



Where Children and Learning Are One

<http://www.lexington1.net>

Technology Plan 2005-2010

Dr. Karen C. Woodward, Superintendent

Dr. Wayne Brazell, Assistant Superintendent, Instruction

**Mr. Jeff Platenberg, Assistant Superintendent, Accountability &
Information/Communication**

Technology

Mr. Patrick Hanks, Director, Instructional Technology

Mr. Jeff Salters, Director, Information/Communication Technologies

100 Tarrar Springs Road ■ Lexington, South Carolina

Phone/803-359-4178 ■ FAX/803-359-8807

jplat@lexington1.net

CONTENTS

COVER PAGE

District Profile	ii
Executive Summary	v
District Needs Assessment	vii
District Vision and Mission Statements	viii

PLANS FOR THE FIVE INDIVIDUAL TECHNOLOGY DIMENSIONS

Technology Dimension 1: Learners and Their Environment

Goal	1
Snapshot of Current Technology Use	1
Operational Plan	
I. Objectives and Strategies	3
II. Action List	5
III. Implementation Action Steps	6
IV. Funding Considerations	7
V. Evaluation	8

Technology Dimension 2: Professional Capacity

Goal	9
Snapshot of Current Technology Use	9
Operational Plan	
I. Objectives and Strategies	10
II. Action List	13
III. Implementation Action Steps	15
IV. Funding Considerations	16
V. Evaluation	17

Technology Dimension 3: Instructional Capacity

Goal	19
Snapshot of Current Technology Use	19
Operational Plan	
I. Objectives and Strategies	20
II. Action List	21
III. Implementation Action Steps	22
IV. Funding Considerations	23
V. Evaluation	24

Technology Dimension 4: Community Connections	
Goal.....	25
Snapshot of Current Technology Use.....	25
Operational Plan	
I. Objectives and Strategies.....	26
II. Action List.....	28
III. Implementation Action Steps.....	29
IV. Funding Considerations.....	30
V. Evaluation.....	31
Technology Dimension 5: Support Capacity	
Goal.....	32
Snapshot of Current Technology Use.....	32
Operational Plan	
I. Objectives and Strategies.....	33
II. Action List.....	36
III. Implementation Action Steps.....	37
IV. Funding Considerations.....	38
V. Evaluation.....	39
Cumulative Targets and Benchmarks.....	41
Acknowledgements.....	44
Bibliography.....	46
Required Appendixes.....	47
<i>Appendix 1: No Child Left Behind Action Plan</i>	
<i>Appendix 2: Teacher Technology Proficiency Proviso Professional Development Plan</i>	
<i>Appendix 3: Acceptable Use Policy</i>	
<i>Appendix 4: How E-Rate Areas Have Been Addressed</i>	
<i>Appendix 5: Report on Last Year’s Progress toward Goals, Objectives, Strategies, Benchmarks, Actions, and Outcomes</i>	
<i>Appendix 6: District Strategic Plan</i>	
<i>Appendix 7: District Plan for Addressing E-Rate Areas</i>	
<i>Appendix 8: Previous District Technology Plan</i>	
District Technology Plan Checklist.....	48

DISTRICT PROFILE

Lexington County School District One is the largest school district in Lexington County — geographically and in student enrollment. The district is 360 square miles. Lexington County is 701 square miles. The district's current daily enrollment is 19,142 students not including the three and four-year-old kindergarten programs. Lexington One continues to grow by 500 new students on average each school year and remains one of the fastest growing school districts in the state—from the 1991–1992 school year to the 2001–2002 school year, the student population grew by 5,919 — an increase of 50 percent over 1991–1992.

Presently, the district has 20 schools: 10 elementary schools, one intermediate school, four middle schools, four high schools and one career and technology center. The district also has an Alternative Learning Center. (Next year-2006-07), an additional elementary school and middle school will open.) Thirty-five (35) percent of the student population receive or is eligible to receive free/reduced lunch. The district has about 500 English as a Second Language students, which represents 23 different languages. The district's annual dropout rate is 2.7%; graduation rate is 86.8%; and the district's E-rate discount is 53%.

The district is generally recognized as one of the most innovative district in the state with use of technology. Lexington One operates a virtual high school, LexOne, has placed Technology Integration specialists in all schools, has been a state leader in the use of handheld technology for teachers and administrators, and has made significant progress in the use of technology to improve instruction.

EXECUTIVE SUMMARY

Lexington District One in collaboration with the community, district staff, and students has developed a comprehensive technology plan to prepare students for the twenty-first century. Students are being prepared to be thinking, productive, responsible and self-directed, lifelong learners in an ever-changing world. The infusing of information technology into the instructional program is a key element of the district's technology plan. This plan is embedded throughout the district's strategic plan that was approved by the district's school board in the summer of 2005.

The document *Lexington County School District One Technology Plan 2005–10* provides the framework for elucidating, monitoring, and evaluating the district's pathway to continuous progress and advancement through technology implementation. Included in this framework are specific guidelines to aid the district and its schools in the technology planning process. The plan is designed to allow our schools as well as district not merely to satisfy but to exceed the requirements established by the S.C. Education Oversight Committee as well as those requirements set forth in the district strategic plan; state strategic plan; the federal No Child Left Behind Act of 2001; and Proviso 1.40 of 2001, which is Proviso 1.29 in the 2003–04 General Appropriations Bill and is titled "SDE: Teacher Technology Proficiency":

To ensure the effective and efficient use of the funding provided by the General Assembly in Part IA, Section 1 XI.A.1 for school technology in the classroom and internet [*sic*] access, Lexington County School District One require teachers to demonstrate proficiency in technology standards as part of each teacher's Professional Development plan.

The *Lexington County School District One Technology Plan 2005–10* begins with an explanation of the planning processes used and the key stakeholders' roles and responsibilities in devising their subsection of the overall strategic plan. Throughout the document the plan is correlated with key state and federal legislation, including legislative acts such as the Education Accountability Act and the No Child Left Behind Act.

The *Lexington County School District One Technology Plan 2005–10* presents five core technology dimensions that must be addressed in order for us to begin improving student achievement through the use of technology as an integrated tool. All strategic actions are designed to increase student achievement through the effective integration of technology into the core curriculum. Measurable goals, objectives and strategies, an action list, an evaluation plan, and benchmarks are given for each core technology dimension.

The five core technology focus dimensions and the major goals set forth for these areas are as follows:

Technology Dimension 1: Learners and Their Environment

Goal: The district and schools will use research-proven strategies to provide home, school, and community environments conducive to our students' achieving technological literacy by the end of the eighth grade and to raise the overall level of academic achievement in South Carolina.

Technology Dimension 2: Professional Capacity

Goal: The district and schools will provide curriculum development and professional development to increase the competency of all South Carolina educators so that research-proven strategies and the effective integration of instructional technology systems can be used to increase student achievement.

Technology Dimension 3: Instructional Capacity

Goal: The district and schools will use current and emerging technologies to create learner-centered instructional environments that enhance academic achievement.

Technology Dimension 4: Community Connections

Goal: The district and schools will increase student achievement through the use of technology, including assistive technology, by maximizing community involvement and community partnerships.

Technology Dimension 5: Support Capacity

Goal: The district and schools will expand and support technology resources to assist educators and learners in meeting the state academic standards.

Each of these goals is followed by recommended implementation strategies and considerations that reflect aspects of the particular core dimension. Provided at the end of the five dimensions sections in the document is a cumulative list of benchmarks that are crafted to enable the technology planning committee to validate progress on an annual basis. Ensuring accountability, increasing access, and funding strategies are addressed after the operational plan.

DISTRICT NEEDS ASSESSMENT

Current Technology Needs

- Increase instructional equipment (i.e. smartboards, projectors, handheld computers, laptops, etc.)
- Upgrade servers
- Increase wide area network bandwidth
- Expand district administrator laptop initiative
- Deploy telephone in every classroom
- Expand instructional support staff for technology

Current Technology Inventory

- Over 9,000 PCs
- Over 800 laptops
- Over 200 SmartBoards
- Over 450 projectors
- Over 150 handheld computers
- Over 250 other interactive tablet devices
- Over 100 Servers
- Wireless overlay in every district facility

Current Technology Support Strategies

- Centralized district help desk
- One computer technician for every two schools
- Additional network support staff centrally located
- One certified technology integration specialist for each school
- Additional instructional technology support staff centrally located
- District level interdisciplinary team for planning and implementation

DISTRICT VISION AND MISION

Mission

The mission of Lexington County School District One, where caring people academics, arts, athletics and our community connect, is to enable all students to be thinking, productive and responsible citizens in an ever-changing world.

Vision

Lexington County School District One students will be self-directed, collaborative, creative and caring learners who will flourish in their future.

Beliefs

1. All people have inherent worth and deserve to be treated with respect.
2. All people want and need to experience success.
3. All individuals can learn and learn in different ways.
4. Learning is a life-long process that is essential for continuous growth.
5. Learning promotes an improved quality of life.
6. The family is crucial to the development and well-being of the individual.
7. Education is the responsibility of the entire community.
8. The quality of the community is directly related to the quality of the schools.
9. Individuals are responsible for the choices they make.
10. All individuals are responsible for the wise management of resources.
11. The teacher is the most compelling influence in the formal learning environment.
12. High expectations promote higher levels of achievement.
13. Quality education is worth the investment of time, effort and money.
14. A quality educational system fosters critical thinking, creativity, problem solving and cooperation.
15. The success of our democracy depends upon the quality of the public education system.

Strategies to accomplish mission

Strategy One

We will define district academic achievement standards and develop assessment measures that will determine if students have met standards in language arts, math, science and social studies.

Strategy Two

We will provide training and support for effective teaching and active learning, delivered in part via any time, any place, any pace digital learning strategies.

Strategy Three

We will integrate information management strategies and techniques throughout the curriculum and the district's support structure to help achieve the district's mission and objectives.

Strategy Four

We will develop and implement a plan, in partnership with our communities, businesses, churches and civic organizations to create world-class opportunities for students to participate in school-to-career activities.

Strategy Five

We will develop and implement a plan to provide students with extensive career and academic planning, to include an emphasis on emotional and social skills development, in preparation for the workplace of the 21st century.

Strategy Six

We will develop and implement a plan to create a positive, caring learning and working environment connecting parents, students, staff, and the community to achieve the district's mission and objectives.

Strategy Seven

We will develop a funding plan to accomplish the strategies in the strategic plan and to address growth in the district.

PLANS FOR THE FIVE INDIVIDUAL TECHNOLOGY DIMENSIONS

TECHNOLOGY DIMENSION 1

LEARNERS AND THEIR ENVIRONMENT

GOAL

Lexington County School District One will use research-proven strategies to provide home, school, and community environments conducive to our students' achieving technological literacy by the end of the eighth grade and to raise the overall level of academic achievement.



SNAPSHOT OF CURRENT TECHNOLOGY USE

Lexington County School District One currently has a massive plan of infusing technology into instructional program. This plan includes a laptop, projector, smartboard, document camera, and sound amplification system for every teacher. Students are currently using laptops, handheld computers, smartboards, and other technology in an interactive fashion in several on-going projects. Currently, over 90% of certified staff has completed a comprehensive competency assessment with a district goal of 100% by the end of the school year.

Lexington County School district current technology use for learners and their environment include:

- Internet access for all classrooms.
- Well-equipped computer labs at all schools.
- Wireless environment district wide.
- WAN access to network remediation software via 100 Mb connections at all schools which includes:
 - Benchmarking
 - SAT Prep Software
 - Accelerated Reader
 - NovaNet (On-line instructional software)
 - LexOne (On-line instructional software)
 - Riverdeep (On-line instructional software)
- Edline – LexConnect - (via the Internet) for teacher and staff posting/sharing information as well as student and parent access to student records (i.e. Grades, Transcripts, Attendance, Discipline, etc.)
- SASI - integrated software system designed to manage a wide array of school and student information

OPERATIONAL PLAN

I. OBJECTIVES AND STRATEGIES

GOAL: Lexington County School District One will use research-proven strategies to provide home, school, and community environments conducive to our students’ achieving technological literacy by the end of the eighth grade and to raise the overall level of academic achievement.

OBJECTIVES	STRATEGIES
<p>1.1 Students will use technology to acquire and demonstrate communication, collaboration, and engagement skills that are aligned with state standards across the curriculum and will thereby increase their level of academic achievement.</p>	<ul style="list-style-type: none"> A. Provide opportunities and resources to district schools to facilitate the development and implementation of effective communication and collaboration skills using technology in instructional content areas B. Conduct student projects that will yield sustained, engaged learning and collaboration in instructional content areas C. Recognize and promote best practices that successfully integrate technology, including assistive technology, into the curriculum D. Provide appropriate accommodations for students with special needs and hire a coordinator of assistive technology for special needs students
<p>1.2 Students will engage in authentic learning activities that are aligned with state standards and that integrate technology, including assistive technology, into the core content.</p>	<ul style="list-style-type: none"> A. Develop technology-enhanced learning activities aligned with state standards in instructional content areas and purchase software that aligns with state standards B. Expand technology integration specialist program to offer guidance to schools, train teachers, and help ensure that lesson plans and activities incorporate a variety of technologies, including those appropriate for students with special needs
<p>1.3 Students will select the appropriate tools to complete authentic, real-life multidisciplinary tasks and will demonstrate technology competence by the end of the eighth grade.</p>	<ul style="list-style-type: none"> A. Create and use lesson activities in which students employ a variety of technology tools, including assistive technology, to complete authentic multidisciplinary tasks B. Measure student technology proficiency by using surveys and performance-based assessments

I. OBJECTIVES AND STRATEGIES

GOAL: Lexington County School District One will use research-proven strategies to provide home, school, and community environments conducive to our students' achieving technological literacy by the end of the eighth grade and to raise the overall level of academic achievement.

OBJECTIVES	STRATEGIES
	<p>C. Provide all students, including those with special needs, access to a range of high and low technology solutions, including software, peripherals, and other tools to increase student communication, participation, and collaboration</p>
<p>1.4 District and the schools will provide students with an enhanced learning environment through technological tools, including assistive technology, which are designed to promote high academic achievement.</p>	<p>A. Establish school and community learning environments that enable students to use technology for real-world problem solving and research</p> <p>B. Adopt grade-level-appropriate technology standards and integrate them into the curriculum to enable students to fully participate in today's information-rich global society</p>

II. ACTION LIST

- District will coordinate access to an on-line database of technology-infused lesson plans and classroom examples across the core content areas in alignment with the state academic standards.
- District will provide access to effective, research-based assistive technologies—including software, peripherals, and other tools to increase student communication, collaboration, and engagement—that will support inclusion of students with disabilities in the core content courses at all grade levels.
- District will develop strategies to ensure that school improvement plans address the use of technology, including assistive technology, to support a shared learning environment that includes educators, parents, and community members.
- District will establish grade-level-appropriate technology standards and competencies based on the ISTE NETS-S.
- District will ensure improved student achievement test scores in the core content areas, increased student access to technology (shown by the SDE Technology Counts on-line survey), and increased student access to technology outside the school environment.
- Students themselves will be given opportunities to assess the effectiveness of technology tools, including the range of assistive technology, being used for classroom activities.
- District will complete initial and ongoing assessments to measure increased availability of technology opportunities and resources.
- Educators and parents will complete initial and follow-up assessments to ensure that the use of technology, including the range of assistive technology tools, is effective in enhancing student learning.
- District curriculum/technology teams will identify best practices of seamless technology integration that will be disseminated via on-line district resources
- District and schools will develop methods of recognizing student technology achievement, including the use of assistive technology.

III. IMPLEMENTATION ACTION STEPS

Lexington County School District One

- Assign technology integration specialists to each school to offer guidance
- Assign assistive technology coordinator to train teachers and help ensure that lesson plans and activities incorporate a variety of technologies in ways that make them accessible to individuals special needs
- Offer professional development courses using innovative delivery strategies
- Begin working with teachers in the classroom to create lesson plans that incorporate a variety of technologies into authentic multidisciplinary tasks
- Recognize exemplary technology teachers and students
- Hold technology fairs and instructional fairs that showcase exemplary student technology projects to the community
- Encourage home and community involvement in the public school system by electronic communications and other media

LCSD1 Schools

- Implement an on-line system for displaying student work such as e-mail projects, on-line and instructional projects
- Recognize exemplary student technology projects
- Hold “technology nights” that showcase exemplary student technology projects and technology teachers to the community
- Provide access to technology resources, including assistive technology, during nontraditional school hours
- Include goals and strategies for technology and assistive technology development in school improvement plans
- Encourage home and community involvement in the public school system through the use of electronic communications and other media

IV. FUNDING CONSIDERATIONS

Lexington County School District One

- Technology professional development
- Technology course development
- Technology staff
- Recognition programs
- Technology resources to support standards-based learning across the curriculum

LCSD1 Schools

- Technology professional development
- Technology course development
- Technology staff
- Recognition programs
- Technology resources to support standards-based learning across the curriculum

V. EVALUATION

Objectives	Possible Baseline Data	Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report	Outcomes (Include “action list” items achieved.)				
			JAN. 2006	JAN. 2007	JAN. 2008	JAN. 2009	JAN. 2010
<p>1.1 Students will use technology to acquire and demonstrate communication, collaboration, and engagement skills that are aligned with state standards across the curriculum and will thereby increase their level of academic achievement.</p>	<ul style="list-style-type: none"> • Statewide achievement test scores • District report cards • Technology surveys • School technology and improvement plans • District, school, and community surveys 	<ul style="list-style-type: none"> • Statewide achievement test scores • District report cards • Technology surveys • Observations and interviews • Anecdotal records • Documented access to on-line resources • Listing of recognition programs 					
<p>1.2 Students will engage in authentic learning activities that are aligned with state standards and that integrate technology, including assistive technology, into the core content.</p>							
<p>1.3 Students will select the appropriate tools to complete authentic, real-life multidisciplinary tasks and will demonstrate technology competence by the end of the eighth grade.</p>							
<p>1.4 The SDE, the school districts, and the schools will provide students with an extended learning environment through technological tools, including assistive technology, that are designed to promote high academic achievement.</p>							

TECHNOLOGY DIMENSION 2

PROFESSIONAL CAPACITY

GOAL

Lexington County School District One will provide curriculum development and professional development to increase the competency of all South Carolina educators so that research-proven strategies and the effective integration of instructional technology systems can be used to increase student achievement.



SNAPSHOT OF CURRENT TECHNOLOGY USE

Currently, Lexington County School District One uses a wide variety of curriculum and professional development strategies. Graduate level courses are offered through the College of Charleston and Limestone College in the areas of technology curriculum. Training sessions are periodically scheduled for all staff members in the area of technology. Technology Integration Specialists model the use of technology in the classrooms and provide extensive training for teachers and administrators.

OPERATIONAL PLAN

I. OBJECTIVES AND STRATEGIES

GOAL: Lexington County School District One will provide curriculum development and professional development to increase the competency of all South Carolina educators so that research-proven strategies and the effective integration of instructional technology systems can be used to increase student achievement.

OBJECTIVES	STRATEGIES
<p>2.1 District will enable educators to achieve and demonstrate proficiency in integrating state-recommended instructional technology standards (ISTE NETS-A, ISTE NETS-S, and ISTE NETS-T) into their specific area of professional practice to increase student achievement.</p>	<ul style="list-style-type: none"> A. Require a teacher competency process that requires demonstration of proficiency in integrating instructional technology standards B. Adopt a process that requires teachers to demonstrate ongoing proficiency in integrating instructional technology standards C. Include a professional development program that provides a guide for teachers to progress from their current levels of ability in using technology, including appropriate assistive technology, to full proficiency D. Require district and school administrators to demonstrate technology proficiencies based upon the state-recommended standards for administrators (ISTE NETS-A)
<p>2.2 District will provide the schools with full-time multidimensional technology leadership whose focus is to ensure that technology is making a significant instructional and administrative impact for students, teachers, and administrators.</p>	<ul style="list-style-type: none"> A. Appoint or hire full-time technology integration specialists to assist with basic technology skills and the integration of the technology into classroom instruction in every school B. Require that technology integration specialists provide direct training and consultation to teachers in their classrooms, with special emphasis on helping administrators, teachers, and students meet the state-recommended technology standards (ISTE NETS-A, ISTE NETS-T, ISTE NETS-S) as well as helping students to meet the state’s content standards in all areas
<p>2.3 District will collaborate in planning for professional development,</p>	<ul style="list-style-type: none"> A. Develop and submit a technology plan that (1) is directed by the district’s interdisciplinary

I. OBJECTIVES AND STRATEGIES

GOAL: Lexington County School District One will provide curriculum development and professional development to increase the competency of all South Carolina educators so that research-proven strategies and the effective integration of instructional technology systems can be used to increase student achievement.

OBJECTIVES	STRATEGIES
<p>ensuring that teachers and district staff are trained to use technology, including assistive technology, to enhance learning.</p>	<p>team, (2) is designed for the district and for each school in the district as applicable, and (3) calls for site-based input from technology committees or teams in each building</p> <p>B. Include in district technology plans professional development for district staff and teachers</p> <p>C. Include in district technology plans the training needed to ensure the accessibility of electronic and information technology to students with special needs</p> <p>D. Include in district technology plans the training needed for school and district staff to evaluate software in order to make decisions that ensure the promotion of higher-order thinking skills for all students, including those with special needs and establish a district software committee</p>
<p>2.4 District will provide schools with information and training in technology integration so that teachers can use research-based best-practice instructional methods throughout the curriculum.</p>	<p>A. Offer professional development activities and training in a variety of ways (i.e., on-site, off-site, on-line, self-paced, and combinations of these methods) to address the technology needs of staff, paying special attention to high-need schools and schools serving economically disadvantaged populations, including students with special needs</p> <p>B. Provide a list of professional development opportunities on the district website</p> <p>C. Provide professional development opportunities focused on aligning state technology standards with state content standards</p> <p>D. Develop alliances with professional organizations to promote technology</p>

I. OBJECTIVES AND STRATEGIES

GOAL: Lexington County School District One will provide curriculum development and professional development to increase the competency of all South Carolina educators so that research-proven strategies and the effective integration of instructional technology systems can be used to increase student achievement.

OBJECTIVES	STRATEGIES
	<p style="text-align: center;">integration throughout the K–12 curriculum</p> <p>E. Increase the availability of technology professional development tools to teachers: access to laptop computers and presentation devices, Internet access at the classroom level, interactive on-line access to state curriculum standards and lesson plans, access to Web-based and/or CD-ROM-based training opportunities, and access to state-of-the art training centers</p> <p>F. Develop a network of professional development providers who have the skills and experience necessary to prepare teachers for effective technology use</p>
<p>2.5 District will assess the overall effectiveness of professional development in the area of instructional technology standards and the impact of technology on student achievement.</p>	<p>A. Establish minimum levels of teacher and administrator technology proficiency</p> <p>B. Incorporate instructional technology assessment into current teacher and administrator evaluation processes</p> <p>C. Administer evaluations to determine the effectiveness and impact of the professional development offered to teachers and administrators</p> <p>D. Encourage teachers to create and maintain web pages showing examples of their students’ work and documenting use of technology in their classrooms</p> <p>E. Develop an on-line professional development tracking system of teachers and administrators</p>

II. ACTION LIST

- District will hire or appoint full-time leadership for the use of technology, including that for assistive technology, to increase student learning.
- Leadership committees will include participants such as educators (including special educators), therapists, school administrators, parents, and media specialists.
- The existing regional alliance structure that brings together service providers from the various groups should be strengthened. Each alliance should work to develop at least one technology initiative during each year that involves all members.
- District will utilize the expertise of staff members and faculty
- A school technology integration specialist will be hired or appointed
- An assistive technology specialist will be hired and an assistive technology assessment team will be developed.
- District will submit to the SDE an annual technology plan that documents site-based input and includes a plan for professional development that outlines the technology education offerings and requirements, including assistive technology.
- District will work with the Office of Curriculum and Standards to develop recommendations for teacher professional development plans, integrating technology and content standards into professional development opportunities.
- District and school administrators will submit to their supervisors an annual professional development plan that includes technology goals aligned with ISTE NETS-A and that is reviewed as part of the administrator's annual evaluation.
- District will provide training to district- and building-level administrators so that they can effectively assess a teacher's ability to integrate technology, including assistive technology, into the curriculum.
- District will provide training for assistive technology teams in assistive-technology assessment, options, and curriculum integration.
- District will provide training for teachers in using assistive technology tools.
- District will provide training in the evaluation of software in order to make decisions that ensure the promotion of higher-order thinking skills for all students, including those with special needs.
- District will provide training in accessibility issues involving applicable state and federal legislation.
- Teachers will maintain web pages that include sample lesson plans indicating increased technology integration across the core content areas in alignment with the state academic standards.
- District will develop or adopt on-line assessment instruments and make them available to all school districts in the state to determine teachers' level of technology proficiency.

II. ACTION LIST

- District-developed tracking tools (electronic or Web-based surveys) of professional activities will be completed each year in conjunction with ADEPT (Assisting, Developing, and Evaluating Professional Teaching) or other district evaluation procedures that include an instructional technology component.
- District reports and evaluations of professional development initiatives and reports on the use of technology grant funds should show an increase in access to professional development.

III. IMPLEMENTATION ACTION STEPS

Lexington County School District One

- Submit a technology plan, including a professional development plan, to the Office of Technology for approval
- Administer a district technology professional development assessment to administrators and teachers to evaluate current training need areas and to create the district technology professional development plan on the basis of current needs
- Participate in ongoing, sustained professional development offerings
- Submit teacher technology proficiency assurance forms to the Office of Technology by the announced deadline
- Initiate partnerships with community entities to create greater access to technology, including assistive technology, and a community learning environment
- Administer needs assessments to identify areas of weakness and follow up with assessments that measure the impact of professional development in technology
- Evaluate and adjust technology professional development plans as indicated by needs assessments

LCSD1 Schools

- Submit a technology plan, including a professional development plan, to the local district office
- Hire a school technology integration specialist who is knowledgeable about assistive technologies for each school and will submit training and needs reports to the district instructional technology director
- Administer needs assessments to identify areas of weakness and follow up with assessments that measure the impact of professional development in technology
- Monitor and adjust professional development in technology as indicated by needs assessments

IV. FUNDING CONSIDERATIONS

Lexington County School District One

- Development of professional development plans
- Committee development of district and school technology plans
- Professional development needs-assessment tools
- Evaluation tools to measure the impact and effectiveness of technology professional development
- Evaluation experts to help show the impact of programs and initiatives
- High-quality sustained professional development programs offered via innovative delivery methods
- Scientifically based research

LCSD1 Schools

- Committee development of district and school technology plans
- School technology integration specialist salary
- Professional development needs-assessment tool
- Evaluation tools to measure the impact and effectiveness of technology professional development
- Evaluation experts to help show the impact of programs and initiatives
- Scientifically based research programs

V. EVALUATION

Objectives	Possible Baseline Data	Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report	Outcomes (Include "action list" items achieved.)				
			JAN. 2006	JAN. 2007	JAN. 2008	JAN. 2009	JAN. 2010
<p>2.1 District will enable educators to achieve and demonstrate proficiency in integrating state-recommended instructional technology standards (ISTE NETS-A, ISTE NETS-S, and ISTE NETS-T) into their specific area of professional practice to increase student achievement.</p>	<ul style="list-style-type: none"> Statewide achievement test scores District report cards Teacher technology proficiency proviso forms 	<ul style="list-style-type: none"> Statewide achievement test scores District report cards Professional development tracking and surveys Teacher technology proficiency proviso forms 					
<p>2.2 District will provide the schools with full-time multidimensional technology leadership whose focus is to ensure that technology is making a significant instructional and administrative impact for students, teachers, and administrators.</p>	<ul style="list-style-type: none"> Professional development surveys School technology and improvement plans 	<ul style="list-style-type: none"> Observations and interviews Anecdotal records Documented access to on-line resources 					
<p>2.3 District will collaborate in planning for professional development, ensuring that teachers and district staff are trained to use technology, including assistive technology, to enhance learning.</p>	<ul style="list-style-type: none"> SCTLC "Training" tab Technology assessments 	<ul style="list-style-type: none"> SCTLC "Training" tab Technology assessments 					
<p>2.4 District will provide schools with information and training in technology integration so that teachers can use research-based best-practice instructional methods throughout the curriculum.</p>							

V. EVALUATION

Objectives	Possible Baseline Data	Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report	Outcomes (Include "action list" items achieved.)				
			JAN. 2006	JAN. 2007	JAN. 2008	JAN. 2009	JAN. 2010
District will assess the overall effectiveness of professional development in the area of instructional technology standards and the impact of technology on student achievement							

TECHNOLOGY DIMENSION 3

INSTRUCTIONAL CAPACITY



GOAL

Lexington County School District One will use current and emerging technology to create learner-centered instructional environments that enhance academic achievement.

SNAPSHOT OF CURRENT TECHNOLOGY USE

Lexington County School District One's current instructional capacity includes:

- Internet access for all classrooms.
- Wireless environment district wide.
- Cisco Routers and 100/1000 Mb Switches at all schools.
- Well-equipped computer labs at all schools with network printers.
- WAN access to network remediation software via 100 Mb connections at all schools which includes:
 - Benchmarking
 - SAT Prep Software
 - Accelerated Reader
 - NovaNet (On-line instructional software)
 - LexOne (On-line instructional software)
 - Riverdeep (On-line instructional software)
- Edline – LexConnect - (via the Internet) for student and parent access to student records (i.e. Grades, Transcripts, Attendance, Discipline, etc.)
- E-mail and Web Servers at all schools.

OPERATIONAL PLAN

I. OBJECTIVES AND STRATEGIES

GOAL: Lexington County School District One will use current and emerging technology to create learner-centered instructional environments that enhance academic achievement.

OBJECTIVES	STRATEGIES
<p>3.1 District will develop a technology framework for local planning that addresses the steps necessary to create a technology-rich environment that will foster increased achievement by all students, including those with special needs.</p>	<p>A. Ensure that curricular design, instructional strategies, and learning environments integrate appropriate technologies (including the range of assistive technology options) to significantly impact teaching and learning</p> <p>B. Facilitate the use of technologies to support and enhance instructional methods (including the use of hardware, software, and assistive technology) that develop higher-level thinking, decision-making, and problem-solving skills</p>
<p>3.2 District and schools will provide teachers with the technology resources, including assistive technology, necessary to increase academic achievement by engaging students in active learning.</p>	<p>Provide teachers with access to knowledgeable personnel, productivity tools, on-line services, media-based instructional materials, and primary sources of data in settings that enrich and extend teaching goals</p>
<p>3.3 District and schools will provide students with access to current and emerging technology resources that will extend their learning beyond the traditional classroom setting and schedule.</p>	<p>Provide students with access to technology, on-line services, and media-based instructional materials, allowing them to select appropriate tools that will enrich and extend their learning</p>
<p>3.4 District will provide and support a variety of multimedia equipment and software for teaching and learning.</p>	<p>A. Communicate via the district technology plan a vision for multimedia infrastructure designed to support instruction</p> <p>B. Establish a system for identifying, specifying, prioritizing, and managing equipment for multimedia development in direct support of curricular and professional development objectives</p>

II. ACTION LIST

- District will conduct technology planning meetings to address curricular design, instructional needs of all teachers, instructional strategies, and appropriate learning environments.
- District will conduct technology planning meetings to address the inclusion of appropriate assistive technology into curricular design, instructional strategies, and learning environments (general and special education).
- District will pursue funding opportunities such as grants to provide funds to acquire and maintain hardware and software for use in classroom instruction.
- District will pursue funding opportunities such as grants to acquire and maintain assistive technology for use in classroom instruction and home access when appropriate.
- Student products resulting from the integration of technology into the core curriculum areas will be displayed and documentation of student presentations that illustrate the ability to synthesize and analyze information.

III. IMPLEMENTATION ACTION STEPS

Lexington County School District One

- Conduct technology curriculum planning meetings
- Include an instructional technology plan that includes assistive technology strategies in the technology plan
- Create methods of gauging technology readiness
- Evaluate hardware and software for desirable student outcomes and standardize selection when appropriate
- Designate technology leaders
- Participate in ongoing, sustained professional development offerings
- Submit teacher technology proficiency assurance forms to the Office of Technology by the announced deadline
- Initiate partnerships with community entities to create greater access to technology and a community learning environment
- Pursue funding opportunities such as grants to acquire and maintain hardware, instructional software, and assistive technology
- Pursue the delivery of courses for students and professional development courses for teachers via innovative methods

LCSD1 Schools

- Conduct technology curriculum planning meetings
- Submit a technology plan, including a professional development plan, to the district office
- Hire a school technology integration specialist who is knowledgeable about assistive technologies for each school and will submit training and needs reports to the director of instructional technology
- Interview students to assess information literacy and the integration of technology into the classroom
- Pursue funding opportunities such as grants to acquire and maintain hardware, instructional software, and assistive technology

IV. FUNDING CONSIDERATIONS

Lexington County School District One

- Committee development of district and school technology plans
- Evaluation tools to measure the impact and effectiveness of the integration of technology with regard to student achievement
- Evaluation experts to help show the impact of programs and initiatives
- Scientifically based research
- Distance learning/On-line learning
- Eighth-grade proficiency measurement
- School technology integration specialist implementation
- Professional development

LCSD1 Schools

- Committee development of district and school technology plans
- School technology integration specialist implementation
- Professional development needs-assessment tools
- Evaluation tools to measure the impact and effectiveness of the integration of technology with regard to student achievement
- Evaluation experts to help show the impact of programs and initiatives
- Scientifically based research
- Professional development

V. EVALUATION

Objectives	Possible Baseline Data	Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report	Outcomes (Include "action list" items achieved.)				
			JAN. 2006	JAN. 2007	JAN. 2008	JAN. 2009	JAN. 2010
<p>3.1 District will develop a technology framework for local planning that addresses the steps necessary to create a technology-rich environment that will foster increased achievement by all students, including those with special needs.</p>	<ul style="list-style-type: none"> • Statewide achievement test scores • Technology readiness and access surveys • District report cards 	<ul style="list-style-type: none"> • Statewide achievement test scores • District report cards • Technology readiness and access surveys • Teacher technology proficiency proviso forms 					
<p>3.2 District and schools will provide teachers with the technology resources, including assistive technology, necessary to increase academic achievement by engaging students in active learning.</p>	<ul style="list-style-type: none"> • Teacher technology proficiency proviso forms • School technology and improvement plans 	<ul style="list-style-type: none"> • Observations and interviews • Anecdotal records • Documented access to on-line resources 					
<p>3.3 District and schools will provide students with access to current and emerging technology resources that will extend their learning beyond the traditional classroom setting and schedule.</p>	<ul style="list-style-type: none"> • Technology assessments • Documentation of offerings provided via innovative delivery methods 	<ul style="list-style-type: none"> • Technology assessments • Documentation of offerings provided via innovative delivery methods 					
<p>3.4 District will provide and support a variety of multimedia equipment and software for teaching and learning.</p>							

TECHNOLOGY DIMENSION 4

COMMUNITY CONNECTIONS



GOAL

Lexington County School District One will increase student achievement through the use of technology, including assistive technology, by maximizing community involvement and community partnerships.

SNAPSHOT OF CURRENT TECHNOLOGY USE

Currently, Lexington County School District One schools maximizes community involvement and community partnerships in the area of technology by:

- Edline (LexConnect) - This software allows teachers and other staff of post/share information as well as allows parents and students access student records via the Internet. This is a secure link that uses a high level of security.
- Media Center Access
 - Several school media centers are open to students and the general public after hours for homework and for other needs.
- The Technology Center Training Lab
 - Many community and business organizations use The Technology Center Training Lab.
- Riverdeep software provides web-based instructional software for home use in both reading and math. The “discovery” portion of this software is specifically designed to support classroom instruction.
- NovaNet is a web-based product designed to provide high school and middle school coursework on-line. It is being used for several homebound students.
- LexOne is a virtual on-line high school program for out-of-school coursework opportunities.

OPERATIONAL PLAN

I. OBJECTIVES AND STRATEGIES

GOAL: Lexington County School District One will increase student achievement through the use of technology, including assistive technology, by maximizing community involvement and community partnerships.

OBJECTIVES	STRATEGIES
<p>4.1 District will establish community technology partnerships and collaborations by providing tools, resources, and training that support student transition, achievement, and outcomes. (The term <i>community</i> includes parents, businesses, state and local agencies, nonprofit groups, and institutions of higher education.)</p>	<ul style="list-style-type: none"> A. Form district-community partnerships to provide students with real-world experiences in the use of technology, including assistive technology, that enhance academic achievement B. Provide recognition/reward programs and/or incentives for partnerships showing impact C. Write community-collaborative technology grants to develop and fund the use of technology to improve teaching and learning D. Form district-community partnerships to facilitate the use of technology, including assistive technology, in the public schools and to improve outcomes for students transitioning from school to work or higher education
<p>4.2 District will fully utilize all available resources by fostering collaboration and cooperation among state-supported organizations, institutions, and initiatives.</p>	<ul style="list-style-type: none"> A. Identify all of the organizations, institutions, and initiatives that are currently focused on instructional technology applications B. Partner with other school districts as well as community entities to collaborate in order to provide assistive technology demonstration, loan, and assessment for students with special needs
<p>4.3 District will provide after-hours training and community access to labs, media centers, and classrooms.</p>	<ul style="list-style-type: none"> A. Create and publish flexible schedules of after-hours technology access and training for students, parents, teachers, and community members B. Create opportunities for access to facilities for after-hours assistive technology training for students, parents, teachers, and community members

I. OBJECTIVES AND STRATEGIES

GOAL: Lexington County School District One will increase student achievement through the use of technology, including assistive technology, by maximizing community involvement and community partnerships.

OBJECTIVES	STRATEGIES
<p>4.4 District will ensure that all their buildings are linked by the Internet to the State Library's DISCUS databases and to the Web sites of universities, museums, and other institutions to facilitate virtual communication between home, school, and community.</p>	<p>Host an electronic list through the district and school websites</p>

II. ACTION LIST

- Districts and schools will initiate and increase community collaborations that give students, teachers, and members of the local community increased access to and training in technology, including assistive technology.
- Districts and schools will publish school lab schedules showing after-hours technology access and training.
- Districts will maintain logs of professional development, community offerings, and internship opportunities in technology.
- District will publicize successful collaborations with outside entities in the demonstration, loan, and assessment of assistive technology.
- District will post successful technology grant applications on the Internet for others to use as models
- District will develop lists of possible partner organizations, institutions, and initiatives.
- District surveys will provide increased access and use of school facilities for after-hours technology training.
- District will develop flexible technology training schedules.

III. IMPLEMENTATION ACTION STEPS

Lexington County School District One

- Submit a technology plan, including a professional development plan, to the Office of Technology for approval
- Encourage flexible lab, media center, and classroom hours among schools, including opportunities for community members to see and try assistive technology
- Initiate partnerships with community entities to create greater access to technology and a community learning environment
- Include members of the community in writing technology grants to develop and fund better teaching and learning through technology, including assistive technology

LCSD1 Schools

- Submit a technology plan, including a community partnership plan, to the local district office
- Distribute parent and community information
- Develop, implement, and publicize flexible lab, media center, and classroom hours, including opportunities for community members to see and try assistive technology.
- Initiate partnerships with community entities to create greater access to technology and a community learning environment
- Include members of the community in writing technology grants to develop and fund better teaching and learning through technology, including assistive technology

IV. FUNDING CONSIDERATIONS

Lexington County School District One

- Evaluation experts to help show impact of community programs and initiatives
- High-quality sustained community training technology programs offered via innovative delivery methods
- Community and apprentice internships
- Facility operation beyond the regular school day
- District survey administration, collection and analysis, and reporting
- Grant-writing experts and workshops

LCSD1 Schools

- Evaluation experts to help show the impact of community programs and initiatives
- High-quality sustained community training technology programs offered via innovative delivery methods
- Community internships
- Facility operation beyond the regular school day
- School survey administration, collection and analysis, and reporting

V. EVALUATION

Objectives	Possible Baseline Data	Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report	Outcomes (Include "action list" items achieved.)				
			JAN. 2006	JAN. 2007	JAN. 2008	JAN. 2009	JAN. 2010
<p>4.1 District will establish community technology partnerships and collaborations by providing tools, resources, and training that support student transition, achievement, and outcomes. (The term <i>community</i> includes parents, businesses, state and local agencies, nonprofit groups, and institutions of higher education.)</p>	<ul style="list-style-type: none"> • Statewide achievement test scores • Lab, media center, and classroom schedules • SDE Technology Counts survey • School technology plans • Documentation of offerings provided via innovative delivery methods 	<ul style="list-style-type: none"> • Statewide achievement test scores • Lab, media center, and classroom schedules • SDE Technology Counts survey • School technology plans • Observations and interviews • District and school Web site information • Documentation of offerings provided via innovative delivery methods • Districts and school list of grants and community partnerships 					
<p>4.2 District will fully utilize all available resources by fostering collaboration and cooperation among state-supported organizations, institutions, and initiatives.</p>							
<p>4.3 District will provide after-hours training and community access to labs, media centers, and classrooms.</p>							
<p>4.4 District will ensure that all their buildings are linked by LAN, WAN, and/or the Internet to the State Library's DISCUS databases and to the Web sites of universities, museums, and other institutions to facilitate virtual communication between home, school, and community.</p>							

TECHNOLOGY DIMENSION 5

SUPPORT CAPACITY

GOAL

Lexington County School District One will expand and support technology resources to assist educators and learners in meeting the state academic standards.



SNAPSHOT OF CURRENT TECHNOLOGY USE

Currently, Lexington County School District One is working to expand and support its technology in an effort to assist educators and learners in meeting the state academic standards. LCSD1 prides itself on a well-developed network infrastructure. The district's Career and Technology Center continues to use rigorous competency-based curriculum enhanced with the opportunities of work-based learning experiences. With over 90% of teachers meeting rigorous competency standards, the district is having a difficult time meeting demand for new instructional equipment, refreshing older equipment and providing an on-time delivery of training.

OPERATIONAL PLAN

I. OBJECTIVES AND STRATEGIES

GOAL: Lexington County School District One will expand and support technology resources to assist educators and learners in meeting the state academic standards.

OBJECTIVES	STRATEGIES
<p>5.1 District will ensure that all students, including those with special needs, and teachers have access to electronic information resources.</p>	<ul style="list-style-type: none"> A. Maintain a technology inventory that includes the status of current network/Internet access, workstations and other devices available for access, software applications available for addressing state academic standards, peripherals, and other factors related to universal access to network resources B. Conduct needs assessments (1) to identify required network components, workstations, and other devices needed for network access, including assistive technology devices, and (2) to identify and evaluate software applications required to meet academic needs as well as peripherals and other resources required to create universal access to network resources C. Create a district strategic plan for acquiring and implementing the technology, including assistive technology, that is required to provide universal access to network resources D. Develop the district strategic plan with input from all segments of the school community—students, teachers, therapists, administrators, parents, community members, community agencies, and local businesses—and include in the plan a mechanism for review and evaluation of the plan E. Seek school and district funding from available local, state, and federal sources, including E-rate, grants, and bonds
<p>5.2 District will ensure that their schools have an integrated, secure network infrastructure with dynamic</p>	<ul style="list-style-type: none"> A. Communicate in the district technology plan a vision for multimedia infrastructure designed to support instruction

I. OBJECTIVES AND STRATEGIES

GOAL: Lexington County School District One will expand and support technology resources to assist educators and learners in meeting the state academic standards.

OBJECTIVES	STRATEGIES
<p>bandwidth capacity to support fully converged networks that allow for communication, data collection and distribution, and distance learning.</p>	<ul style="list-style-type: none"> B. Establish a system for identifying, specifying, prioritizing, and managing equipment for multimedia development in direct support of curricular and professional development objectives C. Ensure the installation, maintenance, and support of multimedia-capable teacher stations in classrooms including projectors to support large-group instruction D. Research and implement an integrated network infrastructure capable of utilizing all distribution modules E. Use bundled distribution packages as a primary means of distribution to manage fully converged networks F. Install and maintain networks, virus protection, and Internet filtering according to industry standards by implementing systemic, state-of-the-art network security tools at all levels of access to LANs, WANs, and other networks G. Assess LAN/WAN technology currently implemented to determine SNMP (simple network management protocol) compliance H. Implement a district network management tool that performs automated software installation
<p>5.3 The school districts will have qualified technical staff, including one networking engineer per WAN or per ten LANs, one networking technician per LAN, and one end-user support technician per every five hundred users.</p>	<ul style="list-style-type: none"> A. Develop district minimum staffing requirements and job descriptions, with a district-guided salary schedule, for the positions of networking engineer, networking technician, educational technology director, and support technician B. Provide district-level network support
<p>5.4 District will implement a disaster recovery plan for all points of failure in LANs and WANs, including</p>	<ul style="list-style-type: none"> A. Ensure that disaster recovery plans are included in the district emergency procedures B. Ensure that schools will have electrical

I. OBJECTIVES AND STRATEGIES

GOAL: Lexington County School District One will expand and support technology resources to assist educators and learners in meeting the state academic standards.

OBJECTIVES	STRATEGIES
<p>redundant data storage, robust automated backup, and immediate hardware recovery.</p>	<p>distribution systems that provide isolated circuits in all classrooms and redundant power sources for mission-critical equipment</p> <p>C. Implement a district management application that monitors bandwidth on the LAN and WAN and provides network failure alarms that can be accessed remotely</p>
<p>5.5 District will implement an obsolescence and upgrade plan to replace and recycle equipment and software.</p>	<p>Ensure that the obsolescence and upgrade plans are included in the district technology plan</p>
<p>5.6 District will increase their ability to design Web pages and Web-based instruction that are accessible to students and staff with special needs in accordance with Section 508 of the Rehabilitation Act of 1973 as amended by the Workforce Improvement Act of 1998.</p>	<p>Provide training in basic Web page accessibility principles to staff, teachers—and, when appropriate, students—who design Web pages as part of the curriculum</p>

II. ACTION LIST

- District will have access to a database with a complete technology inventory, including assistive technology, showing the type of equipment/device, its location, its use, peripherals to which it has access, applications to which it has access, and other relevant information.
- District will maintain a needs-assessment document showing technology-based resources and applications required to address the mission of the district, including networking, hardware/devices, and software applications as well as assistive technology.
- District will include in its local budgets line items for technology, including assistive technology, with sufficient funding to implement the designated strategies.
- District will publish a procedure for the perpetual review of equipment used in multimedia development processes. Reviews should quantify equipment and processes by their impact on teaching and learning.
- District will maintain a strategic plan for acquiring and implementing technology, including

II. ACTION LIST

assistive technology, for universal access to network resources. This document should show the strategies for addressing the identified needs, the persons responsible for addressing and completing each strategy, and the resources/funds necessary to fully implement the strategies.

- District technology plans should include a strategic vision for building a multimedia infrastructure to support instruction.
- District emergency procedures will include a disaster recovery plan.
- District technology plans should include an obsolescence and upgrade plan, including strategies to refurbish, resell, recycle, or donate obsolete devices.
- District policies outlined in district technology plans should include security accountability, virus protection, and Internet filtering guidelines.
- District technology plans should provide for outlets and amperage and for meeting industry standards and building codes.
- District will use professional discussion groups to share the results of their research about the implementation of integrated network infrastructures and bundled distribution practices.
- District will use the SDE Technology Counts on-line survey to report on their use of network management tools.
- District will ensure that new school construction provides for isolated power in each classroom, computer lab, telecommunications closet, and work area.
- District will provide UPS (uninterruptible power supply) systems for all critical equipment.
- District will use the minimum staffing and salary requirements for the positions specified in objective 4.3.
- District will have a network manager.
- District staff, teachers, and students will be aware of basic Web accessibility guidelines when designing Web pages.
- District will designate a Web accessibility resource person to coordinate training and information sharing among district personnel.

III. IMPLEMENTATION ACTION STEPS

Lexington County School District One

- Maintain technology inventories, including assistive technology
- Conduct needs assessments to identify required technology, including assistive technology
- Create a strategic technology plan that includes strategies for acquiring, managing, and implementing required technology, including assistive technology
- Implement a district disaster recovery plan and an obsolescence and upgrade plan
- Seek funding from local, state, and federal sources
- Encourage and publicize flexible access schedules
- Create a vision for a multimedia infrastructure
- Encourage schools to provide multimedia-capable workstations
- Research and implement an integrated network infrastructure
- Use bundled distribution packages to manage fully converged networks
- Install and maintain secure networks
- Employ staff for adequate network maintenance and support
- Implement a district management application that monitors bandwidth on the LAN and WAN
- Ensure that schools have adequate electrical distribution systems
- Publish procedures and schedules for review of equipment and software used in multimedia development including rubrics for judging impact on teaching and learning
- Provide schools with the necessary guidance and training in creating Web pages to ensure that electronic information is accessible to students and teachers with special needs

LCSD1 Schools

- Create a strategic technology plan that includes strategies for acquiring and implementing required technology, including assistive technology
- Seek funding from local, state, and federal sources
- Create flexible schedules for access to technology
- Provide multimedia-capable workstations
- Install and maintain secure networks
- Employ staff for adequate network maintenance and support
- Provide adequate electrical distribution systems

IV. FUNDING CONSIDERATIONS

IV. FUNDING CONSIDERATIONS

Lexington County School District One

- Technology committee meetings to develop products such as the multimedia infrastructure plan and the disaster recovery plan
- Materials to publish an updated technology plan
- Multimedia teacher workstations including data projectors
- Hardware and software to secure all LANs and WANs to comply with district, state, and industry standards
- Technology director, networking engineer, and networking technician
- Equipment inventory assessment program
- Isolated circuit plan
- Support planning
- Technology needs assessments and surveys

LCSD1 Schools

- Technology committee meetings to develop products such as the multimedia infrastructure plan and the disaster recovery plan
- Materials to publish an updated technology plan
- Multimedia teacher workstations including data projectors
- Hardware and software to secure all LANs and WANs to comply with district, state, and industry standards
- Support planning
- Technology needs assessments and surveys

V. EVALUATION

Objectives	Possible Baseline Data	Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report	Outcomes (Include “action list” items achieved.)				
			JAN. 2006	JAN. 2007	JAN. 2008	JAN. 2009	JAN. 2010
<p>5.1 District will ensure that all students, including those with special needs, and teachers have access to electronic information resources.</p>	<ul style="list-style-type: none"> Statewide achievement test scores District report cards 	<ul style="list-style-type: none"> Statewide achievement test scores District report cards 					
<p>5.2 District will ensure that their schools have an integrated, secure network infrastructure with dynamic bandwidth capacity to support fully converged networks that allow for communication, data collection and distribution, and distance learning .</p>	<ul style="list-style-type: none"> Professional development tracking and surveys District, school, and community surveys School technology and improvement plans 	<ul style="list-style-type: none"> Professional development tracking and surveys Observations and interviews Documented access to technology resources District, school, and community surveys 					
<p>5.3 District will have qualified technical staff, including one networking engineer per WAN or per ten LANs, one networking technician per LAN, and one end-user support technician per every five hundred users.</p>	<ul style="list-style-type: none"> Documented access to technology resources Technology needs assessments 	<ul style="list-style-type: none"> School technology and improvement plans Documented access to technology resources Technology needs assessments 					
<p>5.4 District will implement a disaster recovery plan for all points of failure in LANs and WANs, including redundant data storage, robust automated backup, and immediate hardware recovery.</p>	<ul style="list-style-type: none"> SDE Technology Counts on-line survey Budget data 	<ul style="list-style-type: none"> SDE Technology Counts on-line survey Budget data State personnel reports 					
<p>5.5 District will implement an obsolescence and upgrade plan to replace and recycle equipment and software.</p>	<ul style="list-style-type: none"> State personnel reports 						

V. EVALUATION

Objectives	Possible Baseline Data	Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report	Outcomes (Include "action list" items achieved.)				
			JAN. 2006	JAN. 2007	JAN. 2008	JAN. 2009	JAN. 2010
<p>5.6 District will increase their ability to design Web pages and Web-based instruction that are accessible to students and staff with special needs in accordance with Section 508 of the Rehabilitation Act of 1973 as amended by the Workforce Improvement Act of 1998.</p>							

CUMULATIVE TARGETS AND BENCHMARKS

Note: These targets and benchmarks will be monitored and adjusted annually.

2005–06

Learners and Their Environment

- Thirty percent of Lexington One’s students will have created a technology document through the use of a variety of technology tools to complete authentic tasks.
- Thirty percent of Lexington One’s students will possess effective communication skills and technology literacy as evidenced by teacher and student technology presentations.
- Sixty percent of Lexington One’s teachers will possess technology proficiency as evidenced by teacher technology proficiency assurance forms.
- Seventy percent of Lexington One’s schools will have a technology integration specialist who trains teachers and visits classrooms to help teachers integrate technology into the curriculum.

Instructional Capacity

- Forty percent of the district’s teachers will integrate technology and information literacy skills into their teaching of the South Carolina academic standards as evidenced by the technology proficiency assurance forms and teacher web pages.
- Forty percent of district’s students will meet the information literacy and technology skills for their grade level as found on the SDE’s performance matrix for information literacy and technology education.

Community Connections

- Forty percent of the district’s schools will provide and document professional development training in how to access and use available community resources. Results will be reported on the SDE on-line professional development tracking system.
- Twenty percent of the district’s elementary, middle, and high schools will provide access to technology-related facilities after hours for parents, teachers, and community members.

Support Capacity

- The district will include in its technology plan an assessment of their current technology needs, their current technology inventory, and their current technology support strategies.

2006–07

Learners and Their Environment

- Forty percent of Lexington One’s students will have created a technology document through the use of a variety of technology tools to complete authentic tasks.
- Forty percent of Lexington One’s students will possess effective communication skills and technology literacy as evidenced by teacher and student technology presentation.
- Seventy percent of Lexington One’s teachers will possess technology proficiency as evidenced by teacher technology proficiency assurance forms.

- Seventy percent of Lexington One's schools will have a technology integration specialist who trains teachers and visits classrooms to help teachers integrate technology into the curriculum.

Instructional Capacity

- Fifty percent of the district's teachers will integrate technology and information literacy skills into their teaching of the South Carolina academic standards as evidenced by the technology proficiency assurance forms and teacher web pages.
- Fifty percent of district's students will meet the information literacy and technology skills for their grade level as found on the SDE's performance matrix for information literacy and technology education.

Community Connections

- Fifty percent of the district's schools will provide and document professional development training in how to access and use available community resources. Results will be reported on the SDE on-line professional development tracking system.
- Thirty percent of the district's elementary, middle, and high schools will provide access to technology-related facilities after hours for parents, teachers, and community members.

Support Capacity

- The district will include in its technology plan an assessment of their current technology needs, their current technology inventory, and their current technology support strategies.

2007-08

Learners and Their Environment

- Fifty percent of Lexington One's students will have created a technology document through the use of a variety of technology tools to complete authentic tasks.
- Fifty percent of Lexington One's students will possess effective communication skills and technology literacy as evidenced by teacher and student technology presentation.
- Eighty percent of Lexington One's teachers will possess technology proficiency as evidenced by teacher technology proficiency assurance forms.
- Ninety percent of Lexington One's schools will have a technology integration specialist who trains teachers and visits classrooms to help teachers integrate technology into the curriculum.

Instructional Capacity

- Sixty percent of the district's teachers will integrate technology and information literacy skills into their teaching of the South Carolina academic standards as evidenced by the technology proficiency assurance forms and teacher web pages.
- Sixty percent of district's students will meet the information literacy and technology skills for their grade level as found on the SDE's performance matrix for information literacy and technology education.

Community Connections

- Sixty percent of the district's schools will provide and document professional development training in how to access and use available community resources. Results will be reported on the SDE on-line professional development tracking system.
- Forty percent of the district's elementary, middle, and high schools will provide access to technology-related facilities after hours for parents, teachers, and community members.

Support Capacity

- The district will include in its technology plan an assessment of their current technology needs, their current technology inventory, and their current technology support strategies.

2008–09

Learners and Their Environment

- Sixty percent of Lexington One's students will have created a technology document through the use of a variety of technology tools to complete authentic tasks.
- Sixty percent of Lexington One's students will possess effective communication skills and technology literacy as evidenced by teacher and student technology presentation.
- Ninety percent of Lexington One's teachers will possess technology proficiency as evidenced by teacher technology proficiency assurance forms.
- One hundred percent of Lexington One's schools will have a technology integration specialist who trains teachers and visits classrooms to help teachers integrate technology into the curriculum.

Instructional Capacity

- Seventy percent of the district's teachers will integrate technology and information literacy skills into their teaching of the South Carolina academic standards as evidenced by the technology proficiency assurance forms and teacher web pages.
- Seventy percent of district's students will meet the information literacy and technology skills for their grade level as found on the SDE's performance matrix for information literacy and technology education.

Community Connections

- Seventy percent of the district's schools will provide and document professional development training in how to access and use available community resources. Results will be reported on the SDE on-line professional development tracking system.
- Fifty percent of the district's elementary, middle, and high schools will provide access to technology-related facilities after hours for parents, teachers, and community members.

Support Capacity

The district will include in its technology plan an assessment of their current technology needs, their current technology inventory, and their current technology support strategies.

Acknowledgements

Dr. Karen Woodward	Superintendent
Mr. Tim Oswald	Principal-Elementary
Mr. Mike Stacey	Principal-High
Mr. Ken Lake	Principal-LTC
Ms. Amy Amick	Teacher-LHS
Ms. Cheryl Baker	Teacher-WKM
Ms. Jennifer Bentley	Teacher-GHS
Ms. Constance Flemming	Teacher Elementary
Mrs. Kathy Maness	Parent-Middle
Mr. David Perry	Parent-Elementary
Mr. Andrew Cook	Parent-High
Mr. Mike Flack	Community
Mr. Brent Weaver	Community Service Organizations
Ms. Wanda F. Smith	Private School
Mr. Joe Bedenbaugh	School Administration
Dr. Wayne Brazell	Assistant Superintendent, Instruction
Dr. Jane Brailsford	Coordinator, Virtual School/Social Studies
Mrs. Joyce Carter	Director, Elementary Curriculum
Dr. Anne Elam	Director, Secondary Curriculum
Dr. Karl Fulmer	Assistant Superintendent, Fiscal Services
Mr. Patrick Hanks	Director, Instructional Technology
Dr. Clare Hodge	Coordinator, Parent & Family Literacy
Mrs. Jeannine Purdy	Coordinator, Gifted & Fine Arts
Dr. Janelle Rivers	Director, Accountability/Technology
Dr. Kay Rush	Director, Special Ed.
Mr. Jeff Salters	Director, Technology
Dr. Donna Shealy	Director, Guidance
Dr. Robin Simmons	Director, Special Education
Mr. Jeff Platenberg	Accountability/Technology
Ms. Nancy Verburg	Coordinator, School-to-Work
Mrs. Harriette Cash	Classified/Paraprofessional
Mr. Brad Bellah	Clergy
Ms. Mary Beth Hill	School/Community Relations
Mr. Kenny Boatwright	Coordinator, Transportation
Ms. Lisa Bryant	Gilbert MS
Mr. John Butler	Finance Office
Ms. Tammy Coghill	Director of Com. & Economic Dev.

Mrs. Kay Coker
Ms. Erin Dickey
Mr. Charles Gatch
Mr. Al Harmon
Mr. Jim Harpe
Ms. Nicole Hinton
Mr. Robbie Hunter
Ms. Trish James
Sgt. Mark Jones
Mr. Tom Ledbetter
Mrs. Pandra Lemrow
Ms. Bradelyn Levi
Rev. Walter Ludwick
Mrs. Connie McFarland
Mrs. Cindy Parrish
Mr. Ted Pitts
Ms. Gina Smith
Mr. Guy Smith
Mr. Mike Till
Mrs Mary Walker
Mr. Tim West

Board Member
Student-PHS
Retired
Business
Principal, Alternative Learning Center
Student-Gilbert HS
Assistant Prin-middle
Instructional Coordinator
Law Enforcement
Continuing Ed
Chamber of Commerce
Student-Lexington HS
Clergy
Lexington One Foundation
Assistant Prin-middle
House member
Midway ES
Assistant Prin-middle
Business
Human Resources
SIC member

Bibliography

EOC. 2001. *Don't Fail Your Children: Long-Range Plan*. Columbia: South Carolina Education Oversight Committee. Available on-line at <http://www.state.sc.us/eoc/PDF/EOCLongRangeBooklet.pdf>.

KPMG Consulting. 2000. *State of South Carolina Education Technology Evaluation Project*. Major portion of document available on-line at <http://www.myscschools.com/offices/technology/k12init/kpmg.htm>.

November, Alan. 2005. <http://www.novemberlearning.com>

Required Appendixes

Appendix 1: No Child Left Behind Action Plan

The plan for addressing NCLB including all district local, state, and federal funds is included in the recently completed district strategic plan. This plan is included in its entirety at the following URL: <http://www.lexington1.net/districtinfo/strategicplan.pdf>

Appendix 2: Teacher Technology Proficiency Proviso Professional Development Plan

The Lexington County School District One Teacher Technology Proficiency Plan can be found on the district's website at the following URL:

<http://www.lexington1.net/technology/?page=instruct/ttca.htm>

Appendix 3: Acceptable Use Policy

The Lexington County School District One Acceptable Use Policy can be found at the following URL: <http://www.lexington1.net/technology/>

Appendix 4: How E-Rate Areas Have Been Addressed

The plan for addressing E-Rate areas is included in the recently completed district strategic plan and previous sections of this document.

Appendix 5: Report on Last Year's Progress toward Goals, Objectives, Strategies, Benchmarks, Actions, and Outcomes

Please refer to the district's previous technology plan, which includes goals, objectives, and progress made at the following URL: <http://www.lexington1.net/technology/techplan0405.pdf>

DISTRICT TECHNOLOGY PLAN CHECKLIST

Please complete the shaded box on page 3 of this checklist form and return *all three sheets* as the *cover pages* of the completed technology plan.

Cover Page

This page must contain the following:

- district name,
- name and signature of district superintendent,
- name and signature of technology coordinator,
- mailing address, phone and fax numbers, and e-mail address of district technology coordinator,
- district home page URL, and
- effective dates covered by the plan or the year covered by the annual update.

District Profile

This section must include the following:

- number of schools in the district,
- number of students enrolled in district schools,
- percentage of students eligible for free and reduced lunches,
- number of English as a Second Language (ESL) students,
- number of dropouts,
- graduation rate, and
- district E-rate discount.

Executive Summary

This section must be a concise description of the entire technology plan.

District Needs Assessment

This section must describe the district's current technology needs, current technology inventory, and current technology support strategies. All goals should specifically address your district's needs.

District Vision and Mission Statements

These overarching statements should address the district's needs, including assistive technology needs, and should be aligned with the 2003–08 state technology plan as well as the No Child Left Behind legislation.

Plans for the Five Individual Technology Dimensions

The narrative of the district's plans for the individual Technology Dimensions *must* be organized on the basis of the following five sections, which *must be labeled and ordered as shown here*:

- Technology Dimension 1: Learners and Their Environment**
- Technology Dimension 2: Professional Capacity**
- Technology Dimension 3: Instructional Capacity**
- Technology Dimension 4: Community Connections**
- Technology Dimension 5: Support Capacity**

In each of the above sections, the narrative for the technology dimension *must* be organized on the basis of the following seven sections, which *must be titled and lettered as shown here*:

- A. Snapshot of Current Technology Use in District**
- B. Overall Goal for This Dimension**
- C. Objectives, Strategies, and Action List to Reach Goal**
- D. Implementation Action Steps for Districts and Schools**
- E. Funding Considerations for District and Schools**
- F. Evaluation of Objectives** (including baseline data sources and ongoing data sources)
- G. Current Best Practices in District** (if applicable)

Cumulative Benchmarks

This section must contain a list of benchmarks expected to be met during the year. Include a timeline and method for assessing benchmarks periodically.

Acknowledgements

This section must contain a list stakeholders that shows a wide diversity of school and community members who contributed to the planning process.

Bibliography

This section should provide full publication information and specific page references for all secondary sources utilized.

Required Appendixes

Appendix 1: No Child Left Behind Action Plan

Provide narratives for each of the twelve items in part C of the “Guidelines for District Technology Plans” section of the *South Carolina State Technology Plan 2003–08*.

Appendix 2: Teacher Technology Proficiency Proviso Professional Development Plan

Guidelines for district professional development plans can be found at <http://www.myschools.com/offices/technology/announce/proviso140.htm>.

Appendix 3: Acceptable Use Policy

Appendix 4: How E-Rate Areas Have Been Addressed

See part B of the “Guidelines for District Technology Plans” section of the *South Carolina State Technology Plan 2003–08* for the five E- rate areas.

Appendix 5: Report on Last Year’s Progress toward Goals, Objectives, Strategies, Benchmarks, Actions, and Outcomes

Other Vital Appendixes

*I verify that all above components for the **Lexington County School District One** technology plan have been addressed.* Please print.

Technology coordinator's name: **Jeff Platenberg**
Please print.

Technology coordinator's signature: _____ Date signed _____

Superintendent's name: **Karen C. Woodward**
Please print.

Superintendent's signature: _____ Date signed _____