

Elizabethton City Schools

Department of Education

Technology Plan

Elizabethton, Tennessee
2010-2012

Mr. Edwin Alexander
Superintendent of Schools

Technology Plan 2010
Elizabethton City Schools Department of Education
Technology Department

Joey Trent
Director of Technology

Mission Statement

The primary mission of the Elizabethton City Schools Technology Department is to enhance the teaching and learning processes within all our schools. Based on the focus of maximum student learning and optional instructional methodology, the strategies in the plan reflect Tennessee's overall goals. The plan also reflects Elizabethton City School's primary goal of the seamless integration of technology into all areas of schooling so that students, teachers, administrators, and parents become confident users of technology. Other goals of the plan include: preparing students for the 21st Century workforce; maximizing student achievement; integrating technology in the teaching/learning process to provide relevant, engaging, motivating tasks; creating and maintaining safe and orderly school environments; enhancing communication through the use of technology; and using technology to maximize efficiency and productivity.

III. TECHNOLOGY SYSTEM-WIDE GOALS AND OBJECTIVES

Instructional Technology

A. GOAL I: Goals and Strategies

Objective 1.1: Technology will be used to improve teaching, student learning, and analyze data. Students and teachers will be better prepared to internalize technological skills. The plan for integrating technology into schools is aligned with Tennessee Technology Standards and the school and / or district's vision for technology education. In addition, these goals and objectives are a significant part of the district Strategic Plan. Goals having objectives of this plan designed to improve the academic performance of all students. This district plan includes any additions or revisions as required by the Tennessee State Department of Education. The Office of Technology resources provide an electronic capability that meets local, state, and federal requirements. The Office of Technology will assure processes that allow sharing of information with all constituency groups.

Strategies:

- 1.1.1. Familiarize staff with Tennessee Technology Standards that are the foundation for the implementation of technology into the curriculum. These standards are available online and accessible to every teacher at www.connect-tn.org and www.ecschools.net.
- 1.1.2. Instill Tennessee Technology Standards aligned with curriculum mapping that appropriately embed technology resources into core content. Both are totally accessible through the state (www.connect-tn.org) and local (www.ecschools.net) websites.
- 1.1.3. Explore education technologies and utilization of technologies that enhance existing curricula and promote targeted advanced thinking skills.
- 1.1.4. A technology-rich learning environment is noticeable inside every school.
- 1.1.5. Educators review student scores and utilize software and equipment that encourages enhanced student performance. Technology Standards and State

benchmarks identify achievement and help to establish proper levels of adequate performance.

- 1.1.6. Technology curriculum emphasizes higher order thinking skills, complex problem solving, and cognitive research.
- 1.1.7. Educational technologies and utilization of technologies that boost existing curricula and support advanced thinking skills are targeted for implementation.
- 1.1.8. Coursework is enhanced through active student use of technological resources, such as the Internet and multimedia experiences when suitable.
- 1.1.9. Assure that all classrooms have adequate access to computers and Internet capability to enhance a technology curriculum that emphasizes higher order thinking skills, complex problem solving, and cognitive research.
- 1.1.10. Assess student scores by employing software and equipment that encourages improved student performance. State benchmarks and Technology Standards identify success and provide benchmarks for appropriate levels of proficiency.
- 1.1.11. Encourage student-to-computer ratios of 2:1 per capacity computer that will stimulate student success with academic content.
- 1.1.12. Apply funding to encourage keyboarding skills implemented throughout each school and grade level.
- 1.1.13. Provide technical assistance designed to advance technological literacy among students in preparation for unsubsidized high-skilled, high-wage jobs.
- 1.1.14. Ensure that all students meet performance expectations of technology curriculum standards by 8th grade.

Objective 1.2: Teachers, administrators, students, parents, and community members support the schools' initiatives in the uses of technology.

Strategies:

1.2.1. A team of technology associates encourages the implementation of technological programs that complement each school's improvement plan.

1.2.2. Educators work collaboratively to devise technology supported projects.

1.2.3. Educators utilize software that has been implemented, such as *A+*, *Accelerated Reader*, *Brain Pop*, *Brain Pop jr*, *United Streaming*, *Learn 360*, and *Successmaker*.

1.2.4. Lesson plans reflect genuine uses of technology.

1.2.5. Teacher Evaluation components include strategies for implementing the appropriate Tennessee Technology Standards.

1.2.6. Technology programs are connected to the curriculum of feeder schools.

1.2.7. Provide a timely training opportunity for parents through Bailey Computing Technologies, Inc. This valuable free service allows parents to explore topics, such as spoofing, phishing, chat room tips, web browser tips, and software.

Objective 1.3: TCAP testing results will be the standard for evaluation of the value of technology integrated into the curriculum. Although this is not easy to measure, we think the integration of technology is significant in schools that show progress in student academic performance.

1.3.1. Satisfactory yearly improvement will serve as one gauge for measurement of technological success through examination of course content proficiency. The team of Technology associates will establish what most appropriately identifies a level of success relative to technological skills since there are no distinct measures of success in this area.

Objective 1.4: Title II, Part D funds and E-rate discounts are used to improve the academic achievement and technology literacy of all students, and to improve the capacity of all teachers to integrate technology effectively into curriculum and instruction.

Strategies:

- 1.4.1. E-rate funding provides hardware and software for students. The plan for application of this funding is updated annually and submitted as a state report when requested.
- 1.4.2. Voice and/or data lines are utilized in classrooms. These lines provide safeguards for emergency, school-to-home communication, and routine school-related benefits that allow execution of issues of timely consequence.
- 1.4.3. Title II, Part D funds will be used to train the Technology Coach at each school site, and extended training to accommodate all technological literacy levels of these coach(s) and other staff members.
- 1.4.4. Apply E-rate funding to establish a firewall that greatly diminishes infiltration of patterns related to virus activity. This firewall protects all schools and Central Office computers by shutting down infected computers that interfere with processes throughout the district's network.
- 1.4.5. Apply E-rate funds to maintain and upgrade a teacher training lab in the Central Office use for teacher technical training. This lab consists of twenty-two high-capacity computers, sound system, conference calling equipment, and a Smart board.
- 1.4.6. Title Part IID finds are used to purchase training vouchers from Bailey's computing as to offer teachers a high level of training with a highly flexible schedule.
- 1.4.7. Use E-rate reimbursements to maintain and upgrade the network infrastructure throughout the school district as to provide a network with nearly 100% uptime during school hours.

- 1.4.8. Apply for E-Rate funds as to migrate to a voice over IP phone system beginning operation for the 2011-2012 school year.
- 1.4.9. Apply E-rate funds to add 100mb fiber to Central Office as to obtain and district-wide 100mb fiber network.
- 1.4.10. Apply E-rate funds to increase Egress speeds as new technologies are added to the network to keep all resources functioning at an optimal rate.

Objective 1.5: The school district will take a proactive approach to guarantee that all students and teachers have improved contact to technology.

Strategies:

- 1.5.1. Place high-needs schools as priority in the allocation of Title II, Part D, EdTech funds. These schools are identified through the Star Chart reports located at <http://crep.memphis.edu/TESS>, in addition to progress relative to TESS results as they compare to State performance goals.
- 1.5.2. Strong consideration for technology funding will be given to schools of the district that are identified for improvement or corrective action based on having inadequate or nonfunctional equipment. At this time Elizabethton City Schools has no schools on this list.
- 1.5.3. Hire an additional computer technician in 2010. It is desirable to provide the highest level of service to allow teachers to effectively use technology on a daily basis.
- 1.5.4. Workshop sessions will be available school year 2010-12 relative to Assistive Technology in response to TESS results.

Objective 1.6: The district will maintain and encourage the development and use of innovative strategies for the delivery of specialized curricula through the integration of technology into the curriculum.

Strategies:

- 1.6.1. Ongoing system-wide staff development opportunities are scheduled that allow professional staff to accelerate every level of technological skill in association with training through Bailey's Computing.
- 1.6.2. Collaborative school efforts encourage the sharing of strategies and programs. This collaboration extends into Teacher Evaluation components.
- 1.6.3. Technological literacy skills are incorporated across the curriculum.
- 1.6.4. Assistive Technology is implemented, when appropriate, based on evaluations and IEPs.
- 1.6.5. District staff is continuously involved in the process of exploring and identifying research-based technological strategies and programs based on needs assessments that reflect areas to be strengthened. These programs are implemented once exit outcomes are established and costs are defined.
- 1.6.6. Teacher lesson plans reflect innovative uses of technology. Principals of this district require staff members to associate technology skills within their curriculum.
- 1.6.7. Schedule ongoing system-wide staff development opportunities at least three times each year that allow professional staff to accelerate every level of technological skill.
- 1.6.8. Provide wireless capability to be utilized in all schools. Begin implementing a district-wide managed wireless solution, starting with Elizabethton High School, in 2010.
- 1.6.9. Deploy fiber connectivity to Central Office, completing a district-wide implementation of a Fiber based WAN by 2011.
- 1.6.10. Continue installing Smart boards in all classrooms, reaching 100% by 2012.

VOCATIONAL CURRICULUM:

Objective 1.7: Vocational education will promote a learning environment structured to aid utmost utilization of creative applications that will prepare these students for the workplace.

Strategies:

- 1.7.1. Coordinate with Career Technical / Vocational Education Plan that is available in the office of the Supervisor of Vocational Education.
- 1.7.1. Implementation of software to encourage career development is improving.
- 1.7.2. Schools with vocational capability research opportunities at local higher education facilities.
- 1.7.3. Four and six-year plans are available online for students' consideration prior to setting individual goals.
- 1.7.4. The Carter County Adult School accommodates students who drop out of high school.
- 1.7.5. Advisory groups link students with appropriate business and industry personnel.
- 1.7.6. Articulate high school Career Technical / Vocational courses with Northeast State Technical Community College. Students may take a college test and get college and/or technical credit for passing.
- 1.7.7. Link students with appropriate business and industry personnel through collaboration with advisory groups.
- 1.7.8. Extend funding from *Educate and Grow* scholarships to accommodate students desiring to take classes (*Jump Start Program* and *Career Fast Track*) at Northeast State Community College while in high school. This is a unique opportunity for students to receive tuition for *Jump Start* and *Career Fast Track* classes.

B. Goal II: Telecommunications Assessment

Objective 2.1. A yearly district needs evaluation will identify services, hardware, software, and other services that are essential to improve education or library services. TESS and STaR Chart surveys gauge ongoing growth relative to these services.

Strategies:

- 2.1.1. Curriculum supervisors research current software and hardware options to implement the most effective programs within schools.
- 2.1.2. The Technology Coordinator compiles an annual computer count. This computer count reflects that there is approximately one computer per 2.5 students of each school. The current goal is to improve computer interoperability and increase the number of computers so that two students have access to one high-functioning computer.
- 2.1.3. Annual review of TESS and STaR Chart reports provide indicators of progress towards becoming a technologically proficient district.
- 2.1.4. Requests from schools serve as an indicator of need based on TESS, STaR Chart findings, and system-wide initiatives. These results are accessible online at <http://crep.memphis.edu/TESS>.
- 2.1.5. Schools identified through Adequate Yearly Progress as needing improvement are high priority for extending technological opportunities.
- 2.1.6. A technology committee will research strategic utilization and implementation of appropriate hardware, software, and other services.
- 2.1.7. Increase distance learning opportunities. This initiative is developing through collaborative efforts of the Department of Technology, Department of CTE, Tanberg, and PCS.
- 2.1.9. Complete fiber connectivity to all buildings in district by 2011.

Objective 2.2: Elizabethton City Schools will maintain resourceful media centers that promote state-of-the-art technological training. These centers will bring forth improved and proficient computer skills.

Strategies:

- 2.2.1. System-wide initiatives are designed to stimulate effective technological literacy.
- 2.2.2. The library at T.A. Dugger Junior High School is equipped with dual computer labs, Smart board, and wireless technology so that the use of technology will be highly reliable, effective, and efficient.
- 2.2.3. Each librarian facilitates technological growth through daily instructional practices.
- 2.2.4. All Media Centers are wired to accommodate Internet communication.
- 2.2.5. Incorporate managed wireless capabilities in all libraries to enhance the ease and effectiveness of all Internet and multimedia use.

C. Goal III: Promotion of Curricula and Teaching Strategies that Integrate Technology

Objective 3.1: The district will identify and encourage curricula and teaching strategies that successfully incorporate technology into curriculum and instruction as designed through Tennessee Technology Standards.

Strategies:

- 3.1.1. Tennessee Technology Standards are the foundation for the implementation of technology into the curriculum. These standards are available online and accessible to every teacher at (www.connect-tn.org)
- 3.1.2. Appropriate district administrators constantly investigate and identify research-based technology strategies and programs based on an annual needs assessment that reflects areas to be strengthened. These programs are implemented once past outcomes are established and costs are defined.
- 3.1.3. Baseline data relative to state-mandated tests serve as the catalyst for determining student academic achievement needs. These results are consideration for added technological integration.
- 3.1.4. A timeline for integration is included in this Technology Plan.

D. Goal IV: Professional Development

Objective 4.1: Computer literate persons have increased opportunity for knowledge and information. A yearly district needs assessment will be completed by the staff of every school at the beginning of each school year. The direction of the technology department of Elizabethton City Schools will be determined through responses relative to the Tennessee STaR Chart and TESS reports. This data will provide guidance for training sessions for this school year. Staff development training will encourage the transition of schools from Early Tech to Developing or Advanced levels. Scheduled activities will help teachers become more comfortable and proficient with technology and give them ways to effectively integrate what they learn through professional training.

Strategies:

- 4.1.1. Provide sustained and ongoing training organized by in-house trainers, as needs and expertise are aligned to meet critical state guidelines regarding approved professional development.
- 4.1.2. The Technology Coordinator schedules ongoing training sessions relative to all levels of technological literacy as determined through the Tennessee STaR Chart and TESS reports.
- 4.1.3. The system continues to compete for grant funds that support technological advancements through staff development, such as Title IID, Part 2, and EdTech Launch.
- 4.1.4. System supervisors provide timely information that promotes a healthy technological environment.
- 4.1.5. An annual district needs assessment complements the district and school improvement plans.
- 4.1.5. Educators can utilize a technology-learning lab located at Elizabethton High School.
- 4.1.7. The system e-mail capability allows educators to submit valuable information that more promptly provides sustained technological services to classrooms through the Office of Technology.

- 4.1.8. Educators sign up for training sessions through the Technology Department.
- 4.1.9. A Technology Coach is appointed in every school to nurture the goals relative to the Tennessee STaR Chart and TESS reports.
- 4.1.10. Professional Development sessions relative to technology are provided at least three times each year.
- 4.1.11. Utilize a technology-learning lab located at the Elizabethton City Schools Central Office training lab to extend technological literacy experiences among employees.
- 4.1.12. Provide training for Technology coordinator, technicians, teachers, and other staff members organized by Supervisor of Technology. These training sessions include deploying spyware, virus scan, and Windows updates. Additional sessions are scheduled to provide guidance for cleaning up computers, networking, and wiring.

Objective 4.2: Elizabethton City Schools will maintain a computer lab for teacher training. Computers within the lab are routinely upgraded and/or replaced using e-rate funding.

Strategies:

- 4.2.1 Teachers / staff within Elizabethton City Schools receive ongoing notification of training sessions scheduled in the Computer Lab.
- 4.2.2. The lab will be maintained so that the computers are the latest State-of-the-art technology, so training can be delivered at its maximum potential.
- 4.2.3 The lab will consist of similar multimedia equipment which is located throughout the district classrooms as to assist in effectively training teachers in the correct use of equipment.
- 4.2.4 Replace computers in the Teacher Training lab with twenty-two high capacity computers in 2011.

E. Goal V: Technology Type and Costs

Objective 5.1: The district provides an adequate budget to acquire and support all elements of the Technology Plan, such as hardware, software, professional development, and other services needed for implementation (\$450,980). An annual district needs assessment will identify areas to strengthen. A Student Information Management System, Star Student (\$0.00), is operational at each school. This on-line service will provide access to student data relative to attendance and student history as well. State-required reports will be transmitted through this service. Staff will continue training to construct report card information through *Star Student*. Trainers provide in-service sessions for educators from novice skills to advanced (\$4,800.00) using Title II D funds. Repair and maintenance of equipment is directed through the Office of Technology (\$24,000.00). E-rate reimbursement accounts provide money to directly support technology and maintain the network infrastructure (\$12,000.00). Hardware purchased to carry out technology initiatives (\$12,500).

TECHNOLOGY DEPARTMENT
PROPOSED ANNUAL BUDGET 2010-2012

<u>72810</u>	<u>CENTRAL SERVICES</u>	
121	Personnel-GP	\$122,000
336	MAINTENANCE & REPAIR SERVICES-GP	\$24,000
	<i>Proposed increase for 2010-2011</i>	<i>\$20,000</i>
399	OTHER CONTRACTED SERVICES -GP	\$56,500
	<i>Proposed increase for 2010-2011</i>	<i>\$20,000</i>
411	DATA PROCESSING SUPPLIES-GP	\$4,000
499	OTHER SUPPLIES & MATERIALS-GP	\$3,000
524	INSERVICE/STAFF DEVELOPMENT-GP	\$2,000
709	DATA PROCESSING EQUIPMENT-GP	\$12,500
	<i>Proposed increase for 2010-2011</i>	<i>\$20,000</i>
790	Teacher Training-TITLE IID	\$4,800
	E-rate Basic Phone Service	\$12,000
	E-rate Internet/Firewall Discount Reimbursement	\$69,000
 <u>72210</u>	 <u>TITLE IID Stimulus</u>	
399	Contracted Services	\$4650
790	Staff Development	\$7930
 <u>72320</u>	 <u>COMMUNICATIONS</u>	
307	COMMUNICATIONS-GP	\$58,600
	Cell Phones	\$10,000
	 TOTAL EXPENDITURES-CENTRAL SERVICES	 \$450,980

Strategies:

- 5.1.1. Maintain a solid network infrastructure so that training is effective and highly efficient. (\$10,000.00-GP).
- 5.1.2. Report timely student data through the Office of Student Management Coordinator (\$30,000.00-GP).
- 5.1.3. Employ In-house trainers to stimulate knowledge of technology at all levels of learning (\$4,800.00-Title IID).
- 5.1.4. Utilize GP funds to provide technological training (\$2,000.00).
- 5.1.5. Select hardware to support infrastructure that promotes teaching and learning initiatives (\$12,500.00).
- 5.1.6. Train administrators and teaching staff to utilize appropriate components of *Star Student* (\$.0-General Purpose School Budget). Software support is available at no additional charge.
- 5.1.7. Repair and maintain hardware in a timely manner relying upon priority issues (\$24,000.00).
- 5.1.8. Apply e-rate funding to directly support technology and accelerate student performance (\$12,000.00).
- 5.1.9. Research and secure software that encourages student performance (\$10,000.00).

Objective 5.2: The system will develop strategies to meet the funding challenges relative to technological development.

- 5.2.1. Grant opportunities are routinely researched through the Technology Department
- 5.2.2. Various administrators have and will continue to attend grant writing workshops and classes to maximize the greatest potential of receiving additional technology grants.

Objective 5.3: Title II, Part D allocations will be used to provide and sustain certain technology professional development sessions (Total Title II D-\$4,800.00).

F. Goal VI: Evaluation and Accountability

Objective 6.1: The school district will monitor progress toward goals of technological advancement through the system-wide technology committee's ongoing needs assessments, TESS, and STaR Chart reports.

Objective 6.2: The school district will monitor the progress of funded activities within the areas of: effective integration of technology into classrooms, increasing the effectiveness of teachers, and enabling students to achieve challenging Tennessee Technology Standards.

Strategies:

- 6.2.1. Goals established through the TESS and STaR Chart reports are monitored for benchmarks of progress. It is the intent of the Elizabethton City School district to elevate high need schools in critical areas. These areas will be determined through a committee process with administrative oversight.
- 6.2.2. Adequate Yearly Progress in academic areas is a significant part of the technology monitoring system. Educators determine the role effective technology plays within content areas.
- 6.2.3. Performance-based assessments identify students of need as they relate to Tennessee Technology Standards.
- 6.2.4. Review of goals / objectives / strategies reflects necessary changes or revisions. These benchmarks occur within each grading period or when critical issues require maintenance.

G. Goal VII: Parental Involvement

Objective 7.1: Parents will be informed of timely progress points relative to technology through school newsletters, PTA sessions, Elizabethton City Schools Board of Education meeting updates, survey instruments, timely updates on the system website, school websites, email, and press releases.

Strategies:

- 7.1.1 Use the district website (www.ecschools.net) to assist in the communication between the school system and parents.
- 7.1.2. We will publish teacher emails so parents will have an effective source of contact with teachers in all schools. By maintaining our own server we hope to increase the ease of communication between teacher and parents.
- 7.1.3. Encourage parents to register for appropriate training at the Central Office training lab.
- 7.1.4. Provide a timely training opportunity for parents through Bailey Computing Technologies, Inc. This valuable free service allows parents to explore topics, such as: spoofing, phishing, chat room tips, web browser tips, and software.

H. Goal VIII: Collaboration With Adult Literacy Service Providers

- 8.1.1. The Carter County Adult Education School and Adult Education (GED) programs promote graduation options for drop-outs within Elizabethton City Schools.
- 8.1.3. Students who qualify for the free/reduced price lunch program opportunities qualify for the Carter County Adult Education School if they have dropped out of school. These student rosters provide information for recruiting efforts for the Coordinator for this project.

8.1.4. The Carter County Adult Education Program is available to assist adults with the attainment of a GED. Students use software that elevates their opportunity for success with the GED exam.

8.1.5. High school staff review student situations that allow their application to the GED program.

I. Goal IX: Children’s Internet Protection Act (CIPA) Compliance

Objective 9.1: The system will place the Computer Use Consent Form and the Elizabethton City School Board Policy on the system website:

www.ecschools.net.

Strategies

9.1.1. A copy of the consent form is updated on the system website.

9.1.2. A parent/guardian of each student will complete the computer use consent form. This form will be on file at each school.

9.1.3. Approval of the consent form is obtained by the Elizabethton City Schools Board of Education.

9.1.4. Principals share the responsibility of updating staff members about the consent form and the Board policy that addresses it.

Objective 9.2: System Internet capabilities are safeguarded through a state filtering system.

Strategies

9.2.1. Chat room activity is prohibited.

9.2.2 All Internet traffic is routed through a Fortigate and Fortianalyzer for additional safeguarding to the filter provided by ENA.

9.2.3 Adding the option of custom filtering by ENA to block additional sites beyond what is blocked by the state mandated Internet filter.

9.2.3 Apply E-rate funding to provide a firewall that will greatly diminish infiltration of patterns related to virus activity. This firewall protects all schools and Central Office computers by shutting down infected computers that interfere with processes throughout the district's network.

TECHNOLOGY TIMELINE

Objective 10.1: The implementation plan for the technology team's goals must include an awareness of the school district's budget. Technology is changing so quickly that it is impossible to know what advances will be available in three years.

Strategies:

10.1.1. The Elizabethton City Schools Technology Plan will be reviewed each year during the budget process to assure that the district is purchasing the most current and most appropriate equipment to align with system goals.

10.1.2. TESS and STaR Chart reports will be completed and reported to the State annually.

10.1.3. E-rate reports will be updated annually and submitted to the State appropriately.

10.1.4. Evaluation plans continue to be developed in schools and across the district to ensure that technology plans generate the desired outcomes.

10.1.5. The district will investigate federal, state, and other grant opportunities and funding sources for educational technology.

SY 10 TIMELINE:

- Use TESS and STaR Chart survey results to steer the direction of district technological advancement.
- Revisit the district Technology Plan and place on the district website.
- Continue training as needed with *Star Student*, state-wide student information system, and EIS, Tennessee Educational Information System, directed by the Student Management Coordinator.
- Encourage each school to spend a portion of their budgets on technological advancements to purchase printers, scanners, and digital cameras. Title I allocations may be utilized for purchases related to technology for targeted programs in Title I schools.
- Partner with Bailey Computing Technologies, Inc. as a technology training link to all schools through Title II, Part D, Ed Tech funding. Coordinate opportunities for technological advancement through the district staff development program.
- Increase multi-media learning opportunities through equipment purchases and training.
- Increase the number of high-capacity computers in learning labs and classrooms in transition toward a ratio of students to computer at 2:1.
- Purchase additional system-wide software for purchase includes: *Accelerated reader, A+ Credit Recovery, United Streaming, and additional updates to current software.*
- Purchase and replace two servers for district-wide use.
- Install two distance learning labs at Elizabethton High School.
- Continue to install Interactive whiteboards in classrooms throughout the school district.
- Increase connectivity speed from schools to Central Office
- Relocate Web server to fiber Egress (High School) and route traffic accordingly to increase overall speed.
- Continue to work with ETSU, State of Tennessee, Northeast State Community College, and other organizations to locate computers for schools.
- Provide access to *Open Office* at no cost to teaching staff desiring to use an office product.
- Promote a free class for parents, *Protecting Your Family on the Internet*, made available through Bailey Computing Technologies, Inc.
- Provide managed wireless capabilities at all libraries in all schools
- Continue to use Centrex for backup communications and other

miscellaneous purposes.

- Evaluate Voice over IP phone systems for implementation.
- Hire an additional computer technician

SY 11 TIMELINE:

- Use TESS and STaR Chart survey results to steer the direction of district technological advancement.
- Revisit the district Technology Plan and place on the district website.
- Continue training as needed with *Star Student*, state-wide student information system, and EIS, Tennessee Educational Information System, directed by the Student Management Coordinator.
- Encourage each school to spend a portion of their budgets on technological advancements to purchase printers, scanners, and digital cameras. Title I allocations may be utilized for purchases related to technology for targeted programs in Title I schools.
- Partner with Bailey Computing Technologies, Inc. as a technology training link to all schools through Title II, Part D, Ed Tech funding. Coordinate opportunities for technological advancement through the district staff development program.
- Increase multi-media learning opportunities through equipment purchases and training.
- Increase the number of high-capacity computers in learning labs and classrooms in transition toward a ratio of students to computer at 2:1.
- Purchase additional system-wide software for purchase includes: *Accelerated reader, A+ Credit Recovery, United Streaming, and additional updates to current software.*
- Purchase and complete installation of distance learning lab Junior High School.
- Continue to install Interactive whiteboards in classrooms throughout the school district.
- Complete process of 100mb fiber connectivity to all buildings.
- Add additional bandwidth to fiber Egress to High School and route other schools in accordingly.
- Continue to work with ETSU, State of Tennessee, Northeast State Community College, and other organizations to locate computers for schools.

- Provide access to *Open Office* at no cost to teaching staff desiring to use an office product.
- Install Fiber backbone throughout school district.
- Promote a free class for parents, *Protecting Your Family on the Internet*, made available through Bailey Computing Technologies, Inc.
- Provide managed wireless capabilities throughout all office, commons, and libraries in all schools.
- Continue to use Centrex for backup communications and other miscellaneous purposes.
- Implement Voice over IP in Central Office and one school building.

SY 12 TIMELINE:

- Use TESS and STaR Chart survey results to steer the direction of district technological advancement.
- Revisit the district Technology Plan and place on the district website.
- Continue training as needed with *Star Student*, state-wide student information system, and EIS, Tennessee Educational Information System, directed by the Student Management Coordinator.
- Encourage each school to spend a portion of their budgets on technological advancements to purchase printers, scanners, and digital cameras. Title I allocations may be utilized for purchases related to technology for targeted programs in Title I schools.
- Partner with Bailey Computing Technologies, Inc. as a technology training link to all schools through Title II, Part D, Ed Tech funding. Coordinate opportunities for technological advancement through the district staff development program.
- Increase multi-media learning opportunities through equipment purchases and training.
- Increase the number of high-capacity computers in learning labs and classrooms in transition toward a ratio of students to computer at 2:1.
- Purchase additional system-wide software for purchase includes: *Accelerated reader, A+ Credit Recovery, United Streaming, and additional updates to current software..*
- Purchase and upgrade servers located at Elizabethton High School for district use.
- Install Voice over IP in a district-wide implementation.
- Increase Fiber egress based on bandwidth needed for programs.

- Purchase and complete installation of distance learning lab in all three elementary schools.
- Continue to work with ETSU, State of Tennessee, Northeast State Community College, and other organizations to locate computers for schools.
- Provide access to *Open Office* at no cost to teaching staff desiring to use an office product.
- Promote a free class for parents, *Protecting Your Family on the Internet*, made available through Bailey Computing Technologies, Inc.
- Provide managed wireless capabilities throughout all office, commons, classrooms, and libraries in all schools.
- Continue to use Centrex for backup communications and other miscellaneous purposes.
- Add additional technology personnel to offer targeted assistance to the High school.
- Have interactive whiteboard installed in every classroom.