



**Where Children and Learning Are One**

<http://www.lexington1.net>

# **Technology Plan 2011-2015**

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## DISTRICT PROFILE

Lexington County takes up 750 square miles. Lexington One occupies 360 square miles or 48 percent of the county. Most of this land is still undeveloped. During the 2009-2010 school year the district grew more than 500 students in Kindergarten through Grade 12. The district is also serving another 500 students in our 3 and 4-year-old programs. Lexington County School District One continues to grow 500 to 700 new students on average each school year and remains one of the fastest growing school districts in the state. From the 1994–1995 school year to the 2006–2007 school year Lexington One has grown by 5,565 children — an increase of 38 percent.

Presently, the district has 25 schools: 14 elementary schools, 1 intermediate school, 6 middle schools, and 4 high schools. There is one career and technology center. The district also has an Alternative Learning Center. Next year, 2010-11, an additional elementary school will be open. Thirty-one (31) percent of the student population receive or is eligible to receive free/reduced lunch. The district has over 800 English as a Second Language students, which represent 24 different languages. The district's annual dropout rate is .6%; graduation rate is 80.5%; and the district's E-rate discount is 53%.

Lexington County School District One is generally recognized as one of the most innovative districts in the state in regards to technology use. Lexington One operates a virtual high school, 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 2009.

The document *Lexington County School District One Technology Plan 2011–15* 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 and 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 2011-2015* 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 2011-2015* presents five core technology dimensions that must be addressed in order for us to improve student achievement through the use of technology as an integrated tool. All strategic actions are designed to support 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 support 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 support 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. SMART boards, interactive devices, projectors, mobile computing devices, laptops, etc.)
- Upgrade servers
- Increase wide area network bandwidth
- Increase Wireless Overlay
- Expand district student laptop initiative
- Expand instructional support staff for technology

## Current Technology Inventory

- Over 9,000 PCs
- Over 2000 laptops
- Over 800 SMART Boards
- Over 1500 projectors
- Over 300 mobile computing devices
- 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, the arts and athletics connect — is to enable our students to be thinking, productive, responsible citizens in the global, competitive 21<sup>st</sup> century.

Therefore, we will work to create a high-performance learning culture that sets high expectations for every student and provides the environment, instruction and support necessary to ensure that our students are learning and meeting rigorous standards.

### *Vision*

Lexington County School District One graduates will be self-directed, collaborative, creative and caring learners who will flourish in the global, competitive 21<sup>st</sup> century.

Therefore, we will have a high-performance learning culture in which:

- Our students are engaged in high-quality learning.
- All stakeholders accept collective responsibility for the learning of our students.
- Each student receives the personal support necessary to reach his or her goals.
- All staff members are advocates for students and work to eliminate any barriers to learning.

### *Beliefs*

- All individuals can and do learn in different ways.
- Good teaching is a significant determinant of student achievement.
- We can help students believe that they can learn and we can motivate them to exert the necessary effort.
- The success of students in the 21<sup>st</sup> century is determined by their ability to learn, unlearn and relearn.
- High expectations promote higher levels of achievement.
- We believe in collective responsibility — *distributed accountability* — where leadership is shared, stakeholders are engaged in decision making and everyone assumes personal responsibility for student learning.
- Schools should be learning communities where professionals collaborate for continuous improvement.
- All people have inherent worth and deserve to be treated with respect.
- The family is crucial to the development and well-being of the individual.
- Education is the responsibility of the entire community.
- The success of our democracy depends upon the quality of the public education system.

*Performance goal areas are highlighted to accomplish mission.*

*Yearly performance goals with annual targets are set within each area.*

# **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 support the overall level of academic achievement.



## SNAPSHOT OF CURRENT TECHNOLOGY USE

Lexington County School District One currently has infused technology into the instructional program. This includes a laptop, projector, SMART Board/interactive device, document camera, and sound amplification system for every teacher. Students are currently using laptops, mobile computing devices, SMART Boards, and other technology in an interactive fashion in many on-going projects. Currently, 100% of certified staff has completed Technology One - a comprehensive competency assessment. Technology Two is an additional assessment with a district goal of 100% by 2011.

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 applications/software via 100 Mb connections at schools including:
  - Benchmarking
  - SAT Prep Software
  - First in Math
  - MAP Assessments
  - Ticket to Read
  - APEX(On-line instructional software)
  - LexOne (On-line instructional software)
  - Riverdeep (On-line instructional software)
  - 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.)
- PowerSchool - 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 technology literacy by the end of the eighth grade and to support the overall level of academic achievement.

OBJECTIVES	STRATEGIES
<p><b>1.1</b> Students will use technology to acquire and demonstrate communication, collaboration, and engagement skills that are aligned with state curriculum standards and NETS for students and will thereby support their level of academic achievement.</p>	<p>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</p> <p>B. Conduct student projects that will yield sustained, engaged learning and collaboration in instructional content areas</p> <p>C. Recognize and promote best practices that successfully integrate technology, including assistive technology, into the curriculum</p> <p>D. Provide appropriate accommodations for students with special needs</p>
<p><b>1.2</b> Students will engage in authentic learning activities that are aligned with state curriculum standards and NETS for students and that integrate technology, including assistive technology, into the core content.</p>	<p>A. Develop technology-enhanced learning activities and purchase software that aligns with state curriculum standards and NETS for students</p> <p>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>
<p><b>1.3</b> 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>A. Create and use lesson activities in which students employ a variety of technology tools, including assistive technology, to complete authentic multidisciplinary tasks</p> <p>B. Measure student technology proficiency by using surveys, performance-based assessments, and the state Tech Assessment grade students</p>

## 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 technology literacy by the end of the eighth grade and to support the overall level of academic achievement.

OBJECTIVES	STRATEGIES
<p><b>1.3</b> (Con't.)</p>	<p>C. Provide all students, including those with special needs, access to a range of technology solutions, including software, peripherals, and other tools to increase student communication, participation, and collaboration</p>
<p><b>1.4</b> District and the schools will provide students with an enhanced learning environment through technological tools which are designed to promote: research and information fluency, critical thinking and problem solving, collaboration and communication and creativity and innovation.</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 curriculum standards and NETS for students.
- 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 NETS for students.
- 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 will be given opportunities to assess the effectiveness of technology tools, being used for classroom activities.
- District will complete initial and ongoing assessments to measure the availability of technology opportunities and resources.
- Educators and parents will complete initial and follow-up assessments to ensure that the use of technology is effective in enhancing student learning.
- District curriculum/technology teams will identify best practices of technology integration that will be disseminated via on-line district resources.
- District and schools will develop methods of recognizing student academic achievement which incorporate the use of technology tools.

### III. IMPLEMENTATION ACTION STEPS

#### Lexington County School District One

- Assign technology integration specialists to each school.
- Assign personnel 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
- Collaborate with classroom teachers to create learning environments which utilize a variety of technologies to encourage self-directed learning.
- Recognize exemplary teachers and students for their incorporation of technology to improve learning
- Showcase exemplary instructional technology projects to the school and 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 and instructional projects
- Recognize exemplary student technology projects
- Hold "technology nights" that Showcase exemplary instructional technology projects to the school and community
- Provide access to technology resources, during nontraditional school hours
- Include goals and strategies for 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 self directed learning and the incorporation of state curriculum standards and NETS for students

### **LCSD1 Schools**

- Technology professional development
- Technology course development
- Technology staff
- Recognition programs
- Technology resources to support self directed learning and the incorporation of state curriculum standards and NETS for students

**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. 2011	JAN. 2012	JAN. 2013	JAN. 2014	JAN. 2015
<p><b>1.1</b> Students will use technology to acquire and demonstrate communication, collaboration, and engagement skills that are aligned with state curriculum standards and NETS for students and will thereby support their level of academic achievement.</p>	<ul style="list-style-type: none"> <li>• Statewide achievement test scores</li> <li>• Tech Assessment for 8<sup>th</sup> Grade Students</li> <li>• District report cards</li> <li>• Technology surveys</li> <li>• School technology and improvement plans</li> <li>• District, school, and community surveys</li> </ul>	<ul style="list-style-type: none"> <li>• Statewide achievement test scores</li> <li>• Tech Assessment for 8<sup>th</sup> Grade Students</li> <li>• District report cards</li> <li>• Technology surveys</li> <li>• Observations and interviews</li> <li>• Anecdotal records</li> <li>• Documented access to on-line resources</li> <li>• Listing of recognition programs</li> </ul>					
<p><b>1.2</b> Students will engage in authentic learning activities that are aligned with state curriculum standards and NETS for students and that integrate technology, including assistive technology, into the core content.</p>							
<p><b>1.3</b> 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><b>1.4</b> District and the schools will provide students with an enhanced learning environment through technological tools which are designed to promote: research and information fluency, critical thinking and problem solving, collaboration and communication and creativity and innovation.</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 support 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 curriculum development using technology tools. Training sessions are periodically scheduled for all staff members in the area of technology. Technology Integration Specialists model, train, and team with teachers as well as train staff to insure the optimum use of technology in the classrooms.

# 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 Lexington One educators so that research-proven strategies and the effective integration of instructional technology systems can be used to support student achievement.

OBJECTIVES	STRATEGIES
<p><b>2.1</b> 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 support student achievement.</p>	<ul style="list-style-type: none"> <li>A. Require a teacher competency process that requires demonstration of proficiency in integrating instructional technology standards</li> <li>B. Adopt a process that requires teachers to demonstrate ongoing proficiency in integrating instructional technology standards</li> <li>C. Include a professional development program that provides a guide for teachers to progress from their current levels of ability in using technology</li> <li>D. Require district and school administrators to demonstrate technology proficiencies based upon the state-recommended standards for administrators</li> </ul>
<p><b>2.2</b> 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"> <li>A. Provide a full-time technology integration specialists to assist with basic technology skills and incorporate the use of technology tools into classroom instruction in every school</li> <li>B. Require that technology integration specialists collaborate, provide direct training, model exemplary lessons, and team with teachers to assist in meeting state-recommended technology standards (ISTE NETS-A, ISTE NETS-T, ISTE NETS-S) as well the state’s content standards</li> </ul>
<p><b>2.3</b> District will collaborate in planning for professional development, ensuring that teachers and district staff are trained to use technology to improve student learning.</p>	<ul style="list-style-type: none"> <li>A. Develop and submit a technology plan that (1) is directed by the district’s interdisciplinary 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</li> </ul>

## I. OBJECTIVES AND STRATEGIES

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

OBJECTIVES	STRATEGIES
<p><b>2.3</b> (Con't.)</p>	<p>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 make decisions that ensure the promotion of higher-order thinking skills and digital literacy for all students</p>
<p><b>2.4</b> District will provide schools with information and training in technology integration so that teachers can design or adapt learning experiences that incorporate tools and resources to promote student learning, innovation, and creativity.</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</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 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 webinars,</p>

**I. OBJECTIVES AND STRATEGIES**

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

OBJECTIVES	STRATEGIES
<p><b>2.4</b> (Con't.)</p>	<p>and virtual meeting opportunities</p> <p>F. Develop a network of professional development providers who have the skills and experience necessary to prepare teachers for effective use of technology tools</p>
<p><b>2.5</b> 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. Evaluate levels of teacher and administrator technology proficiency</p> <p>B. Administer evaluations to determine the effectiveness and impact of the professional development offered to teachers and administrators</p> <p>C. Encourage teachers to create and maintain web pages showing examples of their students' work and documenting use of technology in their classrooms in accordance with district requirements</p> <p>D. Maintain an on-line professional development tracking system of teachers and administrators</p> <p>E. Implementation of a Learning Management System</p>

## II. ACTION LIST

- District will provide full-time leadership for the use of technology to support student learning.
- Leadership committees are comprised of staff members who may include teachers, instructional coaches, school administrators, technology integration specialists (TIS), parents, and media specialists.
- District will utilize the expertise of staff members and faculty
- Each school will have a full time technology integration specialist.
- 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.
- District will work with the Office of Standards and Learning 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, into the curriculum.
- District will provide training for teachers in using assistive technology tools.
- District will provide training to assist staff in making decisions that ensure the promotion of higher-order thinking skills and digital literacy for all students.
- District will provide training in accessibility issues involving applicable state and federal legislation.
- Teachers will maintain web pages according to district requirements.
- District will adopt the state on-line assessment instrument to determine teachers' level of technology proficiency.
- District-developed tracking tools (electronic or Web-based surveys) of professional activities will be completed each year in conjunction with SAFE-T (Summative ADEPT Formal Evaluation of Classroom-Based Teachers) 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.
- District will provide a learning management system (LMS) to post and deliver a variety of professional development opportunities.

### III. IMPLEMENTATION ACTION STEPS

#### **Lexington County School District One**

- Submit a technology plan, including a professional development plan, to the Office of Technology Services 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 Services by the announced deadline
- Initiate partnerships with community entities to create greater access to technology
- 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
- Provide a technology integration specialist who 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. 2011	JAN. 2012	JAN. 2013	JAN. 2014	JAN. 2015
<p><b>2.1</b> 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 support student achievement.</p>	<ul style="list-style-type: none"> <li>• Statewide achievement test scores</li> <li>• District report cards</li> <li>• Teacher technology proficiency proviso forms</li> <li>• Professional development surveys</li> <li>• School technology and improvement plans</li> <li>• SCTLC “Training” tab</li> <li>• Technology assessments</li> </ul>	<ul style="list-style-type: none"> <li>• Statewide achievement test scores</li> <li>• District report cards</li> <li>• Professional development tracking and surveys</li> <li>• Teacher technology proficiency proviso forms</li> <li>• Observations and interviews</li> <li>• Anecdotal records</li> <li>• Documented access to on-line resources</li> <li>• SCTLC “Training” tab</li> <li>• Technology assessments</li> </ul>					
<p><b>2.2</b> 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>							
<p><b>2.3</b> District will collaborate in planning for professional development, ensuring that teachers and district staff are trained to use technology to improve student learning.</p>							
<p><b>2.4</b> District will provide schools with information and training in technology integration so that teachers can design or adapt learning experiences that incorporate tools and resources to promote student learning, innovation, and creativity.</p>							

<b>V. EVALUATION</b>							
<b>Objectives</b>	<b>Possible Baseline Data</b>	<b>Possible Data Sources to Be Used for Ongoing Evaluation and End-of-Program Report</b>	<b>Outcomes (Include “action list” items achieved.)</b>				
			<b>JAN. 2011</b>	<b>JAN. 2012</b>	<b>JAN. 2013</b>	<b>JAN. 2014</b>	<b>JAN. 2015</b>
<p style="text-align: center;"><b>2.5</b></p> <p>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>							

## 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 and a self directed learner.

### 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.
- District E-mail and Web Servers
- WAN access to network applications/software via 100 Mb connections at schools including:
  - Benchmarking
  - SAT Prep Software
  - First in Math
  - MAP Assessments
  - Ticket to Read
  - APEX(On-line instructional software)
  - LexOne (On-line instructional software)
  - Riverdeep (On-line instructional software)
  - 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.)
- PowerSchool - 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 current and emerging technology to create learner-centered instructional environments that enhance academic achievement and a self directed learner.

OBJECTIVES	STRATEGIES
<p><b>3.1</b> District will develop a technology framework, to include implementation of a Learning Management System, for local planning that addresses the steps necessary to create a technology-rich environment that will foster student achievement.</p>	<p>A. Ensure that curricular design, instructional strategies, and learning environments integrate appropriate technologies 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>C. Implementation of a Learning Management System</p>
<p><b>3.2</b> District and schools will provide teachers with the technology resources, necessary to support academic achievement and nurture self directed learners.</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><b>3.3</b> District and schools will provide students with access to current and emerging technology resources that will extend their learning beyond the traditional classroom setting as well as foster communication and collaboration.</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><b>3.4</b> 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.
- 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.
- Implementation of a Learning Management System.

### III. IMPLEMENTATION ACTION STEPS

#### Lexington County School District One

- Conduct technology interdisciplinary committee planning meetings
- Include an instructional technology plan in the district 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 and student 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 and instructional software
- Pursue the delivery of courses for students and professional development courses for teachers via innovative methods such as an LMS

#### LCSD1 Schools

- Conduct technology team planning meetings
- Submit a technology plan, including a professional development plan, to the district office
- Provide a full time technology integration specialist for each school who will submit training and needs reports to the director of instructional technology
- Interview or survey students to assess information literacy and the integration of technology into the classroom
- Evaluate the results of the state department of education's technology assessment for certified staff and 8<sup>th</sup> graders
- Pursue funding opportunities such as grants to acquire and maintain hardware and instructional software

## 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 and certified staff proficiency measurement
- Full time school technology integration specialist implementation
- Professional development

### **LCSD1 Schools**

- Committee development of district and school technology plans
- Full time 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. 2011	JAN. 2012	JAN. 2013	JAN. 2014	JAN. 2015
<p><b>3.1</b> District will develop a technology framework for local planning that addresses the steps necessary to create a technology-rich environment that will foster student achievement.</p>	<ul style="list-style-type: none"> <li>• Statewide achievement test scores</li> <li>• Technology readiness and access surveys</li> </ul>	<ul style="list-style-type: none"> <li>• Statewide achievement test scores</li> <li>• District report cards</li> <li>• Technology readiness and access surveys</li> </ul>					
<p><b>3.2</b> District and schools will provide teachers with the technology resources, necessary to support academic achievement and nurture self directed learners.</p>	<ul style="list-style-type: none"> <li>• District report cards</li> <li>• Teacher technology proficiency proviso forms</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher technology proficiency proviso forms</li> <li>• Observations and interviews</li> </ul>					
<p><b>3.3</b> District and schools will provide students with access to current and emerging technology resources that will extend their learning beyond the traditional classroom setting as well as foster communication and collaboration.</p>	<ul style="list-style-type: none"> <li>• School technology and improvement plans</li> <li>• Technology assessments</li> </ul>	<ul style="list-style-type: none"> <li>• Anecdotal records</li> <li>• Documented access to on-line resources</li> <li>• Technology assessments</li> </ul>					
<p><b>3.4</b> District will provide and support a variety of multimedia equipment and software for teaching and learning.</p>	<ul style="list-style-type: none"> <li>• Documentation of offerings provided via innovative delivery methods</li> </ul>	<ul style="list-style-type: none"> <li>• Documentation of offerings provided via innovative delivery methods</li> </ul>					

## TECHNOLOGY DIMENSION 4

### COMMUNITY CONNECTIONS



#### GOAL

Lexington County School District One will support student achievement through the use of 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:

- 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.
- SchoolMessenger – This web-based a communication tool used to provide timely information to parents and staff.
- 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.
- APEX 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 support student achievement through the use of technology, including assistive technology, by maximizing community involvement and community partnerships.

OBJECTIVES	STRATEGIES
<p><b>4.1</b> 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"> <li>A. Form district-community partnerships to provide students with real-world experiences in the use of technology that enhance academic achievement</li> <li>B. Provide recognition/reward programs and/or incentives for partnerships showing impact</li> <li>C. Write community-collaborative technology grants to develop and fund the use of technology to improve teaching and learning</li> <li>D. Form district-community partnerships to facilitate the use of technology in the public schools and to improve outcomes for students transitioning from school to work or higher education</li> </ul>
<p><b>4.2</b> 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"> <li>A. Identify all of the organizations, institutions, and initiatives that are currently focused on instructional technology applications</li> <li>B. Partner with other school districts as well as community entities to collaborate in order to provide technology access for students</li> </ul>
<p><b>4.3</b> District will provide after-hours training and community access to labs, media centers, and classrooms.</p>	<ul style="list-style-type: none"> <li>A. Create and publish flexible schedules of after-hours technology access and training for students, parents, teachers, and community members</li> <li>B. Provide opportunities for after-hours technology training for students, parents, teachers, and community members</li> </ul>

## I. OBJECTIVES AND STRATEGIES

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

### OBJECTIVES

### STRATEGIES

<p><b>4.4</b> District will ensure all facilities are linked to various state and government educational resources to facilitate communication between home, school, and community.</p>	<p>Provide access to resources through the district and school websites</p>
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## 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 post 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 regards to student technology access.
- 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 data to maximize the 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 access 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

#### **LCSD1 Schools**

- Submit a technology plan, including a community partnership plan, to the local district office
- Distribute parent and community information
- Develop flexible lab, media center, and classroom hours among schools, including opportunities for community members to access 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

## 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. 2011	JAN. 2012	JAN. 2013	JAN. 2014	JAN. 2015
<p><b>4.1</b> 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"> <li>• Statewide achievement test scores</li> <li>• Lab, media center, and classroom schedules</li> <li>• SDE Technology Counts survey</li> <li>• School technology plans</li> <li>• Documentation of offerings provided via innovative delivery methods</li> </ul>	<ul style="list-style-type: none"> <li>• Statewide achievement test scores</li> <li>• Lab, media center, and classroom schedules</li> <li>• SDE Technology Counts survey</li> <li>• School technology plans</li> <li>• Observations and interviews</li> <li>• District and school Web site information</li> <li>• Documentation of offerings provided via innovative delivery methods</li> <li>• Districts and school list of grants and community partnerships</li> </ul>					
<p><b>4.2</b> District will fully utilize all available resources by fostering collaboration and cooperation among state-supported organizations, institutions, and initiatives.</p>							
<p><b>4.3</b> District will provide after-hours training and community access to labs, media centers, and classrooms.</p>							
<p><b>4.4</b> District will ensure all facilities are linked to various state and government educational resources to facilitate 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 curriculum standards. Lexington One prides itself on a well-developed network infrastructure. The district uses a rigorous student centered, standards-based curriculum to create 21<sup>st</sup> century learning experiences. Our district strives to meet the demand of incorporating new technology tools to create a 21<sup>st</sup> century learning environment.

# 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><b>5.1</b> District will ensure that all students and teachers have access to electronic information resources.</p>	<ul style="list-style-type: none"> <li>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</li> <li>B. Conduct needs assessments to identify required network components, workstations, and other devices needed for network access. Also through a needs assessment 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</li> <li>C. Create a district strategic plan for acquiring and implementing technology, required to provide universal access to network resources</li> <li>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</li> <li>E. Seek school and district funding from available local, state, and federal sources, including E-rate, grants, and bonds</li> </ul>

## 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><b>5.2</b> District will ensure schools have an integrated, secure network infrastructure with dynamic bandwidth capacity to support fully converged networks. This will allow for communication, data collection and distribution.</p>	<ul style="list-style-type: none"> <li>A. Communicate in the district technology plan a vision for a complete infrastructure designed to support instruction</li> <li>B. Establish a system for identifying, specifying, prioritizing, and managing equipment for development in direct support of curricular and professional development objectives</li> <li>C. Ensure the maintenance and support of classrooms technology tools to support instruction</li> <li>D. Research and implement an integrated network infrastructure capable of utilizing all distribution modules</li> <li>E. Use bundled distribution packages as a primary means of distribution to manage fully converged networks</li> <li>F. Update and maintain networks, virus protection, and web 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</li> <li>G. Assess LAN/WAN technology currently implemented to determine SNMP (simple network management protocol) compliance</li> <li>H. Maintain a district network management tool that performs automated software installation</li> </ul>
<p><b>5.3</b> District will provide one technician per one to one implementation site, currently targeting high schools. All other locations to be supported with one technician per two schools and one network engineer per ten LANs.</p>	<ul style="list-style-type: none"> <li>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</li> <li>B. Provide district-level network support</li> </ul>

## 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><b>5.4</b> District will maintain 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>	<p>A. Ensure that disaster recovery plans are included in the district emergency procedures</p> <p>B. Ensure that schools will have electrical 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><b>5.5</b> 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><b>5.6</b> 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, 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.
- District will include in its local budgets line items for technology with sufficient funding to implement the designated strategies.

## II. ACTION LIST

- District will publish a procedure for the perpetual review of equipment. Reviews should quantify equipment and processes by their impact on teaching and learning.
- District will maintain a strategic plan for acquiring and implementing 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 complete 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 web 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 staff, teachers, and students will be aware of technology 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
- Conduct needs assessments to identify required technology
- Create a strategic technology plan that includes strategies for acquiring, managing, and implementing required 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
- Continuously monitor our vision for an infrastructure which supports 21<sup>st</sup> century learning environments.
- Encourage schools to expand available technology tools.
- 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
- Maintain 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.
- Provide schools with the necessary guidance and training in creating Web pages to ensure that electronic information is accessible to all students and teachers.

#### LCSD1 Schools

- Create a strategic technology plan that includes strategies for acquiring and implementing required technology
- Seek funding from local, state, and federal sources
- Create flexible schedules for access to technology
- Provide technology tools for 21<sup>st</sup> century learning
- Install and maintain secure networks
- Employ staff for adequate network maintenance and support
- Provide adequate electrical distribution systems

## IV. FUNDING CONSIDERATIONS

### **Lexington County School District One**

- Technology committee meetings to upgrade and maintain products such as the technology infrastructure plan and the disaster recovery plan
- Resources to publish an updated technology plan
- 21<sup>st</sup> Century technology learning tools
- Hardware and software to secure all LANs and WANs to comply with district, state, and industry standards
- Staff to support technology infrastructure
- 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 technology infrastructure plan and the disaster recovery plan
- Resources to publish an updated technology plan
- 21<sup>st</sup> Century technology learning tools, 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. 2011	JAN. 2012	JAN. 2013	JAN. 2014	JAN. 2015
<p><b>5.1</b> District will ensure that all students and teachers have access to electronic information resources.</p>	<ul style="list-style-type: none"> <li>• Statewide achievement test scores</li> <li>• District report cards</li> <li>• Professional development tracking and surveys</li> <li>• District, school, and community surveys</li> <li>• School technology and improvement plans</li> <li>• Documented access to technology resources</li> <li>• Technology needs assessments</li> <li>• SDE Technology Counts on-line survey</li> <li>• Budget data</li> <li>• State personnel reports</li> </ul>	<ul style="list-style-type: none"> <li>• Statewide achievement test scores</li> <li>• District report cards</li> <li>• Professional development tracking and surveys</li> <li>• Observations and interviews</li> <li>• Documented access to technology resources</li> <li>• District, school, and community surveys</li> <li>• School technology and improvement plans</li> <li>• Documented access to technology resources</li> <li>• Technology needs assessments</li> <li>• SDE Technology Counts on-line survey</li> <li>• Budget data</li> <li>• State personnel reports</li> </ul>					
<p><b>5.2</b> District will ensure schools have an integrated, secure network infrastructure with dynamic bandwidth capacity to support fully converged networks. This will allow for communication, data collection and distribution.</p>							
<p><b>5.3</b> District will provide one technician per one to one implementation site, currently targeting high schools. All other locations to be supported with one technician per two schools and one network engineer per ten LANs.</p>							
<p><b>5.4</b> District will maintain 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>							
<p><b>5.5</b> District will implement an obsolescence and upgrade plan to replace and recycle equipment and software.</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. 2011	JAN. 2012	JAN. 2013	JAN. 2014	JAN. 2015
<p><b>5.6</b> 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 for each of the years within the years within the technology plan.

**2011-15**

## Learners and Their Environment

- Ninety percent of the Lexington One's students will acquire grade-level-appropriate competencies as well use digital information systems to complete authentic tasks.
- Ninety percent of the Lexington One's students will possess effective communication skills and technology literacy as evidenced by technology portfolios and presentations.

## Professional Capacity

- Ninety-nine 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 models, teams, and collaborates with teachers as well as staff to ensure optimum use of technology tools in the classroom.

## Instructional Capacity

- Eighty-five percent of the district's teachers will integrate technology tools into their teaching of the South Carolina curriculum standards in order to provide a 21st century learning environment. This is evidenced by the technology assessment for certified staff.
- Eighty-five percent of district's students will meet the information literacy and technology skills for their grade level as found on the performance matrix for information literacy and technology education.

## Community Connections

- Ninety 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 Lexington One on-line professional development tracking system.
- Eighty 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

All groups listed below contributed either directly or indirectly in the development of the district's technology plan.

Dr. Karen Woodward	Superintendent, Lexington County School District One
Board of Trustees	Lexington County School District One
Student Advisory Council	Lexington County School District One
Teacher Advisory Council	Lexington County School District One
Senior Leadership Team	Lexington County School District One
District Leadership Team	Lexington County School District One
Technology Interdisciplinary Committee	Lexington County School District One
Schools of the Future Task Force	Lexington County School District One
Technologists Integration Specialists	Lexington County School District One
Parent Advisory Council	Lexington County School District One
Technology Advisory Committee	Lexington County School District One

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## **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 in Appendix 6.

### **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 intranet and is available within district for all staff.

### **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/default.aspx?page=DEPARTMENTS/IT/IT.aspx>

### **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. Additional district budget information can be found in Appendix 7.

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

Please refer to Appendix 8 for the district's previous technology plan, which includes goals, objectives, and progress made.

### **Appendix 6: District Strategic Plan**

### **Appendix 7: District Plan for Addressing E-Rate Areas**

### **Appendix 8: Previous District Technology Plan**

## 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 Salters  
Please print.

**Technology coordinator's signature:** \_\_\_\_\_ Date signed \_\_\_\_\_

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

**Superintendent's signature:** \_\_\_\_\_ Date signed \_\_\_\_\_