

# Technology Plan

For  
07/01/2013 Thru 06/30/2016

## *Williston School District*

Barnwell #29  
Williston, South Carolina



[www.williston.k12.sc.us](http://www.williston.k12.sc.us)

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District Technology Coach

*Amanda M. Nix*

This Technology Plan has been reviewed and submitted on behalf of Williston School District 29

### Signatures:

Dr. Tom Siler, Superintendent

*Tom Siler*

Date: 11-20-13

Don Wical, Director of Technology

*Don Wical*

Date: 11-20-13

Dr. Carol Lenderman, Coordinator of Instruction and Technology

*Carol Lenderman*

Date: 11-20-13

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## Executive Summary

Williston School District #29 is committed to providing students, teachers, staff and administration with the most advanced technology tools necessary to educate our students and assist in our mission statement:

***“The mission of Williston School District 29 is to develop caring and productive citizens with the support of our parents and our community, by providing challenging and enriching experiences in a safe environment.”***

The technology plan for Williston-Elko School District provides the framework for elucidating, monitoring and evaluating the district's pathway to continuous progress and advancement through technology implementation. Included are specific guidelines to aid our faculty and staff in the technology planning process. The plan is designed to allow our schools as well as district to satisfy and exceed the requirements established by the SCEO as well as those requirements set forth in the district's strategic plan, the State's strategic plan, the federal NCLB Act of 2001, and Proviso 1.40 of 2001.

The Williston School District's Technology Plan 2013-2016 presents four core technology dimensions that are addressed in order to continue 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.

In order to bring our student and faculty up to the 21st century standards, we must advance our technology. Advanced technology tools include providing leading edge equipment, following trends and practices to maintain that edge, maintaining and replacing our equipment to maintain acceptable modern standards, and providing our students with the tools they need for the next level.

This plan introduces several programs to accomplish these goals.

- Existing Technology Enhancements
- Infrastructure Upgrade Program
- Computer Replacement Program
- Wireless Technology Program
- Teacher Laptop/Tablet Program
- Student Table Program
- Teacher Recertification Training Program
- Computer Furniture Upgrade Program

as well as annual maintenance, renewals, assistive technologies for special needs and immediate technology enhancements needed to kick start the technology plan.

**Technology Plan Team Members:**

**Don Wical-DO**

**Amanda Nix-Do**

**Alicia Penfield-HS**

**Ashley Tedder-KE**

**David Augustine-MS**

**Julie Toole-MS&HS**

**Karen Zeigler-HS**

**Melissa Easterling-KE**

**Patricia Ulmer-MS**

**Sheila Lewis-KE**

**Brenda Raulston-HS-Special Needs**

**Tasha Bowman-HS**

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## Background Information

A technology committee was formed to assist administration with a more in depth view of what works in classroom instruction and what doesn't. Some of the thoughts and ideas shared by teachers were:

- Teachers prefer laptop computers over desktop computers for themselves
- Teachers would like to get tablets before students so they are proficient with them and will be able to assist students once they have them
- Teachers prefer document cameras in place of the old style overhead projector
- Computer replacement every 4 years is adequate
- Computer labs should be equipped with desktops, not laptops
- Laptop carts are expensive and do not work well, multiple computer labs fill that need more efficiently
- Computer furniture is inadequate

We also sought out thoughts and opinions from our Student Advisory Council as well, and some of their observations regarding the technology that is available for them to use were:

- The equipment is old and slow
- The internet is slow when using wireless
- We should be running the same version of Microsoft Office everywhere.
- We should have more tablets available for classroom instruction
- the use of Kindle Readers for instruction

**Mission Statement:** *"The mission of Williston School District 29 is to develop caring and productive citizens with the support of our parents and our community, by providing challenging and enriching experiences in a safe environment".*

**Williston School District 29 Overview:**

### NUMBER OF SCHOOLS IN THE DISTRICT

Kelly Edwards Elementary	Nakeisha Baxley, <i>Principal</i> 1071 Elko Street Williston, South Carolina 29853 (803) 266-3737 <a href="http://www.williston.k12.sc.us/school_home.aspx?schoolid=3">http://www.williston.k12.sc.us/school_home.aspx?schoolid=3</a>
Williston-Elko Middle	Greg Sweet, <i>Principal</i> 12333 Main Street Williston, South Carolina 29853 (803) 266-3430 <a href="http://www.williston.k12.sc.us/school_home.aspx?schoolid=2">http://www.williston.k12.sc.us/school_home.aspx?schoolid=2</a>
Williston-Elko High	Brian Newsome, <i>Principal</i> 12233 Main Street Williston, South Carolina 29853 (803) 266-3110 <a href="http://www.williston.k12.sc.us/school_home.aspx?schoolID=1">http://www.williston.k12.sc.us/school_home.aspx?schoolID=1</a>

**NUMBER OF STUDENTS ENROLLED IN DISTRICT SCHOOLS**

Kelly Edwards Elementary	<b>453</b>
Williston-Elko Middle	<b>219</b>
Williston-Elko High	<b>286</b>
Total District Enrollment	<b>958</b>

**% OF STUDENTS ELIGIBLE FOR FREE AND REDUCED LUNCHES**

	<b>Free</b>	<b>Reduced</b>
Kelly Edwards Elementary	<b>76.1%</b>	<b>5.7%</b>
Williston-Elko Middle	<b>67.5%</b>	<b>11.8%</b>
Williston-Elko High	<b>61.2%</b>	<b>8%</b>

**NUMBER OF ENGLISH AS A SECOND LANGUAGE (ESL) STUDENTS**

Kelly Edwards Elementary	<b>0</b>
Williston-Elko Middle	<b>0</b>
Williston-Elko High	<b>0</b>

**NUMBER OF DROPOUTS**

2011	<b>2.1%</b>
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**GRADUATION RATE**

2012	<b>88.6%</b>
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**DISTRICT E-RATE DISCOUNT**

**80%**

## Current State of Technology-Assessment and Needs

### CURRENT TECHNOLOGY NEEDS

- Increase amount of Instructional equipment (i.e., interactive response systems, printers, laptops, interactive white boards, ipads, document cameras etc.)
- Teacher Tablets
- Replace 5 Servers
- Increase WAN bandwidth from 30 to 100
- Ceiling mounts for projectors
- Installation of wireless access points
- New cabling and computer furniture
- Teacher Computer Replacement Program-60 new computers per year
- Increase student devices, laptops or tablets
- Replace 7 switches per year
- Increase staff skills and competence levels

### CURRENT TECHNOLOGY INVENTORY

- Over 300 desktop PCs
- Over 175 laptops
- Over 60 projectors
- Over 50 Smartboards
- 2 interactive tablets from SMART
- Over 20 document cameras

### CURRENT TECHNOLOGY SUPPORT STRATEGIES

- Technology Coordinator
- District Technology Coach
- Curriculum Coordinator
- Reading Coach

## Technology Plan

### **Technology Vision:**

**As a united faculty and community, Williston School District 29 will produce successful 21st century thinkers through the use of up to date technology and tasks that are project-based.**

### **How the Plan Was Developed:**

**The plan is a continuation of previous plans that have been updated with fresh ideas, new learning trends, and successful outcomes.**

## **LEARNERS AND THEIR ENVIRONMENT**

### **GOAL**

**Barnwell School District #29 will use research-proven strategies to provide home, school, and community environments conducive to our students achieving technological literacy beginning in elementary school and to raise the overall level of academic achievement in Williston-Elko Schools.**

## **CURRENT TECHNOLOGY USE**

**Barnwell School District #29's current technology use for learners in their environment includes:**

- VOIP Telephone System
- ETV Video Server
- Desktop workstations
- Laptop carts
- 4 Ipad Carts
- 8<sup>th</sup> Grade Class Set of Laptops
- 5th Grade Class Set of Ipads
- Ipads for Special Needs Classrooms and their teachers
- Teacher laptops for 25% of teaching staff
- Some Teacher Ipads
- Internet access for all classrooms including Wireless
- Lightspeed - filtering package
- Computer labs at all schools
- Technology driven media centers
- LCD projectors in 100% of classrooms
- Interactive Whiteboards in 95% of all core teachers.
- Powerschools – integrated software system designed to manage a wide array of school and student information

## **I. OBJECTIVES AND STRATEGIES**

**GOAL:** Barnwell School District #29 will use research-proven strategies to provide home, school, and community environments conducive to our students achieving technological literacy beginning in elementary school and to raise the overall level of academic achievement in Williston-Elko Schools.

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 and Common Core standards across the curriculum and will thereby increase their level of academic achievement.</p>	<ul style="list-style-type: none"> <li>▪ Provide opportunities and resources to districts and schools to facilitate the development and implementation of effective communication and collaboration skills using technology in all content areas</li> <li>▪ Conduct student projects that will yield sustained, engaged learning and collaboration in all content areas</li> <li>▪ Have students present their collaborative projects to identified audiences</li> <li>▪ Recognize and promote best practices that successfully integrate technology, including internet use, assistive technology, into the curriculum</li> <li>▪ Provide appropriate accommodations for students with special needs when conducting tests, including standardized tests, using technology</li> </ul>
<p><b>1.2</b> Students will engage in authentic learning activities that are aligned with state and common core standards and that integrate technology, including assistive technology, into the core content.</p>	<ul style="list-style-type: none"> <li>▪ Develop technology-enhanced learning activities aligned with state and Common Core standards in core content areas</li> <li>▪ Create and maintain student technology portfolios documenting grade-level-appropriate technology competencies</li> <li>▪ Continue to support the district technology coach, who offers guidance to schools, educate teachers, and helps ensure that lesson plans and activities incorporate a variety of technologies, including those appropriate for students with special needs</li> </ul>
<p><b>1.3</b> Students will select the appropriate tools to complete authentic, real-life multidisciplinary tasks.</p>	<ul style="list-style-type: none"> <li>▪ Create and use lesson activities in which students employ a variety of technology tools, including assistive technology, to complete authentic multidisciplinary tasks</li> <li>▪ Measure student technology proficiency by using surveys and performance-based assessments .</li> <li>▪ 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.</li> </ul>
<p><b>1.4</b> Barnwell School District #29 will provide students with an enhanced learning environment through technological tools, including assistive technology, that are designed to promote high academic achievement.</p>	<ul style="list-style-type: none"> <li>▪ Establish school and community learning environments that enable students to use technology for real-world problem solving and research</li> <li>▪ Continue use of the ISTE technology standards and further integrate them into the curriculum to enable students to fully participate in today's information-rich global society</li> </ul>

## II. ACTION LIST

### Barnwell School District #29 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 and Common Core standards.
- 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.
- 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.
- Establish grade-level-appropriate technology standards and competencies based on the ISTE NETS-S.
- Ensure improved student achievement test scores in the core content areas, increased student access to technology, and increased student access to technology outside the school environment.
- Establish minimum requirements for student portfolios that document student progress by including technology collaborative scoring rubrics and checklists, videos and pictures of student activities, samples of individual and collaborative problem-solving and research projects, samples of student products created using a variety of technology tools, and samples of other student work.
- Use student portfolios and checklists in all grades, as well as a performance-based technology applications evaluation at the completion of the fifth and eighth grades, to assess student technology proficiency as well as to assess the effectiveness of the assistive technology tools used by students with special needs.
- Give students opportunities to assess the effectiveness of technology tools, including the range of assistive technology, being used for classroom activities.
- Develop methods of recognizing student technology achievement.

## 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. 2014	JAN. 2015	JAN. 2016
<p><b>1.1</b> Students will use technology to acquire and demonstrate communication, collaboration, and engagement skills that are aligned with state and Common Core standards across the curriculum and will thereby increase their level of academic achievement.</p>	<ul style="list-style-type: none"> <li>• MAP Scores</li> <li>• Statewide achievement test scores</li> <li>• District report cards</li> <li>• Technology surveys</li> </ul>	<ul style="list-style-type: none"> <li>• MAP Scores</li> <li>• Statewide achievement test scores</li> <li>• District report cards</li> <li>• Technology surveys</li> <li>• Student portfolios</li> </ul>			

## 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. 2014	JAN. 2015	JAN. 2016
<p><b>1.2</b> Students will engage in authentic learning activities that are aligned with state and Common Core standards and that integrate technology, including assistive technology, into the core content.</p>	<ul style="list-style-type: none"> <li>• Student portfolios</li> <li>• School technology and improvement plans</li> <li>• District, school, and community surveys</li> </ul>	<ul style="list-style-type: none"> <li>• Observations and interviews</li> <li>• Anecdotal records</li> <li>• Documented access to on-line resources</li> <li>• Listing of recognition programs</li> <li>• Enrich</li> </ul>			
<p><b>1.3</b> Students will select the appropriate tools to complete authentic, real-life multidisciplinary tasks and will demonstrate technology competence.</p>					
<p><b>1.4</b> Barnwell School District #29 will provide students with an extended learning environment through technological tools, including assistive technology, that are designed to promote high academic achievement.</p>					

# PROFESSIONAL CAPACITY

## GOAL

Barnwell School District #29 will provide curriculum development and professional development to increase the competency of all District 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

Barnwell School District #29 offers a wide variety of curriculum and professional development strategies. The district also employs a District Technology Curriculum Coach who provides one-on-one training; school wide training, and district-wide training in technology. Training sessions are scheduled periodically and on an as needed basis.

## I. OBJECTIVES AND STRATEGIES

GOAL: Barnwell School District #29 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

**2.1** Barnwell School District #29 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.

- Require a teacher competency process that requires demonstration of proficiency in integrating instructional technology standards
- Adopt a process that requires teachers to demonstrate ongoing proficiency in integrating instructional technology standards
- Include in district technology plans 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
- Require district and school administrators to demonstrate technology proficiencies based upon the state-recommended standards for administrators (ISTE NETS-A)

**2.2** Barnwell School District #29 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.

- Identify technology fluent teachers to assist with basic technology skills and the integration of the technology into classroom instruction in every school
- Require that District technology Coach provide direct training and consultation to teachers in their classrooms, with special emphasis on helping administrators, teachers, and students meet the

## I. OBJECTIVES AND STRATEGIES

**GOAL:** Barnwell School District #29 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>state-recommended technology standards (ISTE NETS-A, ISTE NETS-T, ISTE NETS-S ) as well as helping students to meet the state and common core content standards in all areas</p>
<p><b>2.3</b> Barnwell School District #29 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"> <li>• Develop and submit a technology plan that (1) is directed by the district's technology leadership, (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</li> <li>• Include in district technology plans professional development for district staff and teachers to be part of assistive technology assessment teams</li> <li>• Include in district technology plans the training needed to ensure the accessibility of electronic and information technology to students with special needs</li> <li>• 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</li> </ul>
<p><b>2.4</b> Barnwell School District #29 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>	<ul style="list-style-type: none"> <li>• 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</li> <li>• Provide a list of professional development opportunities on MyLearningPlan.com.</li> <li>• Provide professional development opportunities focused on aligning state technology standards with state content standards</li> <li>• Develop alliances to promote technology integration throughout the K-12 curriculum</li> <li>• 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 and common core curriculum</li> </ul>

## I. OBJECTIVES AND STRATEGIES

**GOAL:** Barnwell School District #29 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;"><b>standards and lesson plans</b></p> <ul style="list-style-type: none"> <li>• Develop a network of professional development providers who have the skills and experience necessary to prepare teachers for effective technology use</li> </ul>
<p><b>2.5</b> Barnwell School District #29 will assess the overall effectiveness of professional development in the area of instructional technology standards and the impact of technology on student achievement.</p>	<ul style="list-style-type: none"> <li>• Establish minimum levels of teacher technology proficiency</li> <li>• Incorporate instructional technology assessment into current teacher and administrator evaluation processes</li> <li>• Administer a needs assessment to teachers and administrators to determine current levels and types of professional development that must be offered</li> <li>• Administer evaluations to determine the effectiveness and impact of the professional development offered to teachers and administrators</li> <li>• Encourage teachers to create and maintain technology portfolios showing examples of their students' work and documenting use of technology in their classrooms</li> </ul>

## II. ACTION LIST

**Barnwell School District #29 will:**

- Utilize the expertise of staff members and faculty in school districts and institutions of higher learning throughout the nation.
- Utilize the District Technology Coach and School-Level Technology teachers to increase student learning.
- Submit an annual technology professional development plan derived from school-level surveys and outline the technology education offerings and requirements, including assistive technology.
- Work with the Office of Curriculum and Standards to develop recommendations for teacher

## II. ACTION LIST

professional development plans, integrating technology and content standards into professional development opportunities.

- Have school administrators 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.
- 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.
- Provide training for teachers in using assistive technology tools.
- 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.
- Provide training in accessibility issues involving applicable state and federal legislation.
- Instruct teachers to keep portfolios that include sample lesson plans indicating increased technology integration across the core content areas in alignment with the state academic standards.

## 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. 2014	JAN. 2015	JAN. 2016
<p><b>2.1</b> Barnwell School District #29 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"> <li>• Statewide achievement test scores</li> <li>• District report cards</li> <li>• Teacher technology proficiency proviso forms</li> <li>• Professional development</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> </ul>			

## 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. 2014	JAN. 2015	JAN. 2016
<p><b>2.2</b> Barnwell School District #29 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>• surveys</li> <li>• Teacher and administrator portfolios</li> <li>• School technology and improvement plans</li> <li>• Technology assessments</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher and administrator portfolios</li> <li>• Observations and interviews</li> <li>• Anecdotal records</li> <li>• Documented access to on-line resources</li> <li>• Technology assessments</li> </ul>			
<p><b>2.3</b> Barnwell School District #29 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>					
<p><b>2.4</b> Barnwell School District #29 will provide schools with <b>information and training</b> in technology integration so that teachers can use research-based best-practice instructional methods throughout the curriculum.</p>					

**V. EVALUATION**

<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. 2014</b>	<b>JAN. 2015</b>	<b>JAN. 2016</b>
<p><b>2.5</b> Barnwell School District #29 will assess the overall effectiveness of professional development in the area of instructional technology standards and the impact of technology on student achievement</p>					

# INSTRUCTIONAL CAPACITY

## GOAL

Barnwell School District #29 will use current and emerging technology to create learner-centered instructional environments that enhance academic achievement.

## SNAPSHOT OF CURRENT TECHNOLOGY USE

- Internet access for all classrooms including WI-FI
- Equipped computer labs with network printers
- Some classroom sets of laptops and ipads
- Powerschools administrative software to record student grades, transcripts, attendance, discipline, etc.
- LCD projectors
- Document Cameras
- Smart Interactive Boards
- Interactive LCD monitors
- Unitedstreaming Videos
- BrainPop videos
- Presentation software
- Publishing software
- ePortfolio
- Study Island
- Apex

## I. OBJECTIVES AND STRATEGIES

**GOAL:** Barnwell School District #29 will use current and emerging technology to create learner-centered instructional environments that enhance higher-level thinking to increase academic achievement.

### OBJECTIVES

### STRATEGIES

**3.1** Barnwell School District #29 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.

- 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.
- Facilitate the use of technologies to support and enhance instructional methods (including the use of hardware, software, and assistive technology) that

## I. OBJECTIVES AND STRATEGIES

**GOAL:** Barnwell School District #29 will use current and emerging technology to create learner-centered instructional environments that enhance higher-level thinking to increase academic achievement.

OBJECTIVES	STRATEGIES
	develop higher-level thinking, decision-making, and problem-solving skills
<b>3.2</b> Barnwell School District #29 will provide teachers with the technology resources, including assistive technology, necessary to increase academic achievement by engaging students in active learning.	<ul style="list-style-type: none"> <li>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</li> </ul>
<b>3.3</b> Barnwell School District #29 will provide students with access to current and emerging technology resources that will extend their learning beyond the traditional classroom setting and schedule.	<ul style="list-style-type: none"> <li>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</li> </ul>
<b>3.4</b> Barnwell School District #29 will provide and support a variety of multimedia equipment and software for teaching and learning.	<ul style="list-style-type: none"> <li>Communicate via the district technology plan a vision for multimedia infrastructure designed to support instruction</li> <li>Establish a system for identifying, specifying, prioritizing, and managing equipment for multimedia development in direct support of curricular and professional development objectives</li> </ul>

## II. ACTION LIST

### **Barnwell School District #29 will:**

- Conduct technology planning meetings to address curricular design, instructional needs of all teachers, instructional strategies, and appropriate learning environments.
- Conduct technology planning meetings to address the inclusion of appropriate assistive technology into curricular design, instructional strategies, and learning environments (general and special education).
- Pursue funding opportunities such as grants to provide funds to acquire and maintain hardware and software for use in classroom instruction.
- Pursue funding opportunities such as grants to acquire and maintain assistive technology for use in classroom instruction and home access when appropriate.
- Display products resulting from the integration of technology into the core curriculum areas and

## II. ACTION LIST

documentation of student presentations that illustrate the ability to synthesize and analyze information.

## 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. 2014	JAN. 2015	JAN. 2016
<p><b>3.1</b> Barnwell School District #29 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"> <li>• MAP Scores</li> <li>• Statewide achievement test scores</li> <li>• Technology readiness and access surveys</li> <li>• District report cards</li> </ul>	<ul style="list-style-type: none"> <li>• MAP Scores</li> <li>• Statewide achievement test scores</li> <li>• District report cards</li> <li>• Technology readiness and access surveys</li> <li>• Teacher technology proficiency proviso forms</li> </ul>			
<p><b>3.2</b> Barnwell School District #29 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"> <li>• Teacher technology proficiency proviso forms</li> <li>• Teacher and administrator portfolios</li> <li>• School technology and improvement plans</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher and administrator portfolios</li> <li>• Observations and interviews</li> <li>• Anecdotal records</li> <li>• Documented access to on-line resources</li> </ul>			
<p><b>3.3</b> Barnwell School District #29 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"> <li>• Technology assessments</li> <li>• Documentation of offerings provided via innovative delivery</li> </ul>	<ul style="list-style-type: none"> <li>• Technology assessments</li> <li>• Documentation of offerings provided via innovative delivery methods</li> </ul>			

**3.4**

Barnwell School District #29 will provide and support a variety of multimedia equipment and software for teaching and learning.

methods

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# SUPPORT CAPACITY

## GOAL

Barnwell School District #29 will expand and support technology resources to assist educators and learners in meeting the state and common core academic standards.

## SNAPSHOT OF CURRENT TECHNOLOGY USE

Barnwell School District #29 is working to expand and support its technology in an effort to assist educators and learners in meeting the state and common core academic standards. With the addition of our District Technology Curriculum Coach, the district is having a difficult time meeting demand for new instructional equipment and refreshing older equipment.

## I. OBJECTIVES AND STRATEGIES

**GOAL:** Barnwell School District #29 will expand and support technology resources to assist educators and learners in meeting the state and common core academic standards.

### OBJECTIVES

### STRATEGIES

**5.1** Barnwell School District #29 will ensure that all students, including those with special needs, and teachers have access to electronic information resources.

- 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
- 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
- Create a district strategic plan for acquiring and implementing the technology, including assistive technology, that is required to provide universal access to network resources
- Seek school and district funding from available local, state, and federal sources, including E-rate, grants, and bonds

**5.2** Barnwell School District #29 will ensure that their schools have an integrated, secure network infrastructure with dynamic bandwidth capacity to support

- Communicate in the district technology plan a vision for multimedia infrastructure designed to support instruction
- Establish a system for identifying, specifying,

## I. OBJECTIVES AND STRATEGIES

**GOAL:** Barnwell School District #29 will expand and support technology resources to assist educators and learners in meeting the state and common core academic standards.

### OBJECTIVES

### STRATEGIES

fully converged networks that allow for communication, data collection and distribution, and distance learning.

- prioritizing, and managing equipment for multimedia development in direct support of curricular and professional development objectives
- Ensure the installation, maintenance, and support of multimedia-capable teacher stations in classrooms including data projectors to support large-group instruction
- Research and implement an integrated network infrastructure capable of utilizing all distribution modules
- Use bundled distribution packages as a primary means of distribution to manage fully converged networks
- 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
- Assess LAN/WAN technology currently implemented to determine SNMP (simple network management protocol) compliance
- Implement a district network management tool that performs automated software installation

**5.3** Barnwell School District #29 will have one qualified Full-time Informational Technology Director.

- Provide district-wide network support

**5.4** Barnwell School District #29 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.

- Ensure that disaster recovery plans are included in the district technology plan
- Ensure that schools will have electrical distribution systems that provide isolated circuits in all classrooms and redundant power sources for mission-critical equipment
- Implement a district management application that monitors bandwidth on the LAN and WAN and provides network failure alarms that can be accessed remotely

**5.5** Barnwell School District #29 will implement obsolescence and upgrade plan to replace and recycle equipment and software.

- Ensure that the obsolescence and upgrade plans are included in the district technology plan

## I. OBJECTIVES AND STRATEGIES

GOAL: Barnwell School District #29 will expand and support technology resources to assist educators and learners in meeting the state and common core academic standards.

### OBJECTIVES

### STRATEGIES

**5.6** Barnwell School District #29 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.

- Provide training in basic Web page accessibility principles to staff, teachers—and, when appropriate, students—who design Web pages as part of the curriculum

## II. ACTION LIST

### ***Barnwell School District #29 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.
- 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.
- include in their local budgets line items for technology, including assistive technology, with sufficient funding to implement the designated strategies.
- maintain a strategic plan for acquiring and implementing technology, including 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.
- include a disaster recovery plan in the district technology plan
- include an obsolescence and upgrade plan, including strategies to refurbish, resell, recycle, or donate obsolete devices within the district technology plan
- have district policies outlined in district technology plans that will include security accountability, virus protection, and Internet filtering guidelines.
- provide for outlets and amperage and for meeting industry standards and building codes.
- Districts should have records to show that they have assessed their current LAN/WAN technology.
- ensure that new school construction provides for isolated power in each classroom, computer lab, telecommunications closet, and work area.
- provide UPS (uninterruptible power supply) systems for all critical equipment.
- have a network manager in place.

## II. ACTION LIST

- designate a Web accessibility resource person to coordinate training and information sharing among district personnel.

## 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. 2014	JAN. 2015	JAN. 2016
<p><b>5.1</b> Barnwell School District #29 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"> <li>• Statewide achievement test scores</li> <li>• District report cards</li> <li>• Professional development tracking and surveys</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> </ul>			
<p><b>5.2</b> Barnwell School District #29 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"> <li>• District, school, and community surveys</li> <li>• School technology and improvement plans</li> <li>• Documented access to technology resources</li> </ul>	<ul style="list-style-type: none"> <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> </ul>			
<p><b>5.3</b> Barnwell School District #29 will have one qualified Full-time Informational Technology Director.</p>	<ul style="list-style-type: none"> <li>• Technology needs assessments</li> </ul>	<ul style="list-style-type: none"> <li>• Technology needs assessments</li> <li>• The SDE's Technology Counts</li> </ul>			

## 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. 2014	JAN. 2015	JAN. 2016
<p><b>5.4</b> Barnwell School District #29 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"> <li>• The SDE's Technology Counts on-line survey</li> <li>• Budget data</li> <li>• State personnel reports</li> </ul>	<p>on-line survey</p> <ul style="list-style-type: none"> <li>• Budget data</li> <li>• State personnel reports</li> </ul>			
<p><b>5.5</b> Barnwell School District #29 will implement an obsolescence and upgrade plan to replace and recycle equipment and software.</p>					
<p><b>5.6</b> Barnwell School District #29 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>					

## Technology Programs

### **Infrastructure Upgrade Program**

Our infrastructure consists of cabling, switches and file servers. Currently there is cabling in most areas where technology is necessary. However, there are several areas that need cabling installation and/or upgrades. This plan proposes an annual cabling budget to address new cabling needs as well as maintenance/repair of existing cabling drops. Almost all of our cabling is done in house.

There are 34 switches in the district connecting PC's and wireless access points (AP's) to the network. This plan proposes to replace seven switches per year leaving no switch more than 5 years old.

There are 12 file servers in the district ranging from 4 to 12 years old. Through the use of virtual server technology, these may be reduced down to 5 servers. This plan proposes for one time upfront money as part of the conversion from Novell to Microsoft to purchase 2 new servers, virtualize them and reduce existing servers. This plan also calls for replacing one file server a year so no file server is more than 5 years old.

### **Computer Replacement Program**

There are approximately 300 computers in the district for teachers, staff, administration, media centers and computer labs. Approximately 80 computers can be replaced on a 4 year rotating cycle through the use of state equipment money.

This plan calls for replacement of about 60 computers every year, leaving no computer more than 4 years old.

### **Wireless Technology Program**

Installing, upgrading and maintaining our wireless network has become even more important as we bring more wireless devices on to the network.

This plan calls for one time up front money to install wireless at the district office which does not have wireless, replace the existing outdated wireless technology at the high school and middle school and review and upgrade the wireless network in subsequent years.

### **Teacher Laptop/Tablet Program**

Teachers prefer to have laptop computers rather than desktop computers on their desk. This would be included as part of the computer replacement program.

Teachers need to learn to utilize tablet devices in their instruction with students. Tablets are now a major focus in classrooms across the nation and is expanding rapidly. This plan calls for new tablet devices for all teachers. These tablets would be implemented in years 1 through 3 with replacement starting in year 4 to coincide with the introduction of student tablet devices.

In addition, this plan calls for placing document cameras in all classrooms to use with projectors so the older overhead projectors can be removed. Document cameras allow teachers to project books, worksheets and actual objects on the SMART board which allows for greater flexibility for the teachers and their instruction.

### **Student Tablet Program**

It was stated by teachers that they would prefer to have tablets before students so they can have lessons drawn up and created on their tablets and be able to effectively assist students with the student tablets.

One item that teachers requested was more student response devices. However, student response systems can be done online now and with the introduction of student tablets, we would not have to purchase student response systems separately.

### **Computer Furniture Upgrade**

It is important that we not only outfit our schools with modern technology, but we must also add the proper furniture to effectively use the technology.

This plan calls for mobile carts for teachers for use with their SMART boards that can hold their laptop and their document camera, teacher computer stations next to their desks that can accommodate their computer and printer, and new computer tables for our computer labs.

### **Teacher Recertification Training Program**

A very necessary and important component of this plan is making sure our teachers are properly trained in the use of all technology we introduce to them. While many teachers take advantage of training that is offered, it is more effective and better attended when there is recertification credit attached to the training.

This plan calls for more teacher technology training and that we offer recertification credit with as much of the training as possible.

### **Annual Maintenance**

Having and utilizing technology also means maintaining the technology to get the most use out of it and the longest life possible. Projector bulbs and print cartridges are two of the most consumable items we currently have. Many printers have also become a consumable item where it is less expensive to buy a new printer than it is to purchase toner cartridges and drums for the printers.

This plan calls for an annual maintenance budget to properly maintain our equipment to get maximum use out of it.

### **Renewal Program**

Software renewals are necessary to maintain our file server operating system upgrades/deployment, latest versions of desktop operating systems and desktop office suite. In addition, our web content filter, email SPAM filter and our media center systems are annual software renewals necessary to maintain the operation of our systems.

This plan also includes renewals for several hardware items that require annual maintenance renewals.

### **Technology Enhancements (one time cost)**

This plan calls for new cabling and computer furniture for the middle school to split up the existing 50 station computer lab and create a true second lab at the middle school.

This plan calls for new cabling, computer furniture and computers to create a second computer lab at Kelly Edwards in year two.

This plan calls for changing our network from Novell to Microsoft. The lack of support for Novell is quickly becoming an issue. Microsoft's large market presence also means that software and devices are built with Microsoft compatibility in mind.

## CUMULATIVE TARGETS AND BENCHMARKS

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

**2013-2014**

### Learners and Their Environment

- 100% of Barnwell School District #29's students will have created technology documents through the use of a variety of technology tools to complete authentic tasks.
- 100% of the Barnwell School District #29's teachers and students will possess effective communication skills and technology literacy as evidenced by teacher and student presentations.

### Professional Capacity

- 100% percent of Barnwell School District #29's teachers will possess technology proficiency as evidenced by Teacher Portfolios and District or State mandated assessment system.
- 100% of Barnwell School District #29's teachers will also demonstrate proficiency by maintaining teacher technology portfolios, keeping a journal of course experiences, interacting with the school technology coach, and integrating technology into the curriculum to teach the state curriculum standards.
- Barnwell School District #29 will have a technology coach who trains teachers and visits classrooms to help teachers integrate technology into the curriculum.

### Instructional Capacity

- 100% of Barnwell School District #29'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 portfolios.
- Thirty percent of Barnwell School District #29'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.

### Support Capacity

- Barnwell School District #29 will include in their technology plans an assessment of their current technology needs, their current technology inventory, and their current technology support strategies.

**2014-2015**

### Learners and Their Environment

- 100% of Barnwell School District #29's students will have created technology documents through the use of a variety of technology tools to complete authentic tasks.
- 100% of the Barnwell School District #29 teachers and students will possess effective communication skills and technology literacy as evidenced by teacher and student presentations.

### Professional Capacity

- 100% of Barnwell School District #29's teachers will possess technology proficiency as evidenced by teacher technology proficiency assurance forms.
- 100% of Barnwell School District #29's teachers will also demonstrate proficiency by maintaining teacher and student technology portfolios, keeping a journal of course experiences, interacting with the school technology coach, and integrating technology into the curriculum to teach the state curriculum standards.
- Barnwell School District #29 will have a technology coach who trains teachers and visits classrooms to help teachers integrate technology into the curriculum.

### **Instructional Capacity**

- 100% of Barnwell School District #29'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 portfolios.
- 50% of 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.

### **Support Capacity**

- Barnwell School District #29 will include in their technology plans an assessment of their current technology needs, their current technology inventory, and their current technology support strategies.

**2015-2016**

### **Learners and Their Environment**

- 100% of Barnwell School District #29's students will have created technology documents through the use of a variety of technology tools to complete authentic tasks.
- 100% of Barnwell School District #29's teachers and students will possess effective communication skills and technology literacy as evidenced by teacher and student presentations.

### **Professional Capacity**

- 100% of Barnwell School District #29's teachers will possess technology proficiency as evidenced by teacher technology proficiency assurance forms. Eighty percent of the state's teachers will also demonstrate proficiency by maintaining teacher and student technology portfolios, keeping a journal of course experiences, interacting with the school technology coach, and integrating technology into the curriculum to teach the state curriculum standards.
- Barnwell School District #29 will have a technology coach who trains teachers and visits classrooms to help teachers integrate technology into the curriculum.

### **Instructional Capacity**

- 100% of Barnwell School District #29's teachers will integrate technology and information literacy skills into their teaching of the South Carolina and Common Core academic standards as evidenced by the technology proficiency assurance forms and teacher portfolios.
- Seventy percent of Barnwell School District #29'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.

### **Support Capacity**

- Barnwell School District #29's will include in their technology plans an assessment of their current technology needs, their current technology inventory, and their current technology support strategies.

## Timeline

### **Year One – 2014-2015**

- Year one of Infrastructure Upgrade Program - Replace one file server and 7 switches
- Year one of Computer Replacement Program - Replace 60 teacher and staff computers to maintain a modern digital environment
- Install new wireless for the District Office
- Install tablet devices and document cameras for teachers at the high school
- Staff training and recertification renewal
- Annual maintenance of projectors and printers
- Software and maintenance renewal
- Hardware and software for special needs assistive technologies
- Add new computer carts and computer stations for teachers at the high school

### **Year Two – 2015 – 2016**

- Year two of Infrastructure Upgrade Program - Replace one file server and 7 switches
- Year two of Computer Replacement Program - Replace 60 teacher and staff computers to maintain a modern digital environment
- Replace current wireless access points at the high school
- Install tablet devices and document cameras for teachers at the middle school
- Staff training and recertification renewal
- Annual maintenance of projectors and printers
- Software and maintenance renewal
- Hardware and software for special needs assistive technologies
- Add new computer carts and computer stations for teachers at the middle school

### **Year Three – 2016 – 2017**

- Year three of Infrastructure Upgrade Program - Replace one file server and 7 switches
- Year three of Computer Replacement Program - Replace teacher and staff computers to maintain a modern digital environment –Install new wireless for the District Office
- Replace current wireless at the middle school
- Install tablet devices for teachers and document cameras at the elementary school

**Budget**

**Williston School District #29**

**Technology Plan Budget List**

Initial	Description	Qty	Ind. \$	Amt. \$	Cost	Type
	Upgrade current network				\$30,000	one time
	Two file servers	2	\$3,000	\$6,000		
	Network change	1	\$27,000	\$27,000		
	Ceiling mount projectors	40	\$800	\$32,000	\$32,000	one time
	Install wireless access points at DO	7	\$900	\$6,300	\$6,300	one time
	Install cabling and furniture to support a second lab at the middle school				\$19,400	one time
	Cabling	30	\$300	\$9,000		
	Furniture	26	\$400	\$10,400		
	<b>Initial technology enhancements total</b>				<b>\$87,700</b>	

1st Year 2014-15	Description	Qty	Ind. \$	Amt. \$	Cost	Type
	Upgrade servers and switches				\$25,000	recurring
	One file server	1	\$4,000	\$4,000		
	Seven switches	7	\$3,000	\$21,000		
	Install 60 new laptops/desktops @ HS	60	\$900	\$54,000	\$54,000	recurring
	Install tablet devices and document cameras at the high school				\$16,400	recurring
	Document cameras	20	\$100	\$2,000		
	Tablet devices	24	\$600	\$14,400		
	Replace existing wireless at the HS	12	\$900	\$10,800	\$10,800	one time
	Teacher Training/travel expense				\$2,500	recurring
	Annual software and hardware renewal				\$19,200	recurring
	Microsoft EES-MS Office and OS		\$5,800			
	Web/SPAM filter		\$5,600			
	Follett - Media Center		\$5,400			
	Router/Switches		\$2,400			
	Purchase/upgrade assistive technology				\$5,000	recurring
	Annual maintenance printers/projectors				\$5,000	recurring
	New computer carts and stations for HS				\$16,500	one time
	Teacher Computer Cart	22	\$250	\$5,500		

	Teacher Computer Station	22	\$500	\$11,000	
Cable and furniture for 2nd lab at KE					\$17,360
	Cabling	28	\$360	\$10,080	
	Computer tables and chairs	26	\$280	\$7,280	
<b>Year One Total</b>					<b>\$171,760</b>

2nd Year 2015-16	Description	Qty	Ind. \$	Amt. \$	Cost	Type
	Upgrade servers and switches				\$25,000	recurring
	One file server	1	\$4,000	\$4,000		
	Seven switches	7	\$3,000	\$21,000		
	Install 60 new laptops/desktops @ MS	60	\$900	\$54,000	\$54,000	recurring
	Install tablet devices and document cameras at the middle school				17000	recurring
	Document cameras	14	\$100	\$1,400		
	Tablet devices	26	\$600	\$15,600		
	Replace existing wireless at the MS	11	\$900	\$9,900	\$9,900	one time
	Teacher Training/travel expense				\$2,500	recurring
	Annual software and hardware renewal				\$19,200	recurring
	Microsoft EES-MS Office and OS		\$5,800			
	Web/SPAM filter		\$5,600			
	Follett - Media Center		\$5,400			
	Router/Switches		\$2,400			
	Purchase/upgrade assistive technology				\$5,000	recurring
	Annual maintenance printers/projectors				\$5,000	recurring
	New computer carts and stations for MS				\$10,500	one time
	Teacher Computer Cart	14	\$250	\$3,500		
	Teacher Computer Station	14	\$500	\$7,000		
	Equipment for 2nd computer lab at KE				\$25,400	
	Computers	28	\$800	\$22,400		
	SMART board	1	\$1,200	\$1,200		

	Projector-ceiling mounted	1	\$1,400	\$1,400	
	Network Printer	1	\$400	\$400	
	<b>Year Two Total</b>				<b>\$173,500</b>

3rd Year 2016-17	Description		Qty	Ind. \$	Amt. \$	Cost	Type
	Upgrade servers and switches						\$25,000
	One file server	1	\$4,000	\$4,000			
	Seven switches	7	\$3,000	\$21,000			
Install 60 new laptops/desktops @ KE		60	\$900	\$54,000	\$54,000		recurring
Install tablet devices and document cameras at the elementary school						18000	recurring
	Document cameras	24	\$100	\$2,400			
	Tablet devices	26	\$600	\$15,600			
Additional access points for KE		5	\$900	\$4,500	\$4,500		one time
Teacher Training/travel expense					\$2,500		recurring
Annual software and hardware renewal					\$19,200		recurring
	Microsoft EES-MS Office and OS		\$5,800				
	Web/SPAM filter		\$5,600				
	Follett - Media Center		\$5,400				
	Router/Switches		\$2,400				
Purchase/upgrade assistive technology					\$5,000		recurring
Annual maintenance printers/projectors					\$5,000		recurring
New computer carts and stations for KE					\$18,000		one time
	Teacher Computer Cart	24	\$250	\$6,000			
	Teacher Computer Station	24	\$500	\$12,000			
Cable and furniture for 3rd lab at HS					\$17,360		
	Cabling	28	\$360	\$10,080			
	Computer tables and chairs	26	\$280	\$7,280			
<b>Year Three Total</b>						<b>\$168,560</b>	

## REQUIRED APPENDIXES

### *Appendix 1:*

#### **Technology Inventory and IT Skills Inventory**

Technology Inventory-Attached

Skills Inventory-Pending

### *Appendix 2:*

#### **Network Diagram**

Network Diagram-Attached

### *Appendix 3:*

#### **Acceptable Use Policy**

Barnwell School District #29's Acceptable Use Policy can be found at the following URL:  
<http://www.williston.k12.sc.us/userfiles/9/Technology/Acceptable%20Use.pdf>