Aim: Support Capacity

Goal A: Provide the necessary supporting resources that will ensure successful and effective uses of technology to teach South Carolina State Standards.

(6) Seek out assistive technology devices and maintain a library of devices available for loan	District library of devices available for loan.	Ongoing	Director of Special Education	Maintain current information with regards to available assistive devices	List of devices available for loan.

Aim: Support Capacity

Goal B: Provide the necessary technical support and infrastructure to maintain reliable technical information systems.

(1) Maintain and upgrade standards for all technical systems and software.	Existing Technology Staff	Ongoing	Executive Director of Technology, Executive Director of Curriculum and Instruction	Ongoing training for technical support staff and curriculum specialists	Standards will be reviewed, upgraded and published each year.
(2) Provide online applications for processing and reporting support requests.	Service Order System	Ongoing	Executive Director of Technology	Not Applicable	Evaluation of weekly statistics will be conducted.
(3) Implement district-wide telecommunication system with five call areas and district-wide voice mail.	Nortel BCM and Succession systems, Gateway software and hardware, Call Pilot module, District wide call number system, Construction and Annual funding,	2009-2010 Through 2011-2012	Executive Director of Technology	Not Applicable	Completion of connectivity, installation of new systems/ Gateways and implementation of district wide voice mail.
(4) Maintain a strategy for replacing outdated computing technology.	Annual Funding; Inventories; Ratio Analyses	Ongoing	Chief Executive Officers	Not Applicable	Utilize computer inventories to analyze needs and incorporate in yearly purchasing decisions.
(5) Provide accessible and reliable telecommunication services with adequate capacity.	Phones in all Classrooms and Offices; Annual funding	Ongoing	Executive Director of Technology	Not Applicable	Conduct annual traffic busy studies; Review Support Requests
(6) Maintain maintenance contracts for telecommunication and Teknet technologies.	Annual Funding	Ongoing	Executive Director of Technology	Not Applicable	Maintain maintenance contracts for telecommunications and TekNet equipment.

Aim: Support Capacity

Goal B: Provide the necessary technical support and infrastructure to maintain reliable technical information systems.

(7) Review LAN/WAN design annually and provide updates as needed to stay current with system requirements and industry standards.	Annual Funding	Ongoing	Directory of Technology	Training for technical support staff	.
(8). Implement network security and management system for remote control, inventory, patch management and network isolation.	LAN Desk	2009-2010 Through 2011-2012	Executive Director of Technology	Training for technical support staff	Implementation of software.
(9) Maintain and support student management software.	Power School; Technology Staff	Ongoing	Coordinator of Technology	PowerSchool Training	Complete PowerSchool patches in timely fashion. Maintain listserv/help desk functions; Communicate instructions/tips for operating and reporting.
(10) Participate in SC State LDS (Longitudinal Data System) project with SIF (School Interoperable Framework) implementation for transporting data between district and state database applications.	SIF agents, ZIS, Universal Agents, State and district funding	2009-2010 Through 2011-2012	Executive Director of Technology	State sponsored application training	Implementation of SIF agents and data transfer between database applications.
(11) Maintain/Expand connections to the SC Network for internet connections to every classroom.	Erate Form 479	Ongoing	Executive Director of Technology	Not Applicable	Complete all necessary state requirements for service.

Aim: Support Capacity

Goal B: Provide the necessary technical support and infrastructure to maintain reliable technical information systems.

(12) Maintain a disaster recovery plan	Server Redundancy; Data backup and restore systems; Electrical Power Redundancy	Ongoing	Executive Director of Technology	Training Technical Staff in Backup Procedures	Test once a year restoring data. Backup systems on a daily basis, checking activity logs for compliance.
(13) Continue participation in Erate program.	District Technology Staff	Ongoing	Executive Director of Technology	SC Budget & Control Board, CIO office video updates. SLD web site.	Applications and supporting documents.
(14) Update technology equipment/infrastructure and telecommunication systems to latest industry standards for all schools in Phase III building program.	Design and Planning documents	2004 -05 Through 2011-2012	Executive Director of Technology; Chief Officer of Construction Projects	Not Applicable	Design implementation and building completion.
(15) Enhance information technology and management systems in finance, personnel and benefits services.	PeopleSoft	2009-2010 Through 2011-2012	Chief Finance Officer, Executive Director of Technology	Hands-on training for district and school personnel on system utilization	Full implementation of Peoplesoft vesion upgrades
(16) Develop and utilize applications for tracking student support programs	Online district-developed applications, HOBO, WRAPS, OFE, Travel, etc	2009-2010 Through 2011-2012	Executive Director of Technology, Directors of Support Programs	Training workshops for personnel on use of applications	Full use of applications provided
(17) Implement Imaging/Scanning technology to assist with document management	Scanners, Application Software, Image Servers, Storage Capacity	2009-2010 Through 2011-2012	Executive Director of Technology	Hands-on training for school/district staff employees	Will utilize imaging application to manage finance, payroll, personnel, special education and student records.

Aim: Support Capacity

Goal B: Provide the necessary technical support and infrastructure to maintain reliable technical information systems.

(18) Enhance data quality in student Information system (SIS)	Validation Rules Engine; Captivate and Live Meeting Software	2009-2010 Through 2011-2012	Executive Director of Technology	Conduct Online and Live Training Classes	Track use of validation rules engine and period data quality assessments
(19) Maintain and expand check-in software for schools	Check-in Software	2009-2010 Through 2011-2012	Executive Director of Technology, Director of Support Services	Training on Check-in software	Check-in software reports.
(20) Maintain physical infrastructure (electrical power, outlets, air control, etc) in all school buildings to provide basic requirements for technological equipment and services.	Annual Funding	Ongoing	Director of Support Services, Executive Director of Technology	Not applicable	Service Request Reports

Horry County Schools

Cumulative Targets and Benchmarks

Aim: Learners and their Environment

Goal A: Every student's learning will be enhanced by equitable access to effective technologies.

(1) Continue to provide mobile wireless notebook labs to facilitate student access to resources and large group instruction.	All schools will have working mobile labs by 2011-2012.
(2) Upgrade wireless overlays with newer managed technology.	All schools will have upgraded managed wireless overlays by 2011-2012.
(3) Continue to provide student and teacher workstations with standard application packages for student and teacher use.	100% of all workstations will be equipped with standard application packages (including office applications, mail client, etc.)
(4) Provide special needs students with access to telecommunications, sensory aids and other devices.	All students will have access to technology resources as identified in their IEP.
(5) Continue to provide every classroom and media center with up-to-date technical resources.	Maintain equipment replacement cycle to keep a ratio of one computer workstation less than 5 years old per three students; Maintain hardware and software licenses and subscriptions at current version levels.

Aim: Learners and their Environment

Goal A: Every student's learning will be enhanced by equitable access to effective technologies.

(6) Continue to provide online databases for students and select appropriately leveled resources.	Maintain subscriptions
(7) Continue to identify and implement online course offerings to allow students at all schools equitable access to coursework.	Enrollment numbers; enrollment in SC Virtual School
(8) Identify and implement video based distance learning offerings to allow students at all schools equitable access to coursework.	Enrollment numbers; enrollment in distance learning courses

Aim: Learners and their Environment

Goal B: Expand programs that integrate technology into curriculum and instruction.

(1) Provide students with opportunities to engage in collaborative tasks and real-time interactive activities such as: online classroom, digital workspaces, online forums and blogs.	Teachers will demonstrate use of Internet activities through web management software reports, unit planning and classroom observations
(2) Continue to use labs to engage students in independent projects to enable them to access, evaluate and use information effectively and efficiently.	Observation of lab use (CWT). Utilization logs
(3) Effectively utilize web based content management software to enhance classroom instruction.	Web usage reports; Pacing guides posted on web
(4) Integrate technology as part of the workstation model for elementary schools	CWT data, Teacher diagnostic records of student performance.
(5) Effectively use technology to help students achieve college readiness	Web usage reports, test scores
(6) Effectively use technology to improve student achievement in math and science	
(7) Effectively use technology to disseminate aligned curriculum; pacing guides; consensus maps; activities; resources	Observations, alignment to Goals Based Evaluations (ADEPT)

Aim: Learners and their Environment

Goal B: Expand programs that integrate technology into curriculum and instruction.

(8) Improve student technology literacy	Survey data, observations, usage data
(9) Enhance classroom instruction through the use of Teacher web page, online classrooms, teacher workspaces, and discussion forums/blogs.	Number of pages, workspaces, online classrooms and blogs developed, Monitoring usage reports.
(10) Improve teaching and learning through the appropriate use of network-accessible educational applications.	CWT data, Revised software matrix for schools.
(11) Staff will use mission-appropriate technology to communicate with varying audiences. (Research shows that improved communication between schools and parents enhances student learning).	Full deployment of Content Management software, SIS data
(12) Develop and offer digital learning opportunities to benefit students with academic schedule conflicts or alternative education goals.	Enrollment numbers, Number of successful completion of course work , Graduation rates.

Aim: Learners and their Environment

Goal C: Teaching 21st century skills using 21st century tools through innovative delivery strategies.

(1)Improve implementation and expansion of electronic student response systems.	PRS usage reports, Observations, CWT reports
(2) Increase Intelligent White Board technologies and improve integration throughout the schools.	Number of whiteboards throughout the district. CWTs and observations of teacher created lesson and whiteboard implementation.
(3) Integrate streaming video to enhance course content and deepen student understanding.	Teachers will demonstrate use of streaming video through portfolios, unit planning and classroom observation (i.e. school checklists).
(4) Improve technology literacy and integration	Increased participation in Laptop Initiative, Improvement in technology proficiencies, CWT reports, Observations, Usage reports of Atomic Learning; Increased staff development participation
(5) Investigate ways to improve student achievement through technology-centered school environment and curriculum (New Tech High)	Implementation of plans from New Tech High Team
(6) Utilize technology to improve management and administration of school activities and curriculum	Usage Reports, Principal conference with superintendent to review data

Aim: Learners and their Environment

Goal C: Teaching 21st century skills using 21st century tools through innovative delivery strategies.

**(7) Student Email, Web services and Content Management Initiative.	Usage reports.

Aim: Learners and their Environment

Goal D: Provide safe, secure and healthy learning environments.

(1) Provide IP based surveillance systems for all new schools and develop a plan for retrofitting existing schools.	All new schools will have surveillance systems. Existing schools will have plan for retrofit.
(2) Complete planning and installation for district-wide Call Monitoring system including hardware and software.	Fully functional district-wide Call Monitoring system
(3) Provide internet filtering and management capabilities consistent with latest industry standards.	Content filtering system will be fully implemented
(4) Improve workplace safety practices.	100% of district employees successfully completing online assessment.
(5) Provide accessible and reliable telecommunication services with adequate capacity.	Review system reliability.
(6) Expand and Update Keyless Entry Locks	Number of Keyless Entries; Review reliability

Aim: Community Connections

Goal: Ensure effective parent and community involvement and communication using technology.

(1) Utilize email communications with parents	District-wide utilization of email systems
(2) Use technology for reporting (by student, grade, school and district) longitudinal achievement in reading, writing and mathematics.	Monitoring online access and parent conferencing
(3) Provide web-based applications for disseminating score reporting.	District test results available online
(4) Expand development and utilization of dynamic district and school web pages for information, directories, announcements, news, events, etc.	Measure usage of web tracking tools and complete implementation
(5) Expand development and utilization of dynamic teacher web pages for instructional information and resources for students and parents.	Measure usage of web tracking tools
(6) Expand usage of Web 2.0 capabilities and features.	Measure usage by web tracking tools
(7) Provide opportunities for the community to utilize digital resources to enhance instructional development	Schedule of activities, e.g. Family Reading Night

Aim: Community Connections

Goal: Ensure effective parent and community involvement and communication using technology.

(8) Expand Registrar Application software for verifying student information in SASI.	Number of schools using registrar program
(9) Expand Programming Opportunities for Educational Access Channel	Scheduled programming e.g. Homework Hotline, Awards, Building Projects, District Activities, etc.
(10) Expand Usage of Streaming Educational Access Information on Web	Scheduled programming e.g. Homework Hotline, Awards, Building Projects, District Activities, etc.
(11) Expand Parent Notification System Utilization	Utilization Reports
(12) Continue to provide support for Adult Education and Literacy programs.	Services provided and support requests.
(13) Enhance online customer comment and suggestions capabilities.	Monitoring web page and Number of customer entries
(14) Assist families of special needs students in locating funding sources to obtain assistive devices for home use	Log of families assisted.
(15) Training provided to families of special needs students in the use of assistive technology devices.	Schedule of family trainings.

Aim: Community Connections

Goal: Ensure effective parent and community involvement and communication using technology.

(16) Provide online Newsletter for Parents and Businesses.	Development of web page and Number of newsletters
(17) Host list through SCTLC Web portal	Portal Link Implementation and maintenance of list.

Aim: Professional Capacity

Goal: Provide ongoing and sustained technology related staff development for teachers, principals, district administrators and support staff.

(1) Utilize curriculum specialists or master teachers at every school for modeling and coaching on various delivery models for integrating classroom learning and teaching.	The district will maintain a resource list of exemplary teachers for training, modeling, and coaching.
(2) Provide high quality staff development on the use of hardware/ software for instruction, including white boards, calculators, data collection devices, computers, interfacing equipment, online resources, etc.	The district will maintain a calendar of staff development activities on the use of technical resources; each school will ensure that appropriate teachers have training as needed.
(3) Provide online professional development opportunities for professional and classified staff.	The district will offer web-based classes and online training opportunities.
(4) Train professional staff members in the use of the state Certification Portal System (CPS) to monitor certificate renewal credits	Teachers and administrators will monitor their renewal credits.
(5) Expand district-created software for tracking staff development, including online registration, communication, and alignment with student data.	Teachers will use system for online registration and maintaining PD history; administrators will use system for monitoring PD activities.

Aim: Professional Capacity

Goal: Provide ongoing and sustained technology related staff development for teachers, principals, district administrators and support staff.

(6) Establish a video bank of teaching segments that serve as models of exemplary practice for integrating technology.	The district media center will make these video segments available and accessible to administrators.
(7) Provide online activities to allow teachers to demonstrate technological skills based on ISTE standards adopted by the district to meet state technology certification requirements.	Teacher and administrators will be able to monitor technical skills through portfolio review.
(8) Teachers will demonstrate technological proficiency through successful completion of training and coursework based on ISTE standards. (Teacher Technology Proficiency) Proviso)	250 teachers each year participate in graduate courses and workshops for integration of technology into classroom and usage of software applications.
(9) Provide strategies for identifying teachers who do are not technological proficient. (Teacher Technology Proficiency Proviso)	Teachers not technological proficient will be identified through classroom observation and recommended for additional coursework and/or activities.
(10) Provide an online survey to identify needs of teachers to meet "Highly Qualified' Status.	District will monitor and collect needs information and incorporate into Staff Development opportunities.

Aim: Professional Capacity

Goal: Provide ongoing and sustained technology related staff development for teachers, principals, district administrators and support staff.

(11) Provide learning opportunities for all support staff to improve technology skills	Pre- and Post- Test assessments with individual growth plans.
(13) Provide administrators with devices and software to facilitate data collection during classroom walk-through observations.	Principals and district administrators will use the trends and pattern they see for planning professional development.
(14) Implement Laptop Initiative for teachers	Teacher Portfolios, Proficiency Demonstrations
(15) Provide high quality staff development on the use of hardware, software and assistive technology for instruction.	Participant Rosters.

Aim: Instructional Capacity

Goal: Improve student academic achievement assisted through the effective use of technology.

(1) Develop strategies for managing technical resources and providing individualized and small group instruction.	Teachers will demonstrate technology integration through portfolios, unit planning and classroom observation and recorded on checklists.
(2) Students in grades 2-10 will be tested three times a year with Measures of Academic Progress (MAP); a series of computerized adaptive tests that measure general knowledge in reading, language usage, and mathematics.	Students in grades 2-10 will have progress and growth reports.
(3) Teachers will use Measures of Academic Progress (MAP) results to modify instruction.	Teachers will exemplify instructional modifications through lesson plans as observed and recorded on checklists.
(4) Continue to use computer application for data warehouse, centralizing student achievement data with analysis and data report capabilities for end users from district-level to the classroom.	Complete all requested reporting capabilities for end users by 2009.
(5) Utilize data stored in Data Warehouse at the district, school, and classroom level to improve student achievement and to monitor progress	District and school staff and teachers will utilize data in lesson planning, conferencing with parents and student IEPs.

Aim: Instructional Capacity

Goal: Improve student academic achievement assisted through the effective use of technology.

(6) Utilize technology resources to evaluate instruction.	Assessing instructional quality by evaluating reports provided by the required resources
(7) Implementation of assistive technology devices to enable technology usage by all students	Library sign out log will be maintained.

Aim: Support Capacity

Goal A: Provide the necessary supporting resources that will ensure successful and effective uses of technology to teach South Carolina State Standards.

(1) Provide teachers with technology applications to access student performance data and to assist with classroom management methodologies.	All teachers will have access to networked workstations capable of accessing all student data.
(2) Maintain and expand an efficient software approval system and online catalog that ensures system and instructional standards compatibility.	Develop web application for software approval workflow and software search.
(3) Provide classroom support for the use of instructional software, computer workstations, online broadband and IP based resources, manipulatives, calculators, science kits, data analysis devices, etc.	Support logs.
(4) Use appropriate technology to collect, store and disseminate state and district testing results for administrative and classroom analysis of test performance to improve instruction.	Collect electronic test scores and store in a SQL database with web interface. Import PASS/HSAP, MAP, Lexile, Dial3 and ELDA scores into SASI.
(5) Utilize IEP (Individual Education Plans) software	All special education students will have an electronic IEP in Excent software.
(6) Seek out assistive technology devices and maintain a library of devices available for loan	List of devices available for loan.

Aim: Support Capacity

Goal B: Provide the necessary technical support and infrastructure to maintain reliable technical information systems.

(1) Maintain and upgrade standards for all technical systems and software.	Standards will be reviewed, upgraded and published each year.
(2) Provide online applications for processing and reporting support requests.	Evaluation of weekly statistics will be conducted.
(3) Implement district-wide telecommunication system with five call areas and district-wide voice mail.	Completion of connectivity, installation of new systems/ Gateways and implementation of district wide voice mail.
(4) Maintain a strategy for replacing outdated computing technology.	Utilize computer inventories to analyze needs and incorporate in yearly purchasing decisions.
(5) Provide accessible and reliable telecommunication services with adequate capacity.	Conduct annual traffic busy studies; Review Support Requests
(6) Maintain maintenance contracts for telecommunication and Teknet technologies.	Maintain maintenance contracts for telecommunications and TekNet equipment.
(7) Review LAN/WAN design annually and provide updates as needed to stay current with system requirements and industry standards.	.

Aim: Support Capacity

Goal B: Provide the necessary technical support and infrastructure to maintain reliable technical information systems.

(8). Implement network security and management system for remote control, inventory, patch management and network isolation.	Implementation of software.
(9) Maintain and support student management software.	Complete PowerSchool patches in timely fashion. Maintain listserv/help desk functions; Communicate instructions/tips for operating and reporting.
(10) Participate in SC State LDS (Longitudinal Data System) project with SIF (School Interoperable Framework) implementation for transporting data between district and state database applications.	Implementation of SIF agents and data transfer between database applications.
(11) Maintain/Expand connections to the SC Network for internet connections to every classroom.	Complete all necessary state requirements for service.
(12) Maintain a disaster recovery plan	Test once a year restoring data. Backup systems on a daily basis, checking activity logs for compliance.
(13) Continue participation in Erate program.	Applications and supporting documents.

Aim: Support Capacity

Goal B: Provide the necessary technical support and infrastructure to maintain reliable technical information systems.

(14) Update technology equipment/infrastructure and telecommunication systems to latest industry standards for all schools in Phase III building program.	Design implementation and building completion.
(15) Enhance information technology and management systems in finance, personnel and benefits services.	Full implementation of Peoplesoft vesion upgrades
(16) Develop and utilize applications for tracking student support programs	Full use of applications provided
(17) Implement Imaging/Scanning technology to assist with document management	Will utilize imaging application to manage finance, payroll, personnel, special education and student records.
(18) Enhance data quality in student Information system (SIS)	Track use of validation rules engine and period data quality assessments
(19) Maintain and expand check-in software for schools	Check-in software reports.
(20) Maintain physical infrastructure (electrical power, outlets, air control, etc) in all school buildings to provide basic requirements for technological equipment and services.	Service Request Reports

Horry County Schools

Acknowledgements

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Adult Education Services
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Community Members
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Horry County Schools

Appendices

Appendix 1: No Child Left Behind Action Plan

Appendix 2: Teacher Technology Proficiency Proviso Professional Development Plan

Appendix 3: Acceptable Use Policy

Appendix 4: How E-Rate Areas Have Been addressed

Appendix 5: District Technology Training Schedule

Appendix 6: Telecommunications Network Design

Appendix 7: WAN Design

Appendix 8: Technology Summary Budget

Appendix 9: Assistive Technology Plan

Appendix 10: District Needs Assessment

Horry County Schools

Appendix 1: No Child Left Behind Action Plan

1. Description of how your district will use federal funds including E2T2 funds to improve the academic achievement, including technology literacy, of all students and to improve the capacity of all teachers to integrate technology effectively into curricula and instruction.

Since the mid 1990's, Horry County Schools (HCS) has been diligently planning and budgeting funds annually to provide equitable access to technology for all students and teachers, and to provide technology staff development for teachers. This has included: (1) student workstations and mobile laptop carts, (2) laptop initiative for teachers including a laptop, LCD projector and Interwrite Pad, (3) high speed internet access across the district, (4) professional development in the integration of technology in instruction and (5) classroom software for all schools.

The district has consistently provided local funds to provide higher internet bandwidths than minimal services provided by the State K12 Initiative to ensure that all schools are linked to other educational resources, educational institutions, DISCUS, distance learning and online course offerings. Federal funds have been used to help leverage local funds to provide equitable access, technology integration and teacher staff development.

HCS will utilize the results from the Student Technology Proficiency Survey, the Teacher Technology Proficiency and the 2008-09 teacher needs assessment to plan professional staff development focused to (1) improve student and teacher technology proficiency, (2) improve academic achievement and (3) effectively integrate technology into the curriculum. Proposed professional staff development activities follow in Appendix 2.

2. Description of your district's specific goals for using advanced technology to improve academic achievement aligned with challenging state academic content and standards. The explanation should include a description of the curriculum and teaching strategies that integrate technology effectively, based on an intensive review of relevant research.

HCS has set a priority of implementing 21st Century skills through instructional models and implementation of technology. The district's goals for using advanced technologies are described in the district's technology plan. Specific actions include:

(1) implementation of research-proven strategies to provide home, school, and community environments conducive to students' achieving technological literacy by the end of the eighth grade and to increase student achievement,

(2) development of Pacing Guides and Consensus Maps in core content areas,

(3) professional development in research-proven strategies and the effective integration of instructional technology to increase the capacity of all HCS professional staff to increase student achievement. This may include but not be limited to the use of:

- instructional programs that expand student engagement in collaborative and independent projects,
- effective use of online instruction,
- effective use of digital workspaces. online forums and blogs,
- utilization of streaming video,
- utilization of interactive whiteboard technologies and
- continued implementation of laptop initiatives.

3. Description of the steps your district will take to ensure that all students and teachers in schools have increased access to educational technology.

HCS consistently budgets for technology hardware and network infrastructure to maintain equitable levels of access and service. Each year, school level computer allocations are calculated. Factors examined include the number of aging computers and the ratio of computers to students in the school. These calculations are then used to distribute computers to schools on an equitable basis. District software purchases and training programs are provided equitably across schools and curriculum programs. All schools are provided equal access to the same level of connections and bandwidth for internet access regardless of location or size.

Continual population growth has resulted in the development of a staged construction plan that will provide new facilities. These new facilities will be provided the same technology resources and software as existing schools.

4. Description of how your district will use the E2T2 funds to help ensure that students in high-poverty and high-needs schools have access to technology and to ensure that teachers are prepared to integrate technology effectively into curricula and instruction.

All technology resources are equitably dispersed to all schools. *(See question 3 response above)*

5. Description of how your district will provide ongoing, sustained professional development for teachers, principals, administrators and media specialists, to further the effective use of technology in the classroom or media center.

HCS provides ongoing, sustained professional development for district staff through various formats:

(1) a relationship has been developed with Coastal Carolina University. District staff provide input in the course requirements and curriculum for the M.Ed in Instructional Technology. District staff meets periodically with the University to review training recommendations for instructional technology. In addition, the district has a relationship with the University to assist with the design and implementation of the general M.Ed program. This enables the inclusion of technology integration into the Masters curriculum.

(2) A professional staff development calendar is maintained. Through these efforts, opportunities for workshops focused on the integration of technology are provided.

(3) The district maintains an online learning platform to provide instructional opportunities for students and staff, and

(4) The district has employed Learning Specialists assigned to core academic and ancillary subjects. The Learning Specialists plan on both the district and school level to provide appropriate professional staff development activities which include technology integration.

6. Description of the type and costs of technologies to be acquired for your technology program through the use of E2T2 funds, including supporting sources such as services, software, and digital curricula. Your plan should include specific provisions for interoperability among the components of such technologies.

HCS has applied for an E2T2 Formula Grant in the amount – $94,467.70. The grant application identified three objectives:

- To improve student achievement – $42,000 was allocated for software services to support benchmark assessments to identify middle school student strengths and weaknesses in Math and Science and high school Physical Science. Test results will be analyzed to inform instruction and to plan professional staff development activities.
- To improve technology proficiency for 8th graders. Students will be administered the State Student Technology Proficiency Survey – Results will be analyzed to create a plan for professional staff development activities. $27,467 have been allocated for these activities.
- To improve technology proficiency for all teachers. Teachers will complete the Teacher Proficiency Survey – Results will be analyzed to identify professional staff development needs. $15,000 has been allocated for training and $10,000 will be utilized to provide hardware needed for training.

Object Category	Instructional Series (100)	Support Services Total (200)	Total
Personnel (Salaries) (100)	30577.70		30577.70
Employee Benefits (200)	11890.00		11890.00
Purchased Services (300)			
Supplies and Materials(400)	42000.00		42000.00
Capital Outlay (500)	10000.00		10000.00
(600) Other			
Total	94467.70		94467.70

7. Description of how your district will integrate technology into curricula and instruction to support standards-based learning and provide a timeline for such integration.

Pacing Guides and Consensus Maps for all core content areas will be finalized during the 2008-09 school year. These documents will include expectations for standards-based learning along a continuum that will include technology integration. Documents will be shared in an electronic format with links to pertinent information, supportive documents, lessons, and activities.

8. Description of how your district will encourage the development and utilization of innovative strategies for the delivery of specialized or rigorous academic courses and curricula through the use of technology, including distance learning technologies, particularly for those areas that would not otherwise have access to such courses and curricula due to geographical isolation or insufficient resources.

The district maintains an online learning platform to provide academic courses and curricula through hybrid classes and distance learning. In addition, the district maintains a contract with a distance learning provider to provide courses to students who would not otherwise have access to such courses and curricula due to geographical isolation or insufficient resources.

9. Description of how your district will ensure the effective use of technology to promote parental involvement and increase communication with parents, including a description of how parents will be informed of the technology being applied in their child's education. Explain how these strategies will allow parents to reinforce at home the instruction their child receives at school.

Horry County Schools utilizes technology in a variety of ways to promote parental involvement and to increase communication with parents.

(1)The district web page serves as a bulletin board to share district level information with the public. In addition, materials that impact all students and staff are maintained online such as the Parent/Student Handbook, the Horry County Schools Policy Manual, and the Personnel Handbook. Guidelines for instructional models, instructional standards and grading policies are maintained in those documents.

(2) Beginning in July 2008, the district's content management web page creation software will allow teachers to create and maintain classroom web pages. A focus of the class webpage will be to improve two-way communication with parents. All class web pages will include the appropriate syllabi and the teacher email address to enable ease of parent contact. In addition, teachers may choose to post homework assignments and describe classroom activities and exhibit student work.

(3) Horry County Schools has a cable television channel to broadcast individual school and district information, announcements; provide program overviews, interactive teaching lessons (math) and interactive interviews. The district also provides a homework hotline for middle schools.

(4) Software for parental phone notifications is maintained. Schools utilize the system for announcements, general information and attendance calling. The schools and the district also utilize the system for emergency messages.

(5) Elementary schools provide Family Resource programs. During these scheduled programs, parents and students utilize district technology and internet resources.

(6) Parents are able to login to a web-based student reporting system to view school records on student attendance, discipline and grades.

10. Description of how programs in your district will be developed in collaboration with adult literacy service providers, to maximize the use of technology.

The adult education and literacy program supports instruction in Adult Basic Education (ABE), Adult Secondary Education (ASE), WorkKeys Certification and English as a Second Language (ESL) classes for adults age 17 and older who lack basic literacy and English language skills. Currently there are 13 sites throughout Horry County that served over 1600 students in 2007-08. Three of the centers offer comprehensive "under one roof" services which include all classes mentioned above plus, family literacy childcare, and computer laboratories. There are updated computer labs in seven of the centers. Adult students are provided computer instruction in several centers using the IMPETUS instructional program. Other centers integrate technology instruction with the academic instruction. Each Friday at the "under one roof" centers, is designated as Technology Friday for ESL students and their instructional time is focused on computer usage.

Adult students have the opportunity to participate in computer aided instruction through SC Virtual Schools classes, Academy of Reading, WorkKeys instruction through WIN, ITTS software for TABE/GED instruction, GED online, GED televised on Channel 12, and Contemporary pre-GED and GED programs.

Adult education uses the technology support of Horry County Schools, district network services, email accounts, telephone services, staff development training and student data information from district SIS.

11. Description of the process and accountability measures that your district will use to evaluate the extent to which the activities in your technology plan, including E2T2 activities, are effective in integrating technology into curricula and instruction, increasing the ability of teachers to teach, and enabling students to meet challenging state academic content and student academic achievement standards.

The district Technology Plan has established specific goals related to integrating technology into curricula and instruction, increasing teacher technology skills, improving student achievement through the use of technology and ensuring that all 8th grade students are technologically literate. Goals in each of the Five Dimension Areas have specific action activities with accountability activities to measure the success of meeting goals/actions. Following benchmark timelines, goals/actions will be evaluated.

12. Description of the supporting resources (such as services, software, other electronically delivered learning materials, and print resources) that will be acquired to ensure successful and effective uses of technology.

Horry County Schools has a dedicated Technology Department that provides equitable technology support services to all schools and personnel in the school district. The Technology Department is an in-house maintenance shop and consists of Executive Director, Software and Hardware Technicians, Parts Inventory Clerk, Call Center Support Technicians, Network Administrators, Camera Support, Media Services Technician, Database Managers, Software Development Technicians, Student Record Management Clerk, Student Information System Administrator, Data Quality Clerk, Technology Purchasing Clerk and Technical Building Facilitator.

Telecommunication equipment for phone systems and Teknet (Video Distribution, Paging, Bells, and Intercoms) are managed under vendor contract but overseen by Technology Department personnel. Schools identify telephone contact individuals to work with the telecommunication vendor to report and resolve system issues. Individual schools also have a designated Technical Contact (full or part time) that work closely with the district Technology Department to provide local support and to complete district service requests.

The district uses an online technology service request system to resolve technology issues equitably and in a time efficient manner. The system also provides data analysis for number and type of requests to identify effectiveness of service and any potential system wide issues. A technology Help Desk is also available for all users.

The district supports a Microsoft Windows LAN and WAN network and maintains all switching devices to provide Internet access through the Metropolitan Ethernet Network. All district employees have email accounts through Microsoft Outlook, including Adult Education. The district has begun providing email accounts to all students. Filtering and anti-virus software is provided and maintained. In addition, the district maintains web services and "home grown" online applications.

The district Software Development team has been extremely successful in creating online data warehouse application for district staff, teachers, parents, and principals to utilize testing data integrated with student information to help analyze achievement and inform instruction. Longitudinal data is analyzed to identify trends of strengths and weaknesses.

The district's Learning Services Department provides support for curriculum and instruction. This includes supporting software programs used in classrooms, the integration of technology into instruction and other technology devices. The district

has an Executive Director for Curriculum and Instruction and a Learning Specialist for core subjects and ancillary areas. Learning Specialists work equitably with all teachers in the district. Each school also has a Curriculum Specialist (Coach) that works directly with teachers at their respective schools.

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Appendix 2: Teacher Technology Proficiency Proviso Professional Development Plan

South Carolina Legislation: Proviso 1.40 (SDE: Teacher Recertification – Technology) states:

> *To ensure the effective and efficient use of the funding provided by the General Assembly in Part IA, Section 1 X.C. for school technology in the classroom and internet access, the State Department of Education shall approve teacher technology competency standards required by local school districts as part of the Teacher Professional Development Plan. Approval of the teacher technology standards by the Department shall be a prerequisite for expenditure of district technology funds. Teachers must demonstrate proficiency in these standards and be validated by the school district.*

Horry County Schools will comply with the proviso by:

- Requiring all certified educators to complete the State Department of Education Technology Self Assessment – Levels 1, 2, and 3.
- Reporting educator technology proficiency to the State Department of Education.
- Analyzing performance data to plan relevant and effective staff development in technology aligned with ISTE Standards.
- Requiring teachers to take part in district and Atomic Learning technology staff development based on their needs.
- Tracking teacher technology proficiency and progress.

These responsibilities will be supervised by the Executive Directors of Technology, Personnel, and Curriculum and Instruction.

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Appendix 3: Acceptable Use Policy

(Published in Horry County Schools – Parent Student Handbook)

Internet Safety and Network Acceptable Use

Access to the Internet/Network is a privilege, not a right. With this privilege, there also is a responsibility to use the internet/Network solely for educational purposes and not to access materials not suitable for students. As part of the implementation of the administration's guidelines, students and staff must be instructed on the appropriate use of the Internet/Network. Inappropriate or disruptive use by any person will not be tolerated.

The smooth operation of the Internet/Network relies on the proper conduct of the end users who must adhere to strict guidelines. These guidelines are provided so that students and staff are aware of their responsibilities when using the Internet/Network. Any violations of these guidelines will subject the user to appropriate disciplinary action and possible denial of access to the Internet/Network. In general, these guidelines require efficient, ethical, and legal utilization of the network resources.

The Internet is an electronic highway connecting thousands of computers all over the world and millions of individual subscribers. Users will have access to:

1. Worldwide electronic mail services;
2. Global information and news as well as the opportunity to correspond with other institutions;
3. Public domain and shareware computer software of all types;
4. Discussion groups on a vast range of topics;
5. Access to many university library catalogs, the Library of Congress, ERIC, etc.; and
6. Access to online data bases.

In an attempt to protect students, the District has installed filtering/monitoring software to check Internet access by computer users on District equipment in compliance with the Children's Online Privacy Protection Act. However, because access to the Network and Internet provides connections to other computer systems located all over the world, users (and parents of students who are users) must understand that neither the District nor any District employee can completely control the content of the information available on the systems. Every effort will be made by the District to monitor and restrict ready access to known objectionable sites; however, an industrious user may discover inappropriate or offensive information. The District does not condone the use of inappropriate or offensive materials and cannot be held responsible for such use.

Acceptable use

The purpose of the District's providing the educational network and the Internet is to support teaching and learning through access to unique resources and the opportunity for collaborative work. The use of the Network and Internet must be in support of education and research and be consistent with the educational objectives of the District. Use of other networks or computing resources, in addition, must comply with their rules. Transmission of material in violation of any Federal or State laws or regulations is prohibited; this includes, but is not limited to, copyrighted material, threatening or obscene material, or material protected by trade secrets. Use for commercial activities, commercial advertisement, fundraising not authorized by the District, unethical or illegal solicitation, or political lobbying is prohibited.

Access to computer systems and networks owned or operated by the District imposes certain responsibilities and obligations on users and is subject to District policies and local, State, and Federal laws. Acceptable use is always ethical, reflects honesty, and shows restraint in the consumption of shared resources. It demonstrates respect for intellectual property, ownership of information, system security mechanisms, and the individual's rights to privacy and freedom from intimidation, harassment, and unwarranted annoyance.

Procedures for use

1. Administrators and teachers may access the Internet for educational or work-related purposes at any time which is not disruptive and does not interfere with the performance of other responsibilities by the employee or other staff members.
2. Students will be allowed to access the Internet only through their teachers. Students may not access the Internet without permission. Student use must be supervised at all times by a staff member.

Rules governing use

The use of the Internet and Network is a privilege, not a right, and inappropriate use will result in cancellation of Internet/Network privileges. All staff and students must abide by the following:

1. Be polite. Always use appropriate language. Do not send abusive, obscene, inflammatory, or threatening messages to others. Profanity, vulgarities, harassing, and other inappropriate language are prohibited.
2. Do not send or receive messages or information that is inconsistent with the District's policies, and do not assist others in violating the policies by sending or receiving inappropriate, offensive, and/or disruptive messages or information.
3. Documents may not include a student's social security number or any other personally identifiable information that may lead to the identity of one's self or others without proper parental consent.
4. Do not purchase something which requires a credit card number or obligates a student, a staff member, or the District to provide payment to another party.
5. No student pictures (video or still) or audio clips are to be published without written permission from the student's parent or guardian.
6. Do not send chain letters or engage in "spamming" (sending an annoying or unnecessary message to large numbers of people).
7. Do not download or load any software or applications without permission from the network administrator or system administrator.
8. The District offers student Internet-based electronic mail accounts. The student accounts are intended for educational purposes. Users can access their e-mail from any computer that has Internet access. Electronic mail (e-mail) is not guaranteed to be private. People who operate the system have access to all e-mail. Messages relating to or in support of illegal or inappropriate activities will be reported to the appropriate law enforcement authorities. All student e-mail accounts are filtered for inappropriate content. If for any reason a parent does not wish to have an e-mail account for his/her child, the parent should notify the principal in writing so that his/her child's name can be removed from the e-mail accounts.
9. Never access or attempt to access inappropriate or restricted information, such as pornography or other obscene materials, or other information not directly related to the educational purposes for which access is being provided. Restricted information includes
   obscene, libelous, indecent, vulgar, profane, or lewd materials, advertisements for products or services not permitted to minors by law, insulting, fighting, and harassing words, and other materials which may cause a substantial disruption of the academic environment. Access to the Internet from District computers is filtered and monitored for inappropriate content through a software application.
10. All subject matter on District web pages shall relate to curriculum, instruction, school-authorized activities, or to the District. Neither students nor staff may publish personal home pages as part of District web sites, or home pages for other individuals or organizations not directly affiliated with the District. All pages on the District's server(s) are property of the District.
11. Vandalism is prohibited and will result, at a minimum, in cancellation of privileges. Vandalism includes, but is not limited to, any malicious attempt to harm or destroy data of another user, the Internet, or other networks that are connected to the Internet or its infrastructures. Vandalism also includes the uploading or creation of computer viruses, deletion or alteration of other user files or applications, removing protection from restricted areas, or the unauthorized blocking or disruption of access to information, applications, or areas of the network. Access, attempt to access, and/or alter information in restricted areas of any network is prohibited.
12. Do not share passwords. The only person authorized to use an account is the person to whom it belongs. Do not send messages or information in someone else's name without the permission of the person.
13. Communication and information accessible via the network is assumed to be the private property of the creator, and appropriate citations should be made.
14. Users are to remain on the system only as long as necessary to complete their work so that other individuals will have opportunities to access the Internet.

All documents on the District's servers must conform to District policies, as well as established school guidelines. Copies of District policies are available in all school offices. Persons developing or maintaining web documents are responsible for complying with these and other policies. Some of the relevant issues and related policies include the following:

1. Electronic transmission of materials is a form of copying. As specified in District policy, no unlawful copies of copyrighted materials may be knowingly produced or transmitted via the District's equipment, including its web server(s).
2. Documents created for the web and linked to District web pages will meet the criteria for use as an instructional resource.
3. Any links to District web pages that are not specifically curriculum-related will meet the criteria established by the administration. Any other non-curricular materials should be limited to information about other youth activities, agencies, or organizations which are known to be non-sectarian, exclusively devoted to community interests or child welfare, non-profit, and non-discriminatory. Web page links may not include entities whose primary purpose is commercial or political advertising.
4. All communications via District web pages will comply with this policy and the student behavior code. Offensive behavior that is expressly prohibited by this policy includes religious, racial, and sexual harassment and/or violence.
5. Any student information communicated via District web pages will comply with District policies on data privacy and the confidentiality of certain records.

Users are required to report any of the following, as appropriate, to a teacher, supervisor, or the building network administrator as soon as the following are discovered:

1. Any messages, files, web sites, or user activities that contain materials that are in violation of this policy.

2. Any messages, files, web sites, or user activities that solicit personal information (such as an address, phone number, credit card number, or social security number) about the user or someone else, or request a personal contact with the user or another user.
3. Attempts by any user to abuse or damage the system or violate the security of the network and its resources.
4. Any illegal activity or violation of school policy. Illegal activities are strictly forbidden. Messages relating to or in support of illegal activities will be reported to law enforcement authorities.
5. Any error messages or problems that indicate that the system is not working properly.

Penalties for improper use

An employee who violates the terms of this procedure or otherwise misuses the Internet to access or send inappropriate material will be subject to disciplinary action, up to and including discharge. In addition, the privilege of accessing the Internet also will be subject to cancellation for a period of time as determined by the administration. Students who violate the terms of this procedure or who otherwise misuse their access to the Internet also will be subject to disciplinary action in accordance with the District's student behavior code. Internet access privileges also may be cancelled for a period of time as determined by the administration. Violations of the laws of the United States or the State of South Carolina also may subject the user to criminal prosecution. If a user incurs unauthorized costs, the user, as well as the user's parents if the user is a student, will be responsible for all such costs.

Warranty

The District makes no warranties of any kind, whether expressed or implied, for the service it is providing. The District will not be responsible for any damages suffered by any user. This includes loss of data resulting from delays, non-deliveries, misdirected deliveries, or service interruptions caused by negligence, errors, or omissions. Use of any information obtained via the Internet is at the user's own risk. The District specifically denies any responsibility for the accuracy or quality of information obtained through its services.

Security

Security on the computer system is a high priority. If a user identifies a security problem on the network, he/she must not demonstrate or share it with other users; he/she must notify, as appropriate, one of the following: teacher, supervisor, Network System Administrator, Network System Analyst, or the Director of Technology. Attempts to log on to the network as a system administrator or a person other than the user may result, at a minimum, in cancellation of user privileges. Any user identified as a security risk or having a history of problems with the use of computer systems may be subject to severe restriction or cancellation of privileges.

User privacy

The District reserves the right to examine, restrict, or remove any material that is on or passes through its network, just as it does any other work or material generated or brought to school by staff or students. Access to electronic information related to any student or staff member will be governed by the same policies that would apply to that information if it were not in electronic form.

Changes in technical standards

Given the rapid change in technology, some of the technical standards outlined in this policy may require change throughout the year. Such changes will be made by the District network specialist with approval of the Superintendent. This web page procedure may be updated on an annual basis, or more frequently if required.