to 94.64% for all students.
- Daphne HS (not included in this project) due to their African American and Free and Reduced National School Lunch Participants Subgroups in reading: African American Subgroup 75% proficiency (AMO 86) Proficiency Index 11; F/R Subgroup 69.57% proficiency (AMO 86) Proficiency Index 16.43; graduation rate for these subgroups is 91.67% for African Americans and 93.67% for Free/Reduced to 95.08% for all students

According to research, technology engages students in learning, improves attendance, decreases drop-out rates, increases graduation rates and facilitates parental involvement. All schools are provided with a variety of online resources, such as United Streaming and activities funded through the EETT grants. The system adopted textbook series for reading and math includes a fully integrated online component, which helps to create effective, individualized learning environments for all students. Teachers receive high quality, sustained, job embedded professional development, which helps to improve their classroom practices. Data analysis, a common task for all teachers and administrators, is improved through the use of technology such as TestTrax/Quiztrax. However, as of September 30, 2009, testTrax will no longer be available due to budget cuts. The SDE Data Warehouse will be used to provide assessment data to guide teaching and remediation. This practice will help insure that all educational stakeholders are implementing strategies critical for individual student success. Technology available in this school helps at-risk high school students stay in school, earn credit for failed courses and pass competency exams to graduate. Interactive software programs assess students' skills and personalize learning to fill in skill gaps in required courses. Quality staff development ensures that all educators are highly knowledgeable, skilled and capable of effectively using technology tools. Teaching strategies supported by technology supports the efforts to meet AYP school-wide and system wide.

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.

Our Interpretation

All Baldwin County students, teachers, and administrators will effectively use technology as an integrated tool for teaching, leading, and learning to master local, state, and national standards. The school district interprets Goal 1 to mean the following:

- how and for what purpose technology is integrated into the learning environment
- how technology use supports the mastery of standards (both the Technology COS and other curriculum areas)?
- how teachers and administrators use technology for productivity and communication.

Ideal Performance

When we have achieved Goal 1 we will see the following in our district:

See attachment District Technology Plan Rubrics-Goal 1 Level 4 or below

Technology use is transparent and seamless in teaching, learning and leading. Technology has become an integral part of how the classroom and workplace functions, with the use of technology resources supporting the mastery of all local, state, and national standards and 21st Century Skills, including collaborative work and communication, problem solving, critical thinking skills, and technology literacy. All software uses have been mapped to the local, state, and national standards.

All Baldwin County students have mastered the Technology Literacy Content Standards found in Alabama's Technology Course of Study by the designated grade levels and are consistently using these skills to select appropriate emerging and current technology tools to engage in classroom activities that provide experiences that prepare students for the world outside of school. All students are engaged in inquiry-based curriculum projects that require critical thinking, goal setting, problem solving and collaborative and communication skills.

All BCBE teachers and administrators model the use of technology on a daily basis for administrative and productivity purposes. Technology is used regularly by teachers and administrators for data driven instructional planning, professional development and communication both within and outside the district. All teachers and administrators are trained in a full range of technology uses and in the determination of their appropriate roles and applications.

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

IMPACT survey, Secondary Principal Focus Group, Elementary Focus Group, Principal Interviews, School Technology Coordinator Interviews, staff development evaluations, student surveys, classroom observations. Individual school plans and meetings with School Technology Coordinators, who provide input on professional development.

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

Goal 1

Technology Integration and Mastery of Standards

Below are the recommendations that were developed during the 2006-07 Pioneer Technology Planning Pilot. Progress is indicated following the 2007-08 date under each recommendation:

- Establish a clear vision for effective technology integration. The evaluation rubric establishes a clear vision for how technology is to positively impact teaching and learning. This vision must be articulated for teachers and administrators across the district.
 - o **2008-09:** IT services continues to use School Technology Mentors and School Technology Coordinators (not employed full-time in these position-receive small stipend) to communicate the district technology vision to teachers and administrators.
 - o 2007-08: The Pioneer Technology Planning Committee established a clear vision for the use of technology for the school district. The vision was articulated to the schools and the community in the following ways: posted to the school district website; shared with teachers during technology workshops; required that schools develop technology plans based on the district vision.
- Implement Technology Course of Study-Provide leadership and coordination to ensure that all schools implement the K-12 Alabama Course of Study: Technology Education and ensure that the standards listed in this course of study are integrated into all content courses of study.
 - o **2008-09:** Since 2007, our professional development emphasis has been to prepare teachers to implement the new Technology COS. Results from the IMPACT survey indicate that we have made good progress-but will still need to work in this area. We saw increases in the following areas: Frequency of student use of technology once a week or daily for the following: research-increase 12.57%; inquiry-increase 15.09%; exploration increase 15.11%; communication-increase 15.11% and collaboration increase 13.49%; at least once a month to daily students use technology for 1) presentation in class-increase 9.06%; data capture equipment-increase 7.59%; explore and analyze data using databanks and spreadsheets-increase 9.08%. In 2009-10, our professional development efforts will be concentrated on the Digital Citizen strand. IT service has subscribed to iSafe and will train 146 STM in the fall. They will during 2009-10 provide workshops on iSAFe and the Digital Citizenship in the Technology COS to all teachers at their schools.
 - o 2007-08: Instructional Technology staff members met with Curriculum and Instruction supervisors to plan implementation of the K-12 Alabama Course of Study: Technology Education. Ten workshops to provide training on the K-12 Alabama Course of Study: Technology Education were planned for School Technology Coaches and Mentors for the 2008 fall. The workshops have been scheduled for September and October 2008 and will train 228 STMs and 47 STCs, who will serve as train the trainers to provide training on the technology course of study for the remaining teachers on their school staffs.
 - Tie together existing initiatives-Develop a plan to consolidate and narrow the number of technology programs that support various curriculum initiatives.

- o **2008-09:** Continuing our efforts
- o 2007-08: IT Director met with Director of Curriculum and other curriculum staff members to discuss the need to consolidate and narrow the number of technology programs that support various curriculum initiatives; however, much work is needed in this area.
 - Provide School Technology Coaches (certified teachers) per school to provide peer mentoring, coaching, and job-embedded technology professional development to teachers.
- o **2008-09:** With the tremendous budget cuts which forced elimination of more than 200 positions, with another 200 pending, we were happy that the district continues to support the two full-time School Technology Coaches.
- o 2007-08: One additional School Technology Coach (STC) was added in 2007-08; however, no additional STCs were added for 2008-09. IT continues to collect data from both schools that clearly demonstrates an increased use of technology by students and teachers. This data has been shared with the Superintendent and the BCS Board. One positive note: in a year when many teacher positions were cut, the two STC positions were not even discussed as possible cuts.
 - Map technology standards to curriculum standards by subject and grade level.
 - o **2008-09:** Worked with elementary supervisors to develop teams of teachers to provide integration of technology standards into curriculum guides. The committee used Moodle to host the project.
 - o 2007-08: IT has held initial planning meetings with curriculum supervisors. Meetings to ensure that the district moves toward 100% implementation of this recommendation is scheduled for 2008-09.
 - Encourage faculty meetings to discuss research-based technologies and to develop inquiry-based project that fully use technology.
 - o 2007-08: School Technology Mentors were provided funds for substitutes and stipends to allow them to meet with teachers to discuss research-based technologies and to develop inquiry-based project that fully use technology
 - Require teachers to demonstrate their expanding knowledge of technology integration by facilitating learning activities in which students use technology for productivity, research, communication, and/or problem solving.

2008-09: See last column for increase in use of technology

During your class time, how often do your students use computers to support

	Never	Once or twice a year	About every other month	At least once a month	About once a week	More than once a week	Daily	Increase
Research?	10.34%	16.35%	9.90%	17.04%	14.54%	11.03%	10.59%	12.57%
Inquiry?	7.64%	10.65%	9.27%	14.97%	19.05%	14.91%	14.91%	15.09%
Exploration?	7.27%	9.09%	7.77%	15.73%	18.73%	16.48%	17.48%	15.11%
Communication?	27.82%	8.58%	5.51%	9.71%	9.84%	7.83%	16.67%	15.11%
Collaboration?	22.06%	11.15%	6.64%	12.72%	10.96%	10.28%	12.78%	13.49%

2008-09:How often do you use the following technologies to teach your students? Never Once or twice a year About every other month At least once a month About once a week More than once a week Daily Increase

Digital projector	17.36%	4.70%	4.14%	6.14%	7.39%	13.78%	38.47%	23.84%
Presentations programs	11.84%	9.46%	7.08%	11.09%	11.34%	16.10%	27.19%	21.29%
Internet resources	3.45%	6.39%	6.33%	10.03%	14.60%	21.24%	33.77%	19.80%
Spreadsheets and databases	33.96%	13.53%	8.65%	11.84%	7.21%	5.83%	6.52%	13.22%
Word processing programs	13.60%	7.52%	6.08%	9.65%	12.47%	16.35%	26.38%	11.99%
Graphics programs	24.56%	9.59%	6.33%	11.09%	9.52%	12.97%	14.04%	14.01%

o 2007-08: Teachers' responses on the 2007-08 IMPACT Survey in the following areas indicates that teachers demonstrated their expanded knowledge of technology integration:

- Ensure that teacher and administrators are aware of free web-based resources that are available.
- o 2007-2008: IT published lists of free web-based resources on the district Instructional Technology website. In addition, 235 School Technology Mentors received training in fall 2007 on the availability of free web-based resources. STM were paid a stipend to provide similar training to all schools on their faculties (funded by EETT).
- Continue training teachers to use Moodle to communicate with student (email, blogs, forums, etc.).
- o **2008-09:** The eMINTS classes (20 teachers grades 3-8) use Moodle to lists student assignments; students and parents have 24/7 access; and students submit assignments, maintain journals, and hold discussions. eMINTS teachers (funded by EETT) and IT Facilitators provided workshops this summer on Web 2.0—concentrating on Moodle.
- o **2008-09:** IT continued to provide online courses, face-to-face, one-on-one, and two 2-day Moodle boot camps for Baldwin teachers (funded byEETT) .
- o 2007-08: IT provided online courses, face-to-face, one-on-one, and two 2-day moodle boot camps for Baldwin teachers (funded byEETT) .
 - Increase the availability of presentation equipment for students and teachers
 - LCD projectors—2008-09 count 844
 - Interactive whiteboards—2008-09 count 1567; 2007-08
 - Document cameras--2007-08 Count at the end of year:

Goal 1 Objectives

- 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 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.

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

Title:	Support Internet Access
Description:	Improve Internet access by upgrading Internal Connections, such as local area networks for schools by purchasing and installing switches, servers and uninterrupted power supplies. Provide professional development to support the use of Internet resources access via using the purchased technologies.
Total Estimated Cost:	\$156,920.00
Estimated Start Date:	7/1/2009 Estimated Completion Date: 6/30/2011
Timeframe Description:	July 1, 2009-June 30, 2011: install servers in 15 schools; switches in 6
Person Responsible:	Network Manager/IT Director
Item 1 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 1 Estimated Amount:	\$127,000.00
Item 1: Source(s) of Funds:	Local school district funds--IT Services budget Instu. Computer Hardware/Networking Capital 11-5-1100-545-8640-6001-0-8100-xxxx
Item 2 Estimated Budget Category:	Professional Development
Item 2 Estimated Amount:	\$29,920.00
Source(s) of Funds Item 2:	IT Services In-Service budget 11-5-2215-180-8640-6001-0-8220-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Goal 1 Objectives:	1.1,1.2,1.3,1.5,1.6,1.7,1.9, 1.10
Private School(s):	
ID:	1422
Title:	Web Hosting
Description:	Lease services to host the district/school websites to to support the creation and maintenance of websites as vehicles for communicating to parents, the community and extending school resources to students outside the school day. Provide professional development to teachers and administrators to increase the use of websites as communication tools with parents, other teachers and administrators, students and other community members.
Total Estimated Cost:	\$154,320.00
Estimated Start Date:	6/1/2009 Estimated Completion Date: 6/30/2011
Timeframe Description:	Annual list web-hosting services.
Person Responsible:	Workshops scheduled throughout the year, including online and face-to-face. IT Director
Item 1 Estimated Budget Category:	Internet Access
Item 1 Estimated Amount:	\$87,600.00
Item 1: Source(s) of Funds:	Local school district funds--IT Services budget C.O. TECHNOLOGY SERV. OTHER PURCHASED SERV. 11-5-6540-399-8640-6001-0-8640-8643
Item 2 Estimated Budget Category:	Professional Development
Item 2 Estimated Amount:	\$66,720.00
Source(s) of Funds Item 2:	IT Services In-Service Budget Substitutes: 11-5-2215-180-8640-6001-0-8220-xxxx and Stipends: 11-5-2215-192-8640-6001-0-8220-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Goal 1 Objectives:	11.1, 1.2, 1.3, 1.4,1.6, 1.8, 1.9

Private School(s):	No
ID:	1426
Title:	Internet Access Supported by WAN Services
Description:	Continue leasing wide area network services and Internet Access, which include required Internet security tools, to provide sufficient bandwidth to support the learning, communication and administrative goals of the district and to allow Internet access to support teaching and learning. In addition, as a partner in the AREN Consortium, the district receives 10 mg. (expandable to 20 mg., if needed) of Internet Access to ensure sufficient bandwidth to allow Baldwin County students and teachers to participate in the ACCESS Distance Learning Program.
Total Estimated Cost:	\$1,021,423.80
Estimated Start Date:	6/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	Annually lease wide area network and Internet services Item 3: 2009-10--includes connections for ACCESS labs provided via Alabama Supercomputing Network for E-rate year 2010-2011
Person Responsible:	Network Manager/IT Director
Item 1 Estimated Budget Category:	Internet Access
Item 1 Estimated Amount:	\$837,802.80
Item 1: Source(s) of Funds:	IT Services budget 11-5-1100-xxx-8640-6001-8100-xxxx
Item 3 Estimated Budget Category:	Internet Access
Item 3 Estimated Amount:	183621
Source(s) of Funds Item 3:	IT Services Budget 11-5-1100-362-8640-6001-8100-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Goal 1 Objectives:	1.1,1.2,1.9,
Private School(s):	No
ID:	1431
Title:	Support Communication with Students and Parents
Description:	Purchase telecommunication services (local, long distance, and cellular) to support communication with parents, students, teachers, and administrators.
Total Estimated Cost:	\$766,257.00
Estimated Start Date:	7/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	Annually leased telecommunciations services for E-rate year 2010-2011
Person Responsible:	Business Operations Manager
Item 1 Estimated Budget Category:	Telecommunications
Item 1 Estimated Amount:	\$766,257.00
Item 1: Source(s) of Funds:	Local school district funds= 11-5-3200-361-CCTR-6001-0-8320-xxxx 11-5-3100-369-CCTR-6001-0-8310-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Goal 1 Objectives:	1.8
Private School(s):	
ID:	1437
Title:	Support Internet Access 09-10
Description:	Improve Internet access by upgrading Internal Connections, such as local area networks for schools by purchasing and installing switches, servers and uninterrupted power supplies.
Total Estimated Cost:	\$100,000.00
Estimated Start Date:	7/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	payment on borrowed sum
Person Responsible:	IT Network Manager/IT Director
Item 1 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 1 Estimated Amount:	\$100,000.00
Item 1: Source(s) of Funds:	Local school district funds Instru. Computer Jarware/Networking Capital 11-5-1100-545-xxxx-6001-0-8100-xxxxand 14-5-1100-495-xxxx-9115-0-1200-xxxx (Qzab funds)
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	

Goal 1 Objectives:	1.1,1.2,1.3,1.5,1.6,1.7,1.9,1.10
Private School(s):	
ID:	1442
Title:	Expand Educational Opportunities
Description:	Provide technical support for the use of advanced technology incorporated into the curricula to develop and enhance information literacy, information retrieval, and critical thinking skills of students through access to library media centers and library media programs and other instructional programs.
Total Estimated Cost:	\$290,268.00
Estimated Start Date:	7/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	2009 and ongoing
Person Responsible:	IT Network Manager/IT Coordinator
Item 1 Estimated Budget Category:	Professional Development
Item 1 Estimated Amount:	\$64,805.00
Item 1: Source(s) of Funds:	IT Services In-service funds 11-5-2215-180-8640-6001-0-8220-xxxx
Item 2 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 2 Estimated Amount:	\$225,463.00
Source(s) of Funds Item 2:	IT Services district budget Instr. Non-cap. Computer Hardware 11-5-1100-495-8640-6001-0-8100-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Goal 1 Objectives:	1.1,1.2,1.5
Private School(s):	Yes
Private School Inventory and/or Services:	<div>May attend workshops</div>
ID:	1454
Title:	Course of Study
Description:	Support Instructional Division's effort to map instructional technologies to specific content standards.
Total Estimated Cost:	\$69,321.00
Estimated Start Date:	6/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	2009-10 Provide training on the implementation of the K-12 Alabama Technology Course of Study during the 2009 Fall STM Workshops. Members of the STM group will provide input to curriculum and instruction supervisors as they map instructional technology to specific content standards. 2009-10: Provide stipends to STMs to provide training on ISafe, a new district resource to support Digital Citizen/Use of Internet in the Technology COS. STMs will provide trianing to remaining teachers at school. STM will serve on committees to link COS standard to curriculum standards.
Person Responsible:	Director of Instruction/IT Coordinator
Item 1 Estimated Budget Category:	Stipend
Item 1 Estimated Amount:	\$49,321.00
Item 1: Source(s) of Funds:	EETT Formula 2009-10
Item 2 Estimated Budget Category:	Substitute (Cost for Professional Development)
Item 2 Estimated Amount:	\$20,000.00
Source(s) of Funds Item 2:	In-Service budget for Instructional Technology 11-5-2215-180-xxxx-6001-0-8220-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Goal 1 Objectives:	1.1,1.2,1.4,1.5,1.6,1.9
Private School(s):	Yes
Private School Inventory and/or Services:	<div>Private school teachers may attend all workshops adn receives funds from EETT Formula</div>
ID:	1659

Title:	Emerging Technologies
Description:	Provide technology that will allow students to make use of real-world applications of technology; apply technology to inquiry-based projects; and learn and use skills necessary for participation in the global community.
Total Estimated Cost:	\$236,656.00
Estimated Start Date:	7/1/2009 Estimated Completion Date: 6/30/2011
Timeframe Description:	June 2007-August 2008 Purchase LCD projectors, Interactive whiteboards, laptops, and digital cameras; Oct., 2008-Sept., 2009: purchase the following technologies for 12 classrooms to support the implementation of the eMINTS program: one computer per two students, LCD projectors, interactive whiteboard, digital cameras, printers, copiers. 2009-10: purchase the following technologies for 4 classrooms to support the implementation of the eMINTS program: one laptop per two students, LCD projectors, interactive whiteboard, digital cameras, printers, copiers. 2009-10: purchase the following technologies for 8 classrooms to support the implementation of the eMINTS program: one laptop per two students, LCD projectors, interactive whiteboard, digital cameras, printers, copiers. 2009-10: purchase laptops and other technologies for integration of technology and supporting technology COS.
Person Responsible:	IT Coordinator
Item 1 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 1 Estimated Amount:	\$175,000.00
Item 1: Source(s) of Funds:	2007-EETT Competitive Grant 2007-EETT Formula Grant In-service Funds APSCE Fund--Incentive Grant 2008 EETT ARRA Competitive 09-10-if awarded
Item 2 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 2 Estimated Amount:	\$61,656.00
Source(s) of Funds Item 2:	EETT Competitive 2008 and Carryover for 2008-09
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	175000
Goal 1 Objectives:	1.2, 1.1,
Private School(s):	Yes
Private School Inventory and/or Services:	<div>Private schools will purchase emerging technologies to support integration into classrooms.</div>
ID:	1665
Title:	Technology Course of Study
Description:	Provide leadership and coordination to ensure that schools implement the Technology Course of Study content standards in all content areas.
Total Estimated Cost:	\$0.00
Estimated Start Date:	7/1/2009 Estimated Completion Date: 6/30/2011
Timeframe Description:	Support Curriculum and Instructions as they work with committees to write activities that teach the tech. standards for subject area curriculum guides. Instructional Technology will facilitate the use of Moodle
Person Responsible:	IT Coordinator
Item 1 Estimated Budget Category:	Professional Development
Item 1 Estimated Amount:	\$0.00
Item 1: Source(s) of Funds:	no-expense
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Goal 1 Objectives:	1.1
Private School(s):	
ID:	1671

Title: Use of ALEX to Teach Standards
Description: Promote the use of Alabama Learning Exchange (ALEX) to support the teaching of standards in the Alabama Technology Course of Study, specifically student use of technology to collect, analyze, and display data.
Total Estimated Cost: \$11,500.00
Estimated Start Date: 7/1/2009 **Estimated Completion Date:** 6/30/2011
Timeframe Description: 2007-2008- Provide update on changes to the ALEX website
 Summer 2008-work with Instruction to include ALEX resources in district curriculum writing.
 2009-10: provide training to 146 STM on use of ALEX to support tech. COS and other courses of study
Person Responsible: IT Coordinator
Item 1 Estimated Budget Category: Professional Development
Item 1 Estimated Amount: \$11,500.00
Item 1: Source(s) of Funds: District In-service
 11-5-2215-180-xxxx-6001-0-8100-xxxx
ARRA-09 Formula Funds:
ARRA-09 Competitive Funds:
Goal 1 Objectives: 1.1
Private School(s):
ID: 1674

Title: Technology Integration
Description: Provide technical assistance and guidance to increase/enhance communication among the Central Office, school personnel, students and community members.
Total Estimated Cost: \$0.00
Estimated Start Date: 6/1/2007 **Estimated Completion Date:** 6/30/2012
Timeframe Description: 2007-ongoing train teachers to develop and maintain website; disseminate information to the public about NotifyMe; continue to provide information to parents concerning STIHome.
Person Responsible: IT Coordinator/IT Director
Item 1 Estimated Budget Category: Personnel
Item 1 Estimated Amount: \$0.00
Item 1: Source(s) of Funds: Current staff
ARRA-09 Formula Funds:
ARRA-09 Competitive Funds:
Goal 1 Objectives: 1.8
Private School(s):
ID: 1677

Title: Consolidation of Data Sources
Description: Investigate the possibility of the consolidation of the various databases currently providing schools with assessment data.
Total Estimated Cost: \$30,000.00
Estimated Start Date: 6/1/2007 **Estimated Completion Date:** 6/30/2012
Timeframe Description: 2008-09-compare the current assessment databases with products that can combine all assessment data and produce reports required of current databases
Person Responsible: Superintendent Leadership TEam
Item 1 Estimated Budget Category: Professional Services Contracts
Item 1 Estimated Amount: \$30,000.00
Item 1: Source(s) of Funds: District funds
ARRA-09 Formula Funds:
ARRA-09 Competitive Funds:
Goal 1 Objectives: 1.7,1.10
Private School(s):
ID: 1679

Title:	On-going Professional Development through eMINTS
Description:	Provide high quality professional development to integrate technology into curriculum and instruction.
Total Estimated Cost:	\$371,297.00
Estimated Start Date:	10/1/2009
Timeframe Description:	Estimated Completion Date: 9/30/2011 eMINTS: stipends for 232 hours of professional development over a 2 yr. period--training for 21 teachers funded and another 4 if ARRA EETT competitive is awarded; stipends for summer conference attendance for teachers Equipment to be purchased in 2009-10
Person Responsible:	IT Coordinator
Item 1 Estimated Budget Category:	Stipend
Item 1 Estimated Amount:	\$111,792.75
Item 1: Source(s) of Funds:	ARRA EETT Formula ARRA EETT Competitive 2009-10 if awarded
Item 2 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 2 Estimated Amount:	\$259,504.25
Source(s) of Funds Item 2:	EETT ARRA Formula 2009-2011 EETT ARRA Competitive if awarded 2009-2011
ARRA-09 Formula Funds:	121297
ARRA-09 Competitive Funds:	250000
Goal 1 Objectives:	1.1,1.2,1.3,1.4,1.5,1.6, 1.8,1.10
Private School(s):	Yes
Private School Inventory and/or Services:	<div>Private school teachers may participate in professional development using money for materials and supplies, stipends, or travel.</div>
ID:	3046

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.

Our Interpretation

All Alabama students, teachers, 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:

All students, teachers, and administrators benefit from technology tools such as digital content, digital instruction, and new models of digitized assessment that focus on improving student learning. Secondary students will have access to a blended model of distance learning (blended will include both online and video). Teachers, students and administrators are consistently able to select technology tools to help them obtain information in a timely manner, analyze and synthesize the information and present it professionally. There is compelling evidence that the BCBE School District uses technology-related structures and processes to engage parents, community members, school board members, administrators, school faculties, and students in meaningful communication. All community members use existing district networks and communication systems to facilitate communication with school personnel regarding their students' academic progress, assessment results, attendance, and support resources.

DATA SOURCES: We will use the following data source(s) to monitor performance. Goal 2

Data Sources

2008-09 Data sources for Upgrade of plan: 47 school technology plans; inventories from each school; input from School Technology Coordinators during September 3, 2009, meeting; IMPACT surveys for teachers and administrators.

Data Collections: **2007-** Activities Administrators Teachers Students Building/Other

Evaluation Team Activities Data Source: **IMPACT Survey**

-size:

-method: Electronic survey administered via the Internet

Data Source: **Focus groups**

-size: Two groups of 6 to 8 administrators

-methods: Technology Facilitators met with 2 groups of administrators for 60 – 90 minutes. Initial questions were asked of each group followed by additional questions to clarify and expand on participants' responses. Participants were selected and discussions were conducted in accordance with focus group guidelines from Sun & Associates.

Data Source: **Interviews**

-size: Four administrators

-methods: Technology Facilitators interviewed four administrators using a pre-determined list of questions. Participants were randomly selected and the interviews were conducted in accordance with guidelines provided by Sun & Associates. Data Source: **IMPACT Survey**

-size: 1,607 teachers

-method: Electronic survey administered via the Internet

Data Source: **Focus groups**

-size:

-methods: The IT Coordinator met with 4 groups of teachers for 60 to 90 minutes. Initial questions were asked of each group followed by additional questions to clarify and expand on participants responses. Participants were selected and discussions were conducted in accordance with focus group guidelines from Sun & Associates.

Data Source: **STC Pilot Survey**

-size: 44

-methods: Electronic survey administered via the Internet to teachers at the STC Pilot school

Data Source: **Teacher Technology Skills Checklist**

-size: 44

-methods: Self evaluation of technology skills completed by teachers at STC Pilot school

Data Source: **STC Pilot Survey**

-size: 527

-methods: Electronic survey administered via the Internet to teachers at the STC Pilot school

Data Source: **Availability of student assessment reports**

-size: All students

-methods: Test Trax and Edutest provide teachers with access to all student assessment data

Data Source: **STC Observation**

-size: 90 +/-

-methods: Classroom lessons were observed in the STC Pilot School on three separate occasions to assess classroom technology integration using the DTA Classroom Observation Form

Other Data Gathering Activities Data Source: Monitoring Data

-methods: SDE Monitoring reports were reviewed Data source: **Inventory**

-size: all 47 schools

-method: The STC at each school completed the SDE technology inventory and additional school district inventory items

Data Source: **E-rate Data**

-size: \$4.9 million

-methods: BCBE applies annually for discounts and grant money

WHERE WE STAND: We have made progress toward achieving Goal 2 in the following ways.

Below are the recommendations that were developed during the 2006-07 Pioneer Technology Planning Pilot. Progress is indicated under each recommendation:

- Develop a district-wide initiative to ensure availability of administrative and instructional web-based resources for teachers and administrators from home.
- o **2008-09:** STI Now will increase opportunities—scheduled in phase III
- ***2008-09: installed media server to allow teachers to record and post short videos of lessons; installed a larger Moodle server to allow teachers to post student assignments available the web--teachers share access to other teachers; Fairhope Elementary has developed a web-portal to share standards-based lessons and resources with teachers in the state; provide professional development via Adobe Connect--live and recorded.**
- o 2007-08: minimal action taken
- Provide adequate server and storage space to accommodate emerging technologies.
- ***2008-09: no change**
- o 2007-08: a new server was added to accommodate the district-wide use of moodle for online learning for teachers and students
- Increase district-level technical staff as needed to support the increase usage of technology and web-based resources.
- o **2008-09:** no action
- o 2007-08: no action taken
- Purchase and install LCD projectors for every classroom.

- o **2008-09:** district now reports 844, including 20 purchased for eMINTS classrooms (EETT funds)
- o 2007-08: LCD projectors were purchased and installed in all classrooms in four new schools; one district technical staff was trained to install LCD projectors; school state teacher technology funds were used by many schools to added LCD projectors.
 - Provide interactive whiteboards or interactive slates in classrooms of teachers who attend training to learn to successfully integrate the technology into the curriculum.
- o **2008-09:** district now has 1567
- o 2007-08: EETT funds were used to provide the following technology training for teachers: Intel: Teaching Thinking with Technology, Classroom Connect Mentoring Workshops, and eMINTS Comprehensive Professional Development. These workshops including training on using interactive whiteboards to support teaching. Teachers attending training received interactive whiteboards.
 - Support the installation of distance learning labs in all high schools.
- o **2008-09:** all high schools have ACCESS labs.
- o 2007-08: SDE ACCESS Distance Learning Labs have been installed in two high schools. In addition to the \$90,000-\$85,000 provide by the SDE ACCESS program, the district provided upgrades to the facilities (wiring, electrical upgrades, painting, furniture, etc.) and provided an additional \$3,000-\$5,000 dollars to provide adequate equipment. The district also hosted an ACCESS training for teachers and facilitators.
 - Provide current information on emerging technologies to teachers and administrators.
- o **2008-09:** Funds from EETT Competitive and Formula were used to purchase digital cameras, LCD projectors, interactive whiteboards, NetBooks, laptops computers, teacher slates, digital video cameras, MP3 players, etc. Attendance at professional development or online courses were required of all teachers receiving technology.
- o 2007-08: IT Services provided through EETT and district in-service funds technology professional development on new and innovative technologies, such as using moodle for online teaching of teachers and students; using Connect to provide real time and recorded training; providing face-to-face training to 235 STMs, who share that information with teachers at their schools.

Goal 2 Objectives

- 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.

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

Title:	Foster Innovative Use of Technology
Description:	Develop and disseminate stronger messages concerning the purpose and value of technology integration. The message should present technology not as a "skill" to be mastered but as a tool for transforming learning as reflect in 21st Century Schools.
Total Estimated Cost:	\$0.00
Estimated Start Date:	6/1/2007
Estimated Completion Date:	6/30/2012
Timeframe Description:	2007-2008 Develop methods to disseminate the vision statement of the district technology plan.
Person Responsible:	IT Coordinator
Item 1 Estimated Budget Category:	Telecommunications
Item 1 Estimated Amount:	\$0.00
Item 1: Source(s) of Funds:	No cost
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	
Goal 2 Objectives:	2.1
ID:	1253

Title:	Support Internet Access
Description:	Improve Internet access by upgrading Internal Connections, such as local area networks for schools by purchasing and installing switches, servers and uninterrupted power supplies. Provide professional development to support the use of Internet resources access via using the purchased technologies.
Total Estimated Cost:	\$156,920.00
Estimated Start Date:	7/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	July 1, 2009-June 30, 2011: install servers in 15 schools; switches in 6
Person Responsible:	Network Manager/IT Director
Item 1 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 1 Estimated Amount:	\$127,000.00
Item 1: Source(s) of Funds:	Local school district funds--IT Services budget Instu. Computer Hardware/Networking Capital 11-5-1100-545-8640-6001-0-8100-xxxx
Item 2 Estimated Budget Category:	Professional Development
Item 2 Estimated Amount:	\$29,920.00

Source(s) of Funds Item 2:	IT Services In-Service budget 11-5-2215-180-8640-6001-0-8220-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	
Goal 2 Objectives:	2.2,2.3
ID:	1422
Title:	Web Hosting
Description:	Lease services to host the district/school websites to support the creation and maintenance of websites as vehicles for communicating to parents, the community and extending school resources to students outside the school day. Provide professional development to teachers and administrators to increase the use of websites as communication tools with parents, other teachers and administrators, students and other community members.
Total Estimated Cost:	\$154,320.00
Estimated Start Date:	6/1/2009 Estimated Completion Date: 6/30/2011
Timeframe Description:	Annual list web-hosting services.
Person Responsible:	Workshops scheduled throughout the year, including online and face-to-face.
Item 1 Estimated Budget Category:	IT Director
Item 1 Estimated Amount:	Internet Access
Item 1: Source(s) of Funds:	\$87,600.00 Local school district funds--IT Services budget C.O. TECHNOLOGY SERV. OTHER PURCHASED SERV. 11-5-6540-399-8640-6001-0-8640-8643
Item 2 Estimated Budget Category:	Professional Development
Item 2 Estimated Amount:	\$66,720.00
Source(s) of Funds Item 2:	IT Services In-Service Budget Substitutes: 11-5-2215-180-8640-6001-0-8220-xxxx and Stipends: 11-5-2215-192-8640-6001-0-8220-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	No
Goal 2 Objectives:	2.2
ID:	1426
Title:	Internet Access Supported by WAN Services
Description:	Continue leasing wide area network services and Internet Access, which include required Internet security tools, to provide sufficient bandwidth to support the learning, communication and administrative goals of the district and to allow Internet access to support teaching and learning. In addition, as a partner in the AREN Consortium, the district receives 10 mg. (expandable to 20 mg., if needed) of Internet Access to ensure sufficient bandwidth to allow Baldwin County students and teachers to participate in the ACCESS Distance Learning Program.
Total Estimated Cost:	\$1,021,423.80
Estimated Start Date:	6/1/2009 Estimated Completion Date: 6/30/2011
Timeframe Description:	Annually lease wide area network and Internet services Item 3: 2009-10--includes connections for ACCESS labs provided via Alabama Supercomputing Network for E-rate year 2010-2011
Person Responsible:	Network Manager/IT Director
Item 1 Estimated Budget Category:	Internet Access
Item 1 Estimated Amount:	\$837,802.80
Item 1: Source(s) of Funds:	IT Services budget 11-5-1100-xxx-8640-6001-8100-xxxx
Item 3 Estimated Budget Category:	Internet Access
Item 3 Estimated Amount:	\$183,621.00
Source(s) of Funds Item 3:	IT Services Budget 11-5-1100-362-8640-6001-8100-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	No
Goal 2 Objectives:	2.2,2.3
ID:	1431

Title:	Support Communication with Students and Parents
Description:	Purchase telecommunication services (local, long distance, and cellular) to support communication with parents, students, teachers, and administrators.
Total Estimated Cost:	\$766,257.00
Estimated Start Date:	7/1/2009 Estimated Completion Date: 6/30/2011
Timeframe Description:	Annually leased telecommunication services for E-rate year 2010-2011
Person Responsible:	Business Operations Manager
Item 1 Estimated Budget Category:	Telecommunications
Item 1 Estimated Amount:	\$766,257.00
Item 1: Source(s) of Funds:	Local school district funds= 11-5-3200-361-CCTR-6001-0-8320-xxxx 11-5-3100-369-CCTR-6001-0-8310-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	
Goal 2 Objectives:	2.2
ID:	1437
Title:	Technology Resources
Description:	Increase the awareness of access to technology resources, such as Alabama Virtual Library, Alabama Learning Exchange (ALEX), eLearning for Educators, Technology in Motion, and Alabama ACCESS Distance Learning, for all students and teachers and administrators
Total Estimated Cost:	\$2,000.00
Estimated Start Date:	6/1/2007 Estimated Completion Date: 6/30/2012
Timeframe Description:	2007-ongoing: Develop and maintain podcastings, blogs, and recorded Breeze sessions to provide awareness and use.
Person Responsible:	IT Coordinator
Item 1 Estimated Budget Category:	Substitute (Cost for Professional Development)
Item 1 Estimated Amount:	\$2,000.00
Item 1: Source(s) of Funds:	In-service funds 11-5-215-180-8640-6001-0-8220-8647
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	
Goal 2 Objectives:	2.2,2.3
ID:	1447
Title:	Expand Educational Opportunities
Description:	Provide technical support for the use of advanced technology incorporated into the curricula to develop and enhance information literacy, information retrieval, and critical thinking skills of students through access to library media centers and library media programs and other instructional programs.
Total Estimated Cost:	\$290,268.00
Estimated Start Date:	7/1/2009 Estimated Completion Date: 6/30/2011
Timeframe Description:	2009 and ongoing
Person Responsible:	IT Network Manager/IT Coordinator
Item 1 Estimated Budget Category:	Professional Development
Item 1 Estimated Amount:	\$64,805.00
Item 1: Source(s) of Funds:	IT Services In-service funds 11-5-2215-180-8640-6001-0-8220-xxxx
Item 2 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 2 Estimated Amount:	\$225,463.00
Source(s) of Funds Item 2:	IT Services district budget Instr. Non-cap. Computer Hardware 11-5-1100-495-8640-6001-0-8100-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	Yes
Goal 2 Objectives:	2.2
ID:	1454
Private School Inventory and/or Services:	<div>May attend workshops</div>

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.

Our Interpretation

All school 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.

IDEAL Performance (Indicator for Goal 3): When we have achieved Goal 3 we will see the following in our district:

See attachment Rubrics-Goal III-Level 4 or below

All BCBE teachers and administrators participate in high quality, research-based technology professional development aligned with local, state, and national standards and courses of study, which is designed to support the integration of technology into the curriculum.

Compensation, reimbursement and classroom support exist to enable all educators the opportunity to maximize their participation in technology professional development, both in the district and off site.

Decisions related to technology professional development are facilitated and informed by evaluation data made available to administrators by participants in professional development offerings.

Technology professional development is offered at a variety of locations (at the district office, in local schools and online) and through a variety of methods (whole group, small group, one-on-one) to all teachers and administrators.

Employee a full-time School Technology Coach (STC) in all schools to provide mentoring and technology professional development, and perform other job related duties as prescribed by job description.

DATA SOURCES: We will use the following data source(s) to monitor performance. Goal 3

See attachments or see below

II. Evaluation Process

Evaluation Questions

Key questions that served to guide this technology evaluation and plan are:

1. How effectively are Baldwin County teachers, students and administrators using technology as an integrated tool for teaching, learning, and leading to master local, state, and national standards?
2. To what extent are Baldwin County students, teachers, and administrators benefiting from educational opportunities and resources through the use of technology?
3. To what extent are Baldwin County teachers and administrators benefiting from technology professional development and supports aimed at helping them achieve local, state, and national standards and courses of study?
4. To what extent do Baldwin County student, teachers, and administrators have access to the technology resources and infrastructure necessary to support teaching, learning, and leading?

Data sources used in 2008-09: IMPACT survey; professional development workshops; interviews with STCs

Spring of 2007: IT Services gathered data to help answer these questions. Both qualitative and quantitative data were collected. Quantitative data included online surveys of administrators, teachers and students. To provide preliminary baseline data a survey was placed online. 1,607 teachers (IMPACT), 52 administrators (IMPACT) and 527 students completed the surveys. These findings will be compared with results from future administrations of this survey to measure progress toward the goals and benchmarks of the plan.

Spring of 2008: The IMPACT survey was administered to 1648 (see attachment for changes from 2007 to 2008) teachers and more than 70 administrators. The student survey administered in 2007 was completed by 423 students in 2008. In addition, school technology inventories were used as data collection tools.

Spring 2007: Qualitative data collection involved interviews and focus groups. Structured interview protocols were developed to guide and standardize the interview procedures. The interviews of randomly selected teachers and administrators were conducted to solicit input from stakeholders at all grade levels and content areas. All interviews were scheduled and conducted following guidelines provided by SDE and Sun & Associates.

Focus groups were designed to triangulate with data already collected from the interviews and online surveys and to expand on themes reflected in these data. The focus groups were held with separate randomly selected samples of teachers and administrators.

October 2007: School Technology Coordinators participated in a focus group sessions to discuss strategies for accomplishing goals and objectives of district/school technology plans.

December 2007: All schools submitted via Moodle updates on progress in completing 2007-08 strategies listed in the Action Plan section of their technology plan. School technology plans were written to support the goals and objectives of the district technology plan.

Spring 2008: All school submitted via Moodle progress reports in completing 2007-2008 strategies listed in the Action Plan section of their technology plan. School technology plans were written to support the goals and objectives of the district technology plan. The input collected from the school technology plans was used as one data source to assist with writing the school district technology plan.

WHERE WE STAND: We have made progress toward achieving Goal 3 in the following ways.

Professional Development

Below are the recommendations that were developed during the 2006-07 Pioneer Technology Planning Pilot. Progress is indicated under each recommendation:

- Increase the number of staff development opportunities that move beyond basic productivity and are research based. Teachers need sustained, job-embedded staff development that will enable them to integrate technology within the learning environment. They should be trained in the use of technology tools that support student-centered, engaged learning.
- o **2008-09:** Through EETT Competitive and Formula, the district added an additional 8 teachers to the eMINTS program (see explanation below for description of program and training). We have begun training sessions for the original 13 teachers.
- o **2008-09:** More than 200 teachers received stipends (partially funded through EETT) to attend the Baldwin County Technology Conference; for the first time, IT provided online courses this summer for 102 teachers; we again provided a two day Moodle boot camp, which had a waiting list; 13 teachers participated in 127 hours (each) of professional development through the EETT funded eMINTS; and we trained 235 STM to provide technology mentoring and coaching in their schools.
- o 2007-08: EETT and district in-service funds provided the following professional development program for teachers: Intel: Teaching Thinking with Technology; Classroom Connect's Technology Mentoring Program; and eMINTS Comprehensive Technology Professional Development Program. All three programs research-based professional development program that move beyond training teachers to use technology beyond basic productivity. eMINTS has received ISTE's Seal of Alignment, which stipulates that the professional development program most closely is aligned to ISTE's National Education Technology Standards for Students. Also, eMINTS meets the National Professional Development standards of providing ongoing, sustained, job embedded profession development, requiring teachers to attend 232 hours of professional development over two years and allow 10-12 years of classroom visits by eMINTS Specialists. Teachers were provided stipends and incentives to attend two day moodle camps to train teachers to use moodle to provide online distance learning to students.
- Expand approach to training-Teachers need more concentrated instructional support for integrating technology within the curriculum. Schools would benefit from School Technology Coaches who can provide immediate, job-embedded, ongoing staff development to teachers. For many teachers, the district must continue to offer face-to-face training, primarily on-site or during the summer months; however, for many other teachers, online professional development opportunities must be increased to meet the demands for training opportunities that are available at the teacher's convenience and outside the school day.
- 2008-09:** implemented eMINTS for 13 teachers, providing prof.dev. two nights per month for 4 hr. each night. No additional Technology Coaches were hired.
- o 2007-08: One additional School Technology Coach was hired during 2007-08. The number of district-developed and taught online courses has increase to 16 per semester. 235 School Technology Mentors were introduced to eLearning, a SDE supported online distance learning program.
- Build training around standards-Technology professional development should be develop around the 2006-07 International Society for Technology Education's (ISTE) National Educational Technology Standards for Students, which are the bases for the new Alabama Course of Study: Technology Education.
- o 2008-09: Again as last year, all technology professional development activities are based on the standards in the new Alabama Course of Study: Technology Education.
- o 2007-08: all technology professional development activities are based on the standards in the new Alabama Course of Study: Technology Education.
- Provide one district professional development day per year for technology.
- o 2008-09: same as last year
- o 2007-08: a few schools dedicated one professional development day to technology. Progress is needed in this area.
- Require the use of STI-PD for all teachers and administrators.
- o 2008-09: all technology professional development is listed in STI-PD and registration is required.
- o 2007-08: All technology workshops are listed in the STI-PD program, and participants are asked to enroll in workshops via STI-PD. IT developed and posted to the district website training sessions on using STI-PD to enroll in workshops.

Goal 3 Objectives

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.

Description

Title:	Evaluation of Prof. Dev.
Description:	Work with a national non-profit educational organization to develop and conduct a formative evaluation of technology professional development practices. Such an evaluation should be part of a district-wide technology professional development plan.
Total Estimated Cost:	\$10,000.00
Estimated Start Date:	6/1/2007
Estimated Completion Date:	6/30/2012
Timeframe Description:	2007 Oct.: Identify non-profit educational organization. 2007 Oct.-Dec.: Work with organization to develop formative evaluation. 2008 Jan.-Feb.: Conduct initial formative evaluations. 2008 March: Analyze data collected from evaluations.
Person Responsible:	IT Coordinator
Item 1 Estimated Budget Category:	Professional Services Contracts
Item 1 Estimated Amount:	\$10,000.00
Item 1: Source(s) of Funds:	Carryover EETT Competitive Funds 12-5-2215-399-8640-4137-1-8220-0000 Contract with the eMINTS National Center for evaluation of professional development
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	
Goal 3 Objectives:	3.1
ID:	1223
Title:	Professional Development Plan
Description:	Create a district-wide technology professional development plan. The plan must address teachers' needs to learn new models of classroom management, student learning behaviors, and other strictly pedagogical issues concurrently with skills necessary to teach the recently released ISTE National Educational Technology Standards for Students. The professional development plan should include a range of professional development models which can be used as resources for teachers at various stages of technology "adoption" (see Milliken's The Seven Dimensions for Gauging Progress). The plan must acknowledge that a model of "one-on-one" training and support is not feasible in a district the physical size of Baldwin County. Therefore, considerable work should go into creating a multi-tiered professional development and technical support plan that can employ a rich range of solutions, including distance learning using Breeze and district ACCESS labs; online distance learning using applications such as Moodle; face-to-face training; and on-site, on-going, job-embedded professional development. EETT and district in-service funds will continue to be used to provide professional development and a small stipend for School Technology Mentors who will provide technology professional development to other teachers in their schools, following the Professional Development Plan developed for the district.
Total Estimated Cost:	\$280,000.00
Estimated Start Date:	3/3/2008
Estimated Completion Date:	6/30/2012
Timeframe Description:	2009 March-April: Write plan based on analysis of formative evaluation data.--completed 2009 May: Communicate plan and request budget for implementation. 2009 June-2010 July: Implement Phase I. 2009 August-2010 July: Implement Phase II. 2010 August-2011 July: Implement Phase III.
Person Responsible:	IT Coordinator
Item 1 Estimated Budget Category:	Software
Item 1 Estimated Amount:	\$150,000.00
Item 1: Source(s) of Funds:	District In-Service and 2007-08 EETT Formula funds 2008-09 Stipends for STMs \$37,000 11-5-2215-192-8640-6001-0-8220-8647 and 11-5-2215-192-8640-6001-0-8220-8644
Item 2 Estimated Budget Category:	Substitute (Cost for Professional Development)
Item 2 Estimated Amount:	\$100,000.00
Source(s) of Funds Item 2:	District In-service IT Services Budget 11-5-2215-180-8640-6001-0-8220-864
Item 3 Estimated Budget Category:	Professional Services Contracts
Item 3 Estimated Amount:	\$15,000.00
Source(s) of Funds Item 3:	District IT Services In-service funds 11-5-2215-399-8640-6001-0-8220-8647
Unlisted Category Item 4:	Travel and Materials and Supplies
Estimated Amount Item 4:	\$15,000.00
Source(s) of Funds Item 4:	District IT Services In-service 11-5-2215-389-8640-6001-0-8220-864 11-5-2215-489-8640-6001-8220-8647
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	

Private School(s):	
Goal 3 Objectives:	3.1,3.2,3.3
ID:	1233
Title:	Adminstrators Professional Development
Description:	Create professional development for building administrators with the goal of transmitting the message that the use of technology to support the teaching of the new ISTE National Technology Standarads for Students will require pedagogical changes.
Total Estimated Cost:	\$10,000.00
Estimated Start Date:	6/1/2007
Estimated Completion Date:	6/30/2012
Timeframe Description:	2007-08 Include this effort in development of formative evaluation of technology 2008 Include in district technology development plan 2008-ongoing Provide professional development
Person Responsible:	IT Coordinator
Item 1 Estimated Budget Category:	Professional Services Contracts
Item 1 Estimated Amount:	\$10,000.00
Item 1: Source(s) of Funds:	District In-service Funds 11-5-2215-180-8640-6001-0-8220-8647--provides substitutes for school technology mentors (STMs)to participate in professional development relating to implementation of the new technology course of study. STMs sahare this information with administrators and other teachers
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	
Goal 3 Objectives:	3.2
ID:	1255
Title:	Support Internet Access
Description:	Improve Internet access by upgrading Internal Connections, such as local area networks for schools by purchasing and installing switches, servers and uninterrupted power supplies. Provide professional development to support the use of Internet resources access via using the purchased technologies.
Total Estimated Cost:	\$156,920.00
Estimated Start Date:	7/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	July 1, 2009-June 30, 2011: install servers in 15 schools; switches in 6
Person Responsible:	Network Manager/IT Director
Item 1 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 1 Estimated Amount:	\$127,000.00
Item 1: Source(s) of Funds:	Local school district funds--IT Services budget Instu. Computer Hardware/Networking Capital 11-5-1100-545-8640-6001-0-8100-xxxx
Item 2 Estimated Budget Category:	Professional Development
Item 2 Estimated Amount:	\$29,920.00
Source(s) of Funds Item 2:	IT Services In-Service budget 11-5-2215-180-8640-6001-0-8220-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	
Goal 3 Objectives:	3.1, 3.2
ID:	1422
Title:	Web Hosting
Description:	Lease services to host the district/school websites to to support the creation and maintenance of websites as vehicles for communicating to parents, the community and extending school resources to students outside the school day. Provide professional development to teachers and administrators to increase the use of websites as communication tools with parents, other teachers and administrators, students and other community members.
Total Estimated Cost:	\$154,320.00
Estimated Start Date:	6/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	Annual list web-hosting services. Workshops scheduled throughout the year, including online and face-to-face.
Person Responsible:	IT Director
Item 1 Estimated Budget Category:	Internet Access
Item 1 Estimated Amount:	\$87,600.00
Item 1: Source(s) of Funds:	Local school district funds--IT Services budget C.O. TECHNOLOGY SERV. OTHER PURCHASED SERV. 11-5-6540-399-8640-6001-0-8640-8643
Item 2 Estimated Budget Category:	Professional Development
Item 2 Estimated Amount:	\$66,720.00

Source(s) of Funds Item 2:	IT Services In-Service Budget Substitutes: 11-5-2215-180-8640-6001-0-8220-xxxx and Stipends: 11-5-2215-192-8640-6001-0-8220-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	No
Goal 3 Objectives:	3.1,3.2
ID:	1426
Title:	Internet Access Supported by WAN Services
Description:	Continue leasing wide area network services and Internet Access, which include required Internet security tools, to provide sufficient bandwidth to support the learning, communication and administrative goals of the district and to allow Internet access to support teaching and learning. In addition, as a partner in the AREN Consortium, the district receives 10 mg. (expandable to 20 mg., if needed) of Internet Access to ensure sufficient bandwidth to allow Baldwin County students and teachers to participate in the ACCESS Distance Learning Program.
Total Estimated Cost:	\$1,021,423.80
Estimated Start Date:	6/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	Annually lease wide area network and Internet services Item 3: 2009-10--includes connections for ACCESS labs provided via Alabama Supercomputing Network for E-rate year 2010-2011
Person Responsible:	Network Manager/IT Director
Item 1 Estimated Budget Category:	Internet Access
Item 1 Estimated Amount:	\$837,802.80
Item 1: Source(s) of Funds:	IT Services budget 11-5-1100-xxx-8640-6001-8100-xxxx
Item 3 Estimated Budget Category:	Internet Access
Item 3 Estimated Amount:	\$183,621.00
Source(s) of Funds Item 3:	IT Services Budget 11-5-1100-362-8640-6001-8100-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	No
Goal 3 Objectives:	3.1, .2
ID:	1431
Title:	Technology Resources
Description:	Increase the awareness of access to technology resources, such as Alabama Virtual Library, Alabama Learning Exchange (ALEX), eLearning for Educators, Technology in Motion, and Alabama ACCESS Distance Learning, for all studeents and teachers and administrators
Total Estimated Cost:	\$2,000.00
Estimated Start Date:	6/1/2007
Estimated Completion Date:	6/30/2012
Timeframe Description:	2007-ongoing: Develop and maintain podcastings, blogs, and recorded Breeze sessions to provide awareness and use.
Person Responsible:	IT Coordinator
Item 1 Estimated Budget Category:	Substitute (Cost for Professional Development)
Item 1 Estimated Amount:	\$2,000.00
Item 1: Source(s) of Funds:	In-service funds 11-5-215-180-8640-6001-0-8220-8647
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	
Goal 3 Objectives:	3.1
ID:	1447

Title:	Expand Educational Opportunities
Description:	Provide technical support for the use of advanced technology incorporated into the curricula to develop and enhance information literacy, information retrieval, and critical thinking skills of students through access to library media centers and library media programs and other instructional programs.
Total Estimated Cost:	\$290,268.00
Estimated Start Date:	7/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	2009 and ongoing
Person Responsible:	IT Network Manager/IT Coordinator
Item 1 Estimated Budget Category:	Professional Development
Item 1 Estimated Amount:	\$64,805.00
Item 1: Source(s) of Funds:	IT Services In-service funds 11-5-2215-180-8640-6001-0-8220-xxxx
Item 2 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 2 Estimated Amount:	\$225,463.00
Source(s) of Funds Item 2:	IT Services district budget Instr. Non-cap. Computer Hardware 11-5-1100-495-8640-6001-0-8100-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	Yes
Goal 3 Objectives:	3.2
ID:	1454
Private School Inventory and/or Services:	<div>May attend workshops</div>
Title:	Use of ALEX to Teach Standards
Description:	Promote the use of Alabama Learning Exchange (ALEX) to support the teaching of standards in the Alabama Technology Course of Study, specifically student use of technology to collect, analyze, and display data.
Total Estimated Cost:	\$11,500.00
Estimated Start Date:	7/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	2007-2008- Provide update on changes to the ALEX website Summer 2008-work with Instruction to include ALEX resources in district curriculum writing. 2009-10: provide training to 146 STM on use of ALEX to support tech. COS and other courses of study
Person Responsible:	IT Coordinator
Item 1 Estimated Budget Category:	Professional Development
Item 1 Estimated Amount:	\$11,500.00
Item 1: Source(s) of Funds:	District In-service 11-5-2215-180-xxxx-6001-0-8100-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	
Goal 3 Objectives:	3.1,3.2
ID:	1674
Title:	On-going Professional Development through eMINTS
Description:	Provide high quality professional development to integrate technology into curriculum and instruction.
Total Estimated Cost:	\$371,297.00
Estimated Start Date:	10/1/2009
Estimated Completion Date:	9/30/2011
Timeframe Description:	eMINTS: stipends for 232 hours of professional development over a 2 yr. period--training for 21 teachers funded and another 4 if ARRA EETT competitive is awarded; stipends for summer conference attendance for teachers Equipment to be purchased in 2009-10
Person Responsible:	IT Coordinator
Item 1 Estimated Budget Category:	Stipend
Item 1 Estimated Amount:	\$111,792.75
Item 1: Source(s) of Funds:	ARRA EETT Formula ARRA EETT Competitive 2009-10 if awarded
Item 2 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 2 Estimated Amount:	\$259,504.25
Source(s) of Funds Item 2:	EETT ARRA Formula 2009-2011 EETT ARRA Competitive if awarded 2009-2011
ARRA-09 Formula Funds:	121297
ARRA-09 Competitive Funds:	250000

Private School(s):	Yes
Goal 3 Objectives:	3.1,3.2
ID:	3046
Private School Inventory and/or Services:	<div>Private school teachers may participate in professional development using money for materials and supplies, stipends, or travel.</div>

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.

Our Interpretation

All Alabama students, teachers, and administrators will have access to the appropriate technology resources and 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:

All Baldwin County students, teachers and administrators have access to technology-based productivity tools, on-line services, Internet-based instructional materials, and adequate support for using these resources to support teaching, learning, and leading. The district's network infrastructure is fully in place, provides secure access, and reaches all students, teachers, and administrators in his/her classroom or work place. The infrastructure will support a blend of online and video conferencing distance learning which is available to all secondary students and all teachers and administrators.

A full-time technical support person is provided for every 100 computers. Ratios of support and integration staff are reviewed annually, and consistently reflect priorities articulated in the district's technology plan.

The Baldwin County School District annually allocates an adequate portion (no less than 5%) of its total budget to technology expenditures, including those for professional development, technology support, hardware, software, connectivity, and equipment replacement.

DATA SOURCES: We will use the following data source(s) to monitor performance. Goal 4

Reports from district capital plan, reports from annual schools technology plans, interviews, focus groups, surveys, district technology inventories.

WHERE WE STAND: We have made progress toward achieving Goal 4 in the following ways.

Below are the recommendations that were developed during the 2006-07 Pioneer Technology Planning Pilot. Progress is indicated following the 2007-08 date under each recommendation:

- Expand the use of secure wireless technologies within local area networks as appropriate to identified needs.
- o **2008-09:** No change
- o 2007-08: While IT Services works with some schools to install wireless technology, there is no district-wide wireless program. Additional progress is needed in this area.
- Continue to provide appropriate levels of bandwidth as necessary for administrative and instructional needs.
- o **2008-09:** increase in the mg of Internet Access. o 2007-08: The district applied for and received E-rate discounts to continue to provide a state-of-the-art fiber optic network.
- Provide adequate personnel to operate and support technology infrastructure.
- o **2008-09:** No change
- o 2007-08: No additional personnel have been added on the technical side; however, the number of current technicians appears to be able to meet the district technology needs. On occasions, the district will contract with vendors to provide technical support for schools.
- Continuously update policies, procedures, and technologies to ensure that computing resources are secure and recoverable.
- o **2008-09:**ongoing
- o 2007-08: Installation of a san serves as backup for district applications and data. Policies and procedures for disaster recovery and protection were amended and distributed to school shortly before the first hurricane of 2008.
- Ensure IT Services and Facilities work closely together to design school facilities.
- o **2008-09:** progress has occurred in the number of meetings with Facilities to discuss building projects.
- o 2007-08: The IT Director continues to engage in conversations during the Superintendent's Leadership meetings. Progress is needed in this area.
- Support distance learning labs in all high schools.
- o 2008-09: ongoing
- o 2007-08: The district provides personnel and resources, such as electrical and wiring upgrades, painting, and furniture, to support SDE ACCESS labs. In addition, the district provides funds to ensure that a certain level of equipment is provided each ACCESS lab.
- Provide additional computer workstations, labs, or laptops with wireless carts (one per five teachers) for all grade levels based on data from this evaluation report and continued input from schools.
- o 2008-09: Few additional computers, beyond EETT funded computers or other federal sources, due to budget cuts. Replacements have been delayed.
- o 2007-08: A reduction in the IT Services budget has prohibited action in this area. A pilot program in 12 classrooms funded by EETT

competitive grant funds is providing additional technology: one computer per two students, an interactive whiteboard, a LCD projector, a digital camera, printers, copier and software.

- Purchase and install LCD projectors in every classroom.

o 2007-08: LCD projectors were purchased and installed in all classrooms in four new schools; one district technical staff was trained to install LCD projectors; school state teacher technology funds were used by many schools to added LCD projectors.

- Provide interactive whiteboards or interactive slates in classrooms of teachers who attend training to learn to successfully integrate the technology into the curriculum.

o 2008-09: now have 1567

o 2007-08: EETT funds were used to provide the following technology training for teachers: Intel: Teaching Thinking with Technology, Classroom Connect Mentoring Workshops, and eMINTS Comprehensive Professional Development. These workshops including training on using interactive whiteboards to support teaching. Teachers attending training received interactive whiteboards.

Goal 4 Objectives

Description

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.

Count : 8

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

Title:	On-Site Support
Description:	Increase professional and technical support at the building level by providing each school with a full-time School Technology Coach (STC), allocated as an extra FTE. Based on data collected during a one-year pilot, a middle school with a full-time STC clearly made progress in the use of technology to support the curriculum. The data indicated that teachers involved in the pilot increased their use of technology and increased the number of student classroom assignments using technology.
Total Estimated Cost:	\$3,700,000.00
Estimated Start Date:	8/1/2008
Estimated Completion Date:	6/30/2012
Timeframe Description:	2009-10: Hire STCs for all schools with grades 7 and 8. 2010-11: Hire STCs for an additional 16 schools. 2011-12: Hire STCs for an additional 19 schools.
Person Responsible:	School Board/Superintendent
Item 1 Estimated Budget Category:	Personnel
Item 1 Estimated Amount:	\$3,700,000.00
Item 1: Source(s) of Funds:	District Local Funds STC Supplement 11-5-2215-xxx-8640-6001-0-8220-8644--funded only two positions for 2008-09
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	
Goal 4 Objectives:	4.7,4.6
ID:	1234

Title:	Support Internet Access
Description:	Improve Internet access by upgrading Internal Connections, such as local area networks for schools by purchasing and installing switches, servers and uninterrupted power supplies. Provide professional development to support the use of Internet resources access via using the purchased technologies.
Total Estimated Cost:	\$156,920.00
Estimated Start Date:	7/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	July 1, 2009-June 30, 2011: install servers in 15 schools; switches in 6
Person Responsible:	Network Manager/IT Director
Item 1 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 1 Estimated Amount:	\$127,000.00
Item 1: Source(s) of Funds:	Local school district funds--IT Services budget Instu. Computer Hardware/Networking Capital 11-5-1100-545-8640-6001-0-8100-xxxx
Item 2 Estimated Budget Category:	Professional Development
Item 2 Estimated Amount:	\$29,920.00
Source(s) of Funds Item 2:	IT Services In-Service budget 11-5-2215-180-8640-6001-0-8220-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	
Goal 4 Objectives:	4.1, 4.2, 4.3
ID:	1422
Title:	Web Hosting
Description:	Lease services to host the district/school websites to support the creation and maintenance of websites as vehicles for communicating to parents, the community and extending school resources to students outside the school day. Provide professional development to teachers and administrators to increase the use of websites as communication tools with parents, other teachers and administrators, students and other community members.
Total Estimated Cost:	\$154,320.00
Estimated Start Date:	6/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	Annual list web-hosting services.
Person Responsible:	Workshops scheduled throughout the year, including online and face-to-face. IT Director
Item 1 Estimated Budget Category:	Internet Access
Item 1 Estimated Amount:	\$87,600.00
Item 1: Source(s) of Funds:	Local school district funds--IT Services budget C.O. TECHNOLOGY SERV. OTHER PURCHASED SERV. 11-5-6540-399-8640-6001-0-8640-8643
Item 2 Estimated Budget Category:	Professional Development
Item 2 Estimated Amount:	\$66,720.00
Source(s) of Funds Item 2:	IT Services In-Service Budget Substitutes: 11-5-2215-180-8640-6001-0-8220-xxxx and Stipends: 11-5-2215-192-8640-6001-0-8220-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	No
Goal 4 Objectives:	4.3, 4.4, 4.8
ID:	1426

Title:	Internet Access Supported by WAN Services
Description:	Continue leasing wide area network services and Internet Access, which include required Internet security tools, to provide sufficient bandwidth to support the learning, communication and administrative goals of the district and to allow Internet access to support teaching and learning. In addition, as a partner in the AREN Consortium, the district receives 10 mg. (expandable to 20 mg., if needed) of Internet Access to ensure sufficient bandwidth to allow Baldwin County students and teachers to participate in the ACCESS Distance Learning Program.
Total Estimated Cost:	\$1,021,423.80
Estimated Start Date:	6/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	Annually lease wide area network and Internet services Item 3: 2009-10--includes connections for ACCESS labs provided via Alabama Supercomputing Network for E-rate year 2010-2011
Person Responsible:	Network Manager/IT Director
Item 1 Estimated Budget Category:	Internet Access
Item 1 Estimated Amount:	\$837,802.80
Item 1: Source(s) of Funds:	IT Services budget 11-5-1100-xxx-8640-6001-8100-xxxx
Item 3 Estimated Budget Category:	Internet Access
Item 3 Estimated Amount:	\$183,621.00
Source(s) of Funds Item 3:	IT Services Budget 11-5-1100-362-8640-6001-8100-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	No
Goal 4 Objectives:	4.1,4.2,4.3
ID:	1431
Title:	Support Communication with Students and Parents
Description:	Purchase telecommunication services (local, long distance, and cellular) to support communication with parents, students, teachers, and administrators.
Total Estimated Cost:	\$766,257.00
Estimated Start Date:	7/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	Annually leased telecommunications services for E-rate year 2010-2011
Person Responsible:	Business Operations Manager
Item 1 Estimated Budget Category:	Telecommunications
Item 1 Estimated Amount:	\$766,257.00
Item 1: Source(s) of Funds:	Local school district funds= 11-5-3200-361-CCTR-6001-0-8320-xxxx 11-5-3100-369-CCTR-6001-0-8310-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	
Goal 4 Objectives:	4.4
ID:	1437
Title:	Support Internet Access 09-10
Description:	Improve Internet access by upgrading Internal Connections, such as local area networks for schools by purchasing and installing switches, servers and uninterrupted power supplies.
Total Estimated Cost:	\$100,000.00
Estimated Start Date:	7/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	payment on borrowed sum
Person Responsible:	IT Network Manager/IT Director
Item 1 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 1 Estimated Amount:	\$100,000.00
Item 1: Source(s) of Funds:	Local school district funds Instru. Computer Jarware/Networking Capital 11-5-1100-545-xxxx-6001-0-8100-xxxxand 14-5-1100-495-xxxx-9115-0-1200-xxxx (Qzab funds)
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	
Goal 4 Objectives:	4.1,4.2,4.3

ID:	1442
Title:	Expand Educational Opportunities
Description:	Provide technical support for the use of advanced technology incorporated into the curricula to develop and enhance information literacy, information retrieval, and critical thinking skills of students through access to library media centers and library media programs and other instructional programs.
Total Estimated Cost:	\$290,268.00
Estimated Start Date:	7/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	2009 and ongoing
Person Responsible:	IT Network Manager/IT Coordinator
Item 1 Estimated Budget Category:	Professional Development
Item 1 Estimated Amount:	\$64,805.00
Item 1: Source(s) of Funds:	IT Services In-service funds 11-5-2215-180-8640-6001-0-8220-xxxx
Item 2 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 2 Estimated Amount:	\$225,463.00
Source(s) of Funds Item 2:	IT Services district budget Instr. Non-cap. Computer Hardware 11-5-1100-495-8640-6001-0-8100-xxxx
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	
Private School(s):	Yes
Goal 4 Objectives:	4.3,4.4,4.5,4.7
ID:	1454
Private School Inventory and/or Services:	<div>May attend workshops</div>
Title:	Emerging Technologies
Description:	Provide technology that will allow students to make use of real-world applications of technology; apply technology to inquiry-based projects; and learn and use skills necessary for participation in the global community.
Total Estimated Cost:	\$236,656.00
Estimated Start Date:	7/1/2009
Estimated Completion Date:	6/30/2011
Timeframe Description:	June 2007-August 2008 Purchase LCD projectors, Interactive whiteboards, laptops, and digital cameras; Oct., 2008-Sept., 2009: purchase the following technologies for 12 classrooms to support the implementation of the eMINTS program: one computer per two students, LCD projectors, interactive whiteboard, digital cameras, printers, copiers. 2009-10: purchase the following technologies for 4 classrooms to support the implementation of the eMINTS program: one laptop per two students, LCD projectors, interactive whiteboard, digital cameras, printers, copiers. 2009-10: purchase the following technologies for 8 classrooms to support the implementation of the eMINTS program: one laptop per two students, LCD projectors, interactive whiteboard, digital cameras, printers, copiers. 2009-10: purchase laptops and other technologies for integration of technology and supporting technology COS.
Person Responsible:	IT Coordinator
Item 1 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 1 Estimated Amount:	\$175,000.00
Item 1: Source(s) of Funds:	2007-EETT Competitive Grant 2007-EETT Formula Grant In-service Funds APSCE Fund--Incentive Grant 2008 EETT ARRA Competitive 09-10-if awarded
Item 2 Estimated Budget Category:	Equipment (Capitalized and Non-Capitalized)
Item 2 Estimated Amount:	\$61,656.00
Source(s) of Funds Item 2:	EETT Competitive 2008 and Carryover for 2008-09
ARRA-09 Formula Funds:	
ARRA-09 Competitive Funds:	175000
Private School(s):	Yes
Goal 4 Objectives:	4.4
ID:	1665
Private School Inventory and/or Services:	<div>Private schools will purchase emerging technologies to support integration into classrooms.</div>

E-Rate Information for Funding Year 2010 – 2011

Covering E-Rate period July 1, 2010 through June 30, 2011

E-Rate Related Action Steps to E-Rate FY 2010 – 2011:

Description	Total Estimated Cost	Goal 1	Goal 2	Goal 3	Goal 4	ID
Lease services to host the district/school websites to support the creation and maintenance of websites as vehicles for communicating to parents, the community and extending school resources to students outside the school day. Provide professional development to teachers and administrators to increase the use of websites as communication tools with parents, other teachers and administrators, students and other community members.	\$154,320.00	Yes	Yes	Yes	Yes	- 1426
Continue leasing wide area network services and Internet Access, which include required Internet security tools, to provide sufficient bandwidth to support the learning, communication and administrative goals of the district and to allow Internet access to support teaching and learning. In addition, as a partner in the AREN Consortium, the district receives 10 mg. (expandable to 20 mg., if needed) of Internet Access to ensure sufficient bandwidth to allow Baldwin County students and teachers to participate in the ACCESS Distance Learning Program.	\$1,021,423.80	Yes	Yes	Yes	Yes	- 1431
Purchase telecommunication services (local, long distance, and cellular) to support communication with parents, students, teachers, and administrators.	\$766,257.00	Yes	Yes	No	Yes	- 1437

E-Rate Budget Information

Action Step ID: 1426
Pre- \$87,600.00
Discount Amount Eligible for Discount:
Enter 60%
expected discount %:
Funding \$52,560.00
Commitment Request Amount:
Total amount responsible: \$35,040.00
Note: NA

Action Step ID: 1431
Pre- \$949,711.00
Discount Amount Eligible for Discount:
Enter 60%
expected discount %:
Funding \$569,826.60
Commitment Request Amount:
Total amount responsible: \$379,884.40
Note: NA

Action Step ID: 1437
Pre- \$487,891.00
Discount Amount Eligible for Discount:
Enter 60%
expected discount %:
Funding \$292,734.60
Commitment Request Amount:
Total \$195,156.40
amount responsible:
Note: NA

E-Rate Consortium Participation

Describe the services provided by the consortium:

10 mg. (expamdable to 20 mg. if needed) of Internet Access is provided to our WAN. The 10 mg is in addition to the bandwidth provided through local funding and E-rate funding. The additional 10 mgs from AREN are used for dedicated connection to web-based and IVC distance learning. In addition, this bandwidth supports centralized data collection by the Alabama State Department of Education.

Briefly describe where the services provided are covered in this technology plan:

In Goal I and IV, Objective 1.1, 1.2, 4.1, and 4.2 we discussed the need for additional Internet access to support the learning and communication goals of the district, which include student and teacher participation in online learnig and access to technology that will enable students to meet the Technology Literacy Content Standards in Alabama's Technology Course of Study.

Computer Inventory Data

School/Location	Count of Computers in Schools						High Speed Internet Connected						Count of Aged Computers			Count of Classrooms with computers indicated						
	Classroom	Library	Labs	Other	Total Student Use	Admin	Classroom	Library	Lab	Other	Total Student Use	Admin	0 thru 12 Months	13 thru 36 Months	37 thru 60 Months	Total Rooms	0	1	2	3	4	5+
Baldwin County BOE	0	0	0	0	0	214	0	0	0	0	0	214	60	111	43	0	0	0	0	0	0	0
Magnolia School	51	7	31	0	89	7	51	7	31	0	89	7	2	66	28	44	2	6	1	31	1	3
Silverhill School	62	3	30	0	95	47	62	3	30	0	95	47	2	75	65	34	0	1	12	14	4	3
Swift Consolidated Elementary School	27	3	26	0	56	26	27	3	26	0	56	26	21	53	8	18	0	1	2	13	1	1
Summerdale School	67	29	84	79	259	61	67	29	84	79	259	61	86	128	106	49	1	1	3	15	21	8
Elberta Middle School	79	21	70	1	171	56	49	21	70	1	141	56	150	54	23	44	0	2	23	12	0	7
Foley High School	157	16	164	0	337	128	157	16	164	0	337	128	64	203	198	87	0	4	44	21	7	11
Rockwell Elementary School	87	7	38	2	134	62	87	7	38	2	134	62	44	95	57	52	0	1	6	42	1	2
Daphne Middle School	55	32	49	0	136	58	55	32	49	0	136	58	33	73	88	44	0	3	29	7	0	5
Perdido Elementary School	58	5	60	1	124	51	51	5	60	1	117	50	107	37	31	40	1	5	16	10	2	6
Rosinton School	24	3	30	0	57	35	24	3	30	0	57	35	4	43	45	24	0	4	16	3	1	0
J Larry Newton School	84	9	95	0	188	67	84	9	95	0	188	67	108	50	97	53	1	1	36	6	2	7
Bay Minette Intermediate School	49	35	89	0	173	10	49	35	89	0	173	10	12	106	65	27	0	3	6	0	12	6
North Baldwin Center For Technology	26	0	55	5	86	3	26	0	55	0	81	3	0	10	79	15	2	3	5	1	0	4

Fairhope Middle School	77	13	60	8	158	81	77	13	60	8	158	81	160	61	18	50	0	3	33	5	1	8
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Handheld Computers

School Name	Classroom	Admin	Other
Baldwin County BOE	0	82	0
Magnolia School	0	1	5
Silverhill School	7	2	0
Swift Consolidated Elementary School	0	1	4
Summerdale School	0	0	0
Elberta Middle School	5	2	0
Foley High School	0	0	0
Rockwell Elementary School	68	4	0
Daphne Middle School	0	0	1
Perdido Elementary School	2	0	0
Rosinton School	10	3	0
J Larry Newton School	15	4	0
Bay Minette Intermediate School	6	1	0
North Baldwin Center For Technology	0	1	0
Fairhope Middle School	0	0	0
Fairhope Intermediate School	6	0	0
Fairhope High School	8	4	0
Delta Elementary School	4	1	0
Orange Beach Elementary School	0	0	0
Daphne East Elementary School	0	0	0
Bay Minette Elementary School	4	2	0
Stapleton School	7	2	0
Loxley Elementary School	0	0	0
Gulf Shores High School	9	1	2
Daphne Elementary School	1	7	0

Technology Planning Team

First Name	Last Name	School/Organization
Brandon	Bailey	Foley Middle School
Margaret	Blake	CO-IT Services
Mike	Giardina	IT Services
Pamela	Henson	Division of Instructional Support
Faron	Hollinger	Superintendent
Mike	Johnson	Instructional Technology
Lorraine	Katsimpalis	Fairhope High School
Jeremy	King	Instructional Technology
Jean	McCutchen	BOE Finance
Jan	Palmer	Daphne Elementary
Janice	Prescott	Division of Instructional Support

Jeff	Rhodus	Elsnore Elementary School
Derek	Roh	IT Services
Beverly	Spondike	Spanish Fort High School
Eddie	Tyler	BOE Maintenance and Facilities

Technology Support Personnel

Technology Integration Support and Technical Personnel	
Describe the Instructional Technology Support provided:	The district Instructional Technology staff consists of one coordinator and three resource teachers who serve as facilitators; however, since August 2007, one resource teacher has been on extended sick leave and no one has been added to the staff to replace that person. In addition, there are two full-time School Technology Coaches in two middle schools who provide on-site, job-embedded professional development and minor technical support to teachers and administrators. The Technology Facilitator's role is to support and promote the integration of technology in administrative (office) and instructional (classroom) areas. This individual works with teachers and administrators in schools as well as central office personnel to incorporate technology effectively in all appropriate aspects of their job. A major responsibility is to train and encourage teachers to fully utilize technology to enhance teaching and learning. Professional Development is provided through face-to-face training, one-on-one in school settings, online courses, and electronic meetings using Breeze technology. In addition, this person works closely with Instructional Services to ensure the Alabama Course of Study for Technology Education is properly implemented.
Technology Instruction Support Persons (FTE):	6
Describe the duties of the Technical Support personnel (briefly):	The technician's role is to repair and maintain in-house computer systems, desktops, and peripherals, equipment supporting WAN and LANs, and district-wide software applications. The Software Support Desk provides training and technical support for STI and CNP programs.
Technical Support:	16

LEA Submission

This document serves as the official submission of our school system's Technology Plan for School FY 2009-2010 and E-Rate FY July 1, 2010 through June 30, 2011. We certify that the information included in the plan meets the Technology Plan component required for the E-Rate program (listed below) and understand that the technology plan must be updated annually to meet E-Rate requirements and to maintain current technology planning information.

To qualify as an approved Technology Plan for a Universal Service discount, the plan must meet the following five criteria that are core elements of successful school and library technology initiatives:

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

We understand that to comply with item 5 in the list above we may either make changes during the annual update period due in September of each year or request for an official amendment if changes are necessary prior to the update requirement.

We certify to the best of our knowledge and belief that the data in the online submission is true and correct, that the filing of the Online Technology Plan has been duly authorized by the governing body of the school system. This technology plan consists of three separate sections (Technology Plan, Detail, and Inventory) and any submitted attachments.

We also recognize that data submitted in the Inventory Section will be used in our School and System Report Card. (See the Inventory Section of this technology plan)

Superintendent Signature Date

Technology Coordinator Signature Date

Financial Officer Signature Date

Mail to: Alabama Department of Education, Office of Technology Initiatives, 50 N. Ripley Street, 5351 Gordon Persons Building, Montgomery, AL 36104

Submittal Status

LEA Status

Modified By

Modified

Submit 2009 Revision for Review

[Margaret Blake](#)

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