

# Rock Hill Schools

## Technology Plan

Funding Years 2017-2019

7/1/2017 – 6/30/2020



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## EXECUTIVE SUMMARY

Rock Hill Schools, 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 three-year strategic plan.

The document, *Rock Hill Schools Technology Plan 2017-19*, 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 district not merely to satisfy but to exceed the requirements established by the S.C. Education Oversight Committee as well as those requirements set forth in the district strategic plan; state strategic plan; State Superintendent's Every Student Succeeds Act (ESSA – Refer to *appendix 1*); 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, Rock Hill Schools require teachers to demonstrate proficiency in technology standards as part of each teacher's Professional Development plan.

The *Rock Hill Schools Technology Plan 2017-19* 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.

The *Rock Hill Schools Technology Plan 2017-19* presents five core technology dimensions that must be addressed to begin improving student achievement through the use of technology as an integrated tool. All strategic actions are designed to increase student achievement through the effective integration of technology into the core curriculum. Measurable goals, objectives and strategies, an action list, an evaluation plan, and benchmarks are given for each core technology dimension.

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

### **Technology Dimension 1: Learners and Their Environment**

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

**Technology Dimension 2: Professional Capacity**

Goal: Rock Hill Schools will provide professional development opportunities for all staff in an effort to increase the technology competencies of district employees. The effective integration of instructional technologies in the design of engaging work for students will be the focus of all professional development activities designed for certified staff.

**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 strive to increase student achievement through the use of 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 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.

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- Finance and Resources, Mr. Anthony Cox
- Management and Support, Mr. Joel Whitesides
- Planning and Program Support, Dr. Luanne L. Kokolis

## BACKGROUND INFORMATION

### District Profile

Rock Hill Schools is the largest school district in York County—geographically and in student enrollment. The district is 180 square miles and is located in Rock Hill, South Carolina. Its current enrollment of 17,766 students (5K through grade 12) ranks as the eleventh largest district in South Carolina. In addition, Rock Hill Schools has a population of 575 three and four-year-olds. Nearly 67 percent of the certified staff has a master’s degree or higher, and the district leads the state, per capita, in the number of teachers with National Board Certification. The average student/teacher ratio is 20:1 in grades 1 – 5 and 27:1 in grades 6 – 12.

Rock Hill Schools currently has 27 schools (including 7 choice schools): 1 pre-school, 17 elementary schools (8 elementary schools have full-day 4K programs), 5 middle schools, 3 high schools, and 1 technology center. The district has many special centers, including a non-traditional setting for high school-age students who want to earn a high school diploma.

Our graduation rate for seniors is 85.3 percent, and our dropout rate is at 2.8 percent. As for other pertinent student data:

- 1296 are ESL (27 different languages)
- 51.6% qualifies for free lunch.
- 5.8% qualifies for a reduced lunch
- 14.51% qualifies for special education services
- 60 percent E-rate Discount

Rock Hill Schools Superintendent, Dr. Kelly Pew, has submitted these goals:

- Academics
  - Continue to use the Profile of the S.C. Graduate as a guide for students in Rock Hill School District 3. (Refer to *appendix 8*)
  - Implement a K-12 STEAM program.
  - Implement a successful Inquiry program at Ebenezer Avenue.
  - Review GT program district-wide.
  - Require all principals conduct a minimum of 100 classroom walk-throughs during 16-17 and document the walk-throughs in Classroom Mosaic.
  - Maintain good standing with International Baccalaureate for five schools.
  - Prepare for IB Reauthorization visit for Sullivan Middle School.
  - Support District staff in Language Immersion training.
  - Develop an evaluation matrix for all Choice schools.
  - Continue to show improvement in student achievement as measured by:

MAP	ACT
SC Ready	Workkeys
SC PASS	End of Course
	AP and IB

- Research the possibility of online registration for the FY17-18 school year.

- Operations
  - Continuing to Build On the Rock (Capital Plan voted on in May 2016)
  - Facilities Study (Voted on June 16, 2016)
- Technology
  - Continue implementation of the Technology Plan- distributing laptops for students in grades 7-8 and identifying device to replace elementary iPads.
- Staff
  - Personnel added to address Response to Intervention (Tier 2 and Tier 3) at elementary and middle schools.
  - Additional personnel in communications department.
  - Personnel added to support Choice programs (Lead teacher for Inquiry, Language, etc.)
  - Instructional Coaches and Instructional Specialists are assigned based on school level data and school level needs.
  - Elementary Reading Coaches at each elementary school.
  - Response to Intervention Teachers at select Elementary Schools and Middle School (new for FY 17).

Rock Hill Schools is recognized as one of the most innovative districts in South Carolina with regard to the use of technology and innovative programs. We have new programs and have modified current programs...

- Choice Programs (Language Immersion, Inquiry, STEAM)
- Equity Committee
- Grades 7-12 Laptops
- Canvas Learning Management System (Teachers, Students, Parents)

We offer 9 schools of choice/charter schools:

- Accelerated Studies- Available Grades K-5
- Arts- Available Grades K-5
- International Baccalaureate- Available Grades K-12
- Inquiry- Available Grades 3-5
- Language Immersion- Available Grades K-5
- Montessori- Available Grades PK-2
- STEAM- Available Grades K-12

We operate a virtual high school; have a technology integration specialist in each school; and we are making significant progress in the use of technology to improve instruction.

In support of the district's mission to provide all students with challenging work that authentically engages them in the learning process and prepares them for successful futures, Rock Hill Schools embarked upon a journey to empower every individual with the tools, resources and desire to learn anytime and anywhere.

## **District Mission**

### ***Mission***

Rock Hill Schools will provide all students with challenging work that authentically engages them in the learning process and prepares them for successful futures.

### ***Vision***

Engaging Students for Successful Futures



## ***Beliefs***

The following beliefs, developed by the district as a part of the plan to provide every student with a digital learning device, establish a connection between 1:1 technology access and fulfillment of the mission statement.

- Student achievement and engagement in school are increased when students have access to digital learning devices anytime, anywhere.
- Students are empowered as learners through one-to-one access to digital learning devices.
- Students must be able to research, integrate learning, and synthesize knowledge and ideas through digital learning devices to achieve characteristics, skills and knowledge of the South Carolina State Profile of a High School Graduate.
- Access to digital learning devices better prepares students to be learners and workers of tomorrow who can investigate and solve real-world problems and understand the expectations of the modern workplace.
- Teachers, through effective professional development, are able to use more effective strategies to reach all learners, differentiate instruction, and assess understanding through multiple measures when students have access to digital learning devices.

Rock Hill Schools shares these beliefs with a number of prominent organizations and governmental agencies, both at the state and federal level. President Obama's ConnectEd initiative and Governor Haley's K-12 Education Reform Plan both place heavy emphasis on digital access as a means to increase student achievement and ensure college and career readiness. Non-partisan organizations like the The Partnership for 21st Century Skills, a coalition bringing together the business community, education leaders, and policymakers to position 21st century readiness at the center of US K-12 education, and the International Society for Technology in Education (ISTE) share similar views on the need for increased access to digital tools in grades K-12.

President Obama's Connect Ed Initiative

[http://media.cmgdigital.com/shared/news/documents/2013/06/06/connected\\_fact\\_sheet.pdf](http://media.cmgdigital.com/shared/news/documents/2013/06/06/connected_fact_sheet.pdf)

Governor Haley's K-12 Education Reform Plan

<http://media.thestate.com/smedia/2014/01/08/16/33/19jrAw.S0.74.pdf>

The Partnership for 21st Century Skills

<http://www.p21.org>

ISTE <http://www.iste.org/about/iste-story>

## ***Strategies to Accomplish Mission***

### **Strategy One**

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

### **Strategy Two**

We will provide training and support for effective teaching and active learning.

### **Strategy Three**

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

### **Strategy Four**

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

### **Strategy Five**

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

### **Strategy Six**

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

### **Strategy Seven**

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

# **CURRENT STATE OF TECHNOLOGY**

## **Current Technology Needs**

- Upgrade instructional equipment for every classroom
- Increase 1:1 mobile computing devices for students
- Expand district laptop initiative
- Expand instructional support staff for technology

## **Recent Technology Additions and Changes**

- Intercom upgrade at each school
- Security Camera upgrade (Video Insight)
- Raptor Visitor Management System
- 7<sup>th</sup> and 8<sup>th</sup> Grades transition from iPads to Windows Laptop (1:1)
- 5<sup>th</sup> Grade transition from iPads to Windows Laptop (1:1)
- Transition teacher Apple devices to Windows laptop as their students transition
- Create mobile carts with surplus teacher MacBook Pros to be used throughout the district
- Created Disaster Recovery Plan
- Developed RH Schools Technology Standard Operating Procedures
- Updated job descriptions for Technology Department
- Created detailed job responsibilities for Technology staff
- Upgraded LAN/WAN switching and infrastructure components throughout the district
- Upgraded/added wireless access points at each location
- Upgraded our internet filter
- Moved to a hosted solution for PowerSchool
- Implemented Level Data to include basic and Active Directory connectors
- New website design
- Created RH Schools mobile app
- 1:1 Plus for student devices (BridgeTek Solutions)

## **Current Technology Inventory**

- Over 4,000 PCs
- Over 10,845 laptops (including students grades 7-12)
- Additional 1300 laptops ordered for grade 5
- Over 1,164 Promethean Boards
- Over 1,200 projectors
- Over 1000 classroom sound systems
- Physical and virtual servers in cluster environments
- Wireless access in every classroom throughout the district
- Over 10,500 iPads
- Over 1000 IP phones (including strategic instructional areas)

### **Current Technology Support Strategies**

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

### **Technology Implementation Plan**

- Rock Hill Schools has developed a detailed five-year Technology Implementation Plan. This plan outlines three major technology categories to include timelines, projected costs, and types of technologies. Please refer to this plan in Appendix 9.

# **PLANS FOR THE FIVE INDIVIDUAL TECHNOLOGY DIMENSIONS**

# TECHNOLOGY DIMENSION 1

## LEARNERS AND THEIR ENVIRONMENT

### GOAL

Rock Hill 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.



## SNAPSHOT OF CURRENT TECHNOLOGY USE

Rock Hill Schools currently has a massive plan of infusing technology into its instructional programs. This plan includes an iPad, laptop, projector, Promethean Board, and sound amplification system for every teacher. Students are currently using iPads, laptops, Promethean Boards, and other technology in an interactive fashion. Currently, over 80% of certified staff has completed a comprehensive competency assessment with a district goal of 90% by the end of the school year.

Rock Hill Schools' current technology use for learners and their environment include:

- 1:1 Mobile Computing Initiative –
  - Students in grades 5K – 6 iPads
  - Students in grades 7-12 Windows laptop
  - Students in grade 5 transitioning from iPads to Windows laptop
- Use of digital interactive textbooks
  - All grade 4 and 5 classrooms
  - Science classrooms grade 6, 7 and 8
- Internet access for all classrooms. (Bandwidth more than 1.5 Gb)
- Well-equipped computer labs in all schools.
- Wireless Access Points district-wide.
- WAN access to network instructional software via dedicated 1 Gb connections in all locations which includes:
  - Follett Destiny
  - SAT Prep Software
  - Accelerated Reader
  - Compass Learning
  - NCS Successmaker
  - Orchard
  - Virtual High School
  - Distance Learning
  - PowerSchool Premier
- PowerSchool - integrated software system designed to manage a wide array of school and student information. (hosted by Pearson)
- Canvas Learning Management System
- 1:1 Plus (BridgeTek Solutions)

## OPERATIONAL PLAN

### I. OBJECTIVES AND STRATEGIES

**GOAL:** Rock Hill 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.

OBJECTIVES	STRATEGIES
<b>1.1</b> Students will use technology to acquire and demonstrate communication, collaboration, and engagement skills that are aligned with state standards across the curriculum and will thereby increase their level of academic achievement.	A. Provide 1:1 mobile computing device to students in grades 5K through 12
	B. Conduct student projects that will yield sustained, engaged learning and collaboration in instructional content areas
	C. Recognize and promote best practices that successfully integrate technology into the curriculum
	D. Provide appropriate accommodations for students with special needs.
<b>1.2</b> Students will engage in authentic learning activities that are aligned with state standards and that integrate technology into the core content.	A. Develop technology-enhanced learning activities aligned with state standards in instructional content areas and purchase software that aligns with state standards
	B. Expand technology integration specialist program to offer guidance to schools, train teachers, and help ensure that lesson plans and activities incorporate a variety of technologies, including those appropriate for students with special needs

<b>LEARNERS AND THEIR ENVIRONMENT</b> (continued)	
<b>OBJECTIVES</b>	<b>STRATEGIES</b>
<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.	A. Create and use lesson activities in which students employ a variety of technology tools to complete authentic multidisciplinary tasks
	B. Measure student technology proficiency by using surveys and performance-based assessments
	C. Provide all students, including those with special needs, access to a range of high and low technology solutions, including software, peripherals, and other tools to increase student communication, participation, and collaboration
<b>1.4</b> District and the schools will provide students with an enhanced learning environment through technological tools which are designed to promote high academic achievement.	A. Establish school and community learning environments that enable students to use technology for real-world problem-solving and research
	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



## II. ACTION LIST

- ❑ District will coordinate access to an on-line database of technology-infused lesson plans and classroom examples across the core content areas in alignment with the state academic standards.
- ❑ District will provide access to effective 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 to support a shared learning environment that includes educators, parents, and community members.
- ❑ District will establish grade-level-appropriate technology standards and competencies based on the ISTE NETS-S.
- ❑ District will ensure increased student access to technology (shown by the SDE Technology Counts on-line survey), and increased student access to technology outside the school environment.
- ❑ District will complete initial and ongoing assessments to measure increased availability of technology opportunities and resources.
- ❑ Educators and parents will complete initial and follow-up assessments to ensure that the use of technology is effective in enhancing student learning.
- ❑ District curriculum/technology teams will identify best practices of seamless technology integration that will be disseminated via on-line district resources
- ❑ District and schools will develop methods of recognizing student technology achievement.

### III. IMPLEMENTATION ACTION STEPS

#### Rock Hill Schools (District)

- Continue Professional Development programs of study for school and district leadership.
- Continue Professional Development programs of study for all teachers.
- Focus on modeling best practices in technology integration to support Change Management leadership, Blended Learning and Challenge Based Learning.
- Continue Professional Development programs of study to include Adaptation and Appropriation levels of training where appropriate.
- Assign a technology assistant in each school to offer guidance
- Use district and school administrative staff 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
- Continue working with teachers in the classroom to create lesson plans that incorporate a variety of technologies into authentic multidisciplinary tasks
- Recognize exemplary technology teachers and students
- Hold technology fairs and instructional fairs that showcase exemplary student technology projects to the community
- Encourage home and community involvement in the public school system by electronic communications and other media

#### Rock Hill Schools (Schools)

- Increase capacity for in-school support by contracting with Challenge-Based-Learning (CBL) teachers to provide mentorship, training and lab classroom opportunities.
- Utilize media specialists to provide targeted support for students, parents and teachers regarding ethical and appropriate use.
- Implement an on-line system for displaying student work such as e-mail projects, on-line and instructional projects
- Recognize exemplary student technology projects
- Hold "technology nights" that showcase exemplary student technology projects and technology teachers to the community
- Provide access to technology resources during nontraditional school hours
- Include goals and strategies for technology in school improvement plans
- Encourage home and community involvement in the public school system through the use of electronic communications

## IV. FUNDING CONSIDERATIONS

### Rock Hill Schools (District)

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

### Rock Hill Schools (Schools)

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

**\* Refer to *appendix 6* for a detailed budget allocation**

**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. 2017		JAN. 2018	JAN. 2019
<b>1.1</b> Students will use technology to acquire and demonstrate communication, collaboration, and engagement skills that are aligned with state standards across the curriculum and will thereby increase their level of academic achievement.	<ul style="list-style-type: none"> <li>Statewide achievement test scores</li> <li>District report cards</li> <li>Technology surveys</li> </ul>	<ul style="list-style-type: none"> <li>Statewide achievement test scores</li> <li>District report cards</li> <li>Technology surveys</li> <li>Observations and interviews</li> </ul>				
<b>1.2</b> Students will engage in authentic learning activities that are aligned with state standards and that integrate technology into the core content.	<ul style="list-style-type: none"> <li>School technology and improvement plans</li> <li>District, school, and community surveys</li> </ul>	<ul style="list-style-type: none"> <li>Anecdotal records</li> <li>Documented access to on-line resources</li> <li>Listing of recognition programs</li> </ul>				
<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.						
<b>1.4</b> The SDE, the school district, and the schools will provide students with an extended learning environment through technological tools that are designed to promote high academic achievement.						

## **TECHNOLOGY DIMENSION 2**

### **PROFESSIONAL CAPACITY**



#### **GOAL**

Rock Hill Schools will provide professional development opportunities for all staff in an effort to increase the technology competencies of district employees. The effective integration of instructional technologies in the design of engaging work for students will be the focus of all professional development activities designed for certified staff.

#### **SNAPSHOT OF CURRENT TECHNOLOGY USE**

Rock Hill Schools has a variety of professional development opportunities for certified and non-certified staff, including online and offline tutorials, workshops, and recertification/graduate-level coursework.

Recertification and graduate-level courses focus on the development of increasingly challenging technology skill sets and the subsequent integration of these skill sets in the design of engaging work for students.

Non-certified staff are invited and encouraged to participate in all workshops and course offerings.

Rock Hill Schools has developed four professional development pathways in support of technology: Leadership, All Teachers, Challenge Based Learning Cohorts and Media Specialists.

## OPERATIONAL PLAN

### I. OBJECTIVES AND STRATEGIES

**GOAL:** Rock Hill Schools will provide professional development opportunities for all staff in an effort to increase the technology competencies of district employees. The effective integration of instructional technologies in the design of engaging work for students will be the focus of all professional development activities designed for certified staff.

OBJECTIVES	STRATEGIES
<b>2.1</b> District will require educators to obtain proficiency in nationally recommended instructional technology standards (ISTE NETS-A, ISTE NETS-S, and ISTE NETS-T) that encourage and support the design of engaging work for students.	A. Provide teachers, administrators, and certified staff with a variety of assessment tools to identify technology proficiencies and areas of needed growth.
	B. Require teachers to demonstrate technology proficiency in selected technology dimensions (see proficiency assessment) and demonstrate use of these technology dimensions in the design of engaging work for students.
	C. Require district and school administrators to demonstrate technology proficiencies based upon the state recommended standards for administrators (ISTE NETS-A)
<b>2.2</b> District will collaborate across schools and departments in planning and implementing technology related professional development opportunities.	A. Leadership activities and trainings to empower district and school leaders in leading the digital conversion.
	B. All teacher activities and trainings offered in a variety of venues (school-based and district-wide) and formats (face-to-face and online), include opportunities for remediation and differentiation.
	C. Challenge Based Learning cohort at elementary, middle and high school levels offered extensive professional development. Focus on Adaptation. Appropriation and

	D. Media Specialists are technology integration facilitators and trainers. Training in the Entry, Adoption, Adaptation and Appropriation skill sets. Integration partners through the support and design of technology enhanced lessons.
	E. Design and implement professional development opportunities designed and facilitated by certified and non-certified staff across the district.
<b>2.3</b> District will provide schools with information and training in technology integration so that teachers can use research-based best-practice instructional methods throughout the curriculum.	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 learning needs and styles of staff.
	B. Promote and encourage staff participation in technology related professional development via the districts online professional development catalog, PD Planner.
	C. Increase the availability of technology professional development opportunities to teachers via: <ul style="list-style-type: none"> <li>a. access to laptop computers and presentation devices</li> <li>b. access to online training opportunities, including workshops and courses via the district's online learning platform (Moodle) and MyLearningPlan, the leading PDMES (Professional Development Management and Evaluation System)</li> <li>c. access to state-of-the art training centers (Professional Development Center).</li> </ul>
	D. Develop a network of school-based professional development providers who have the skills and experience necessary to assist teachers in effective technology use (Model technology leaders,

District will assess the overall effectiveness of professional development in the area of instructional technology standards and the impact of technology on student achievement.	A. Establish minimum levels of teacher and administrator technology proficiency.
	B. Incorporate instructional technology dimensions into current teacher evaluation processes.
	C. Implement electronic course evaluations via PD Planner to determine the effectiveness and impact of the professional development offered to teachers and administrators.
	D. Encourage departments, schools, and teachers to create and utilize repositories of model teacher and student work.
	E. Monitor participation, completion, and effectiveness of instructional technology professional development via the district's online professional development database, PD Planner.
	F. Quarterly assessments for formative purposes and yearly summative assessments to measure overall impact.



## II. ACTION LIST

- The Professional Development Subcommittee will review technology proficiency assessments every five years. This will ensure all teachers and administrators are measured by similar technology proficiency standards per proviso cycle.
- The Professional Development Subcommittee will introduce new administrator technology standards to principals (ISTE-A) and design staff development activities to support understanding of the standards.
- District will design staff development opportunities for teachers and administrators that have natural connections to district instructional initiatives such as UbD, Curriculum Mapping, etc.
- A district-wide team of principals and teachers will design sample evaluations for administrators to utilize in assessing instructional technology use during classroom observations.
- District will provide increased access to technology related professional development via online resources and coursework.
- District will provide teachers with tools and resources to share lessons and activities utilizing instructional technologies that best support instructional initiatives.
- District will continue to identify and train school based instructional technology leaders. These leaders will facilitate technology related staff development opportunities throughout schools and the district.
- District will evaluate the quantity and quality of technology related professional development opportunities via the district's staff development database, PD Planner.

### III. IMPLEMENTATION ACTION STEPS

#### **Rock Hill Schools (District)**

- Submit a technology plan, including a professional development plan, to the Office of Technology for approval
- Provide ongoing, sustained professional development offerings
- Submit teacher technology proficiency assurance forms to the Office of Technology by the announced deadline
- Evaluate and adjust technology professional development plans as indicated by needs assessments

#### **Rock Hill Schools (Schools)**

- Submit a technology budget or plan to the district office, following guidelines outlined by the Executive Director of Technology.
- Review needs assessments for their schools via reporting from the district proficiency assessments
- Monitor and adjust professional development in technology as indicated by needs assessments
- Showcase of Challenge Based Learning work.
- Documentation of training and support provided at school level.

## IV. FUNDING CONSIDERATIONS

### Rock Hill Schools (District)

- Development and delivery of technology proficiency assessments for teachers and administrators
- Development and delivery of technology related professional development based upon proficiency needs
- Continued development and deployment of online resources to address technology skills sets and integration
- Identification and training of school based technology leaders.
- Tracking and evaluation tools to identify and measure the impact of technology related professional development

### Rock Hill Schools (Schools)

- Committee development of school technology budgets or plans
- Identification and training of school based technology leaders, etc.

**\* Refer to *appendix 6* for a detailed budget allocation**

## 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. 2017		JAN. 2018		JAN. 2019
I. District will require educators to obtain proficiency in nationally recommended instructional technology standards (ISTE NETS-A, ISTE NETS-S, and ISTE NETS-T) that encourage and support the design of engaging work for students.	<ul style="list-style-type: none"> <li>Achievement Test Scores</li> <li>District Report Cards</li> <li>Technology Proficiency Reports</li> <li>PD Planner Reports on Technology Related Professional Development</li> </ul>	<ul style="list-style-type: none"> <li>Achievement Test Scores</li> <li>MAP Scores</li> <li>Benchmark and Common Assessments</li> <li>District Report Cards</li> <li>Technology Proficiency Reports</li> <li>PD Planner Reports on Technology Related Professional Development</li> <li>Professional Development Evaluations via PD Planner</li> </ul>					
II. District will collaborate across schools and departments in planning and implementing technology related professional development opportunities.	<ul style="list-style-type: none"> <li>Professional Development Evaluations via PD Planner</li> <li>Atomic Learning Reports</li> <li>School technology plans</li> </ul>	<ul style="list-style-type: none"> <li>Atomic Learning Reports</li> <li>Networked databases and repositories of units, lessons, and activities</li> </ul>					
III. District will provide schools with information and training in technology integration so that teachers can use research-based best-practice instructional methods throughout the curriculum.							
IV. District will assess the overall effectiveness of professional development in the area of instructional technology standards and the impact of technology on student achievement.							

## TECHNOLOGY DIMENSION 3



### INSTRUCTIONAL CAPACITY

#### GOAL

Rock Hill Schools will use current and emerging technology to create learner-centered instructional environments that enhance academic achievement.

### SNAPSHOT OF CURRENT TECHNOLOGY USE

Rock Hill Schools' current instructional capacity includes:

- Internet access for all classrooms
- Wireless environment
- Cisco Routers and 100/1000 MB Switches at all schools
- Well-equipped computer labs at all schools with network printers
- WAN access to network instructional software via 100 Mb connections at all schools which includes:
  - Follett Destiny
  - SAT Prep Software
  - Accelerated Reader
  - SAS – data repository and information portal
  - Orchard – Middle and High schools
  - Successmaker - Elementary
  - Virtual High School
  - Project Lead the Way
- Customized Portal - (via the Internet) for student and parent access to student records (i.e. Grades, Transcripts, Attendance, Discipline, etc.)
- Server access for each school
- Instructional environments such as classrooms, labs, and media centers are equipped with microphones and surround sound for audio enhancement.
- Students with 1:1 Mobile Device Access

## OPERATIONAL PLAN

### I. OBJECTIVES AND STRATEGIES

**GOAL:** Rock Hill Schools will use current and emerging technology to create learner-centered instructional environments that enhance academic achievement.

OBJECTIVES	STRATEGIES
<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 increased achievement by all students, including those with special needs.	A. Ensure that curricular design, instructional strategies, and learning environments integrate appropriate technologies to significantly impact teaching and learning
	B. Facilitate the use of technologies to support and enhance instructional methods (including the use of hardware and software that develop higher-level thinking, decision-making, and problem-solving skills
<b>3.2</b> District and schools will provide teachers with the technology resources necessary to increase academic achievement by engaging students in active learning.	A. 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
<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 and schedule.	A. 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
<b>3.4</b> District will provide and support a variety of multimedia equipment and software for teaching and learning.	A. Communicate via the district technology plan a vision for multimedia infrastructure designed to support instruction
	B. Establish a system for identifying, specifying, prioritizing, and managing equipment for multimedia development in direct support of curricular and professional development objectives

## 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 pursue funding opportunities such as grants to provide funds to acquire and maintain hardware and software 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 showcased.

### III. IMPLEMENTATION ACTION STEPS

#### Rock Hill Schools (District)

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

#### Rock Hill Schools (Schools)

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



## IV. FUNDING CONSIDERATIONS

### Rock Hill Schools (District)

- 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
- Distance learning/on-line learning
- Eighth-grade proficiency measurement
- School technology integration specialist implementation
- Professional development

### Rock Hill Schools (Schools)

- Committee development of district and school technology plans
- School technology integration specialist implementation
- 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

**\* Refer to *appendix 6* for a detailed budget allocation**

## 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. 2017		JAN. 2018	JAN. 2019
<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 increased achievement by all students, including those with special needs.	<ul style="list-style-type: none"> <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>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>				
<b>3.2</b> District and schools will provide teachers with the technology resources necessary to increase academic achievement by engaging students in active learning.	<ul style="list-style-type: none"> <li>Teacher technology proficiency proviso forms</li> <li>School technology and improvement plans</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> </ul>				
<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 and schedule.	<ul style="list-style-type: none"> <li>Technology assessments</li> <li>Documentation of offerings provided via innovative delivery methods</li> </ul>	<ul style="list-style-type: none"> <li>Technology assessments</li> <li>Documentation of offerings provided via innovative delivery methods</li> </ul>				
<b>3.4</b> District will provide and support a variety of multimedia equipment and software for teaching and learning.						

## TECHNOLOGY DIMENSION 4



### COMMUNITY CONNECTIONS

#### GOAL

Rock Hill Schools will strive to increase student achievement through the use of technology, including assistive technology, by maximizing community involvement and community partnerships.

#### SNAPSHOT OF CURRENT TECHNOLOGY USE

Currently, Rock Hill Schools maximizes community involvement and community partnerships in the area of technology by:

- Customized Portal - This software allows teachers and other staff to post/share information as well as allows parent and student access to student records via the Internet. This is a secure link that uses a high level of security.
- Media Center Access
  - Several school media centers are open to students and the general public after hours for homework and for other needs.
- Flex Learning Center Training Lab
  - Many community and business organizations use Professional Development Center and Cyber Café.
- Web-based product designed to provide high school and middle school coursework on-line.
- Virtual on-line high school program for out-of-school coursework opportunities.
- ParentLink automated phone message service provides instantaneous communication to parents, students, and the community.
- Video Conferencing provided by a partnership with a local communications corporation.
- Rock Hill Schools mobile App deployment and social media presence.

## OPERATIONAL PLAN

### I. OBJECTIVES AND STRATEGIES

**GOAL:** Rock Hill Schools will strive to increase student achievement through the use of technology, including assistive technology, by maximizing community involvement and community partnerships.

OBJECTIVES	STRATEGIES
<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.)	A. Form district-community partnerships to provide students with real-world experiences in the use of technology
	B. Provide recognition/reward programs and/or incentives for partnerships showing impact
	C. Write community-collaborative technology grants to develop and fund the use of technology to improve teaching and learning
	D. Form district-community partnerships to facilitate the use of technology in the public schools and to improve outcomes for students transitioning from school to work or higher education
<b>4.2</b> District will fully utilize all available resources by fostering collaboration and cooperation among state- supported organizations, institutions, and initiatives.	A. Identify all of the organizations, institutions, and initiatives that are currently focused on instructional technology applications
	B. Partner with other school districts, as well as community entities, to collaborate in order to provide assistive technology demonstration and assessment for students with special needs

<p><b>4.3</b> District will provide after-hours training and community access to labs, media centers, and classrooms.</p>	<p>A. Create and publish flexible schedules of after- hours technology access and training for students, parents, teachers, and community members</p>
<p><b>4.4</b> District will ensure that all its buildings are linked by the Internet to the State Library's DISCUS databases and to the Web sites of universities, museums, and other institutions to facilitate virtual communication between home, school, and community.</p>	<p>A. Host an electronic list through the district and school websites</p>

## II. ACTION LIST

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

### III. IMPLEMENTATION ACTION STEPS

#### Rock Hill Schools (District)

- 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
- 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

#### Rock Hill Schools (Schools)

- Submit a technology plan to the local district office
- Distribute parent and community information
- Develop, implement, and publicize flexible lab, media center, and classroom hours, including opportunities for community
- 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

### Rock Hill Schools (District)

- 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

### Rock Hill Schools (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

**\* Refer to *appendix 6* for a detailed budget allocation**



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. 2017		JAN. 2018	JAN. 2019
<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.)	<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> </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> </ul>				
<b>4.2</b> District will fully utilize all available resources by fostering collaboration and cooperation among state-supported organizations, institutions, and initiatives.	<ul style="list-style-type: none"> <li>School technology plans</li> <li>Documentation of offerings provided via innovative delivery methods</li> </ul>	<ul style="list-style-type: none"> <li>Observations and interviews</li> <li>District and school Website information</li> <li>Documentation of offerings provided via innovative delivery methods</li> </ul>				
<b>4.3</b> District will provide after-hours training and community access to labs, media centers, and classrooms.		<ul style="list-style-type: none"> <li>Districts and school list of grants and community partnerships</li> </ul>				
<b>4.4</b> District will ensure that all its buildings are linked by LAN, WAN, and/or the Internet to the State Library's DISCUS databases and to the Websites of universities, museums, and other institutions to facilitate virtual communication between home, school, and community.						

## **TECHNOLOGY DIMENSION 5**

### **SUPPORT CAPACITY**



#### **GOAL**

Rock Hill Schools will expand and support technology resources to assist educators and learners in meeting state academic standards.

### **SNAPSHOT OF CURRENT TECHNOLOGY USE**

Currently, Rock Hill Schools is working to expand and support its technology in an effort to assist educators and learners in meeting state academic standards. Rock Hill Schools prides itself on a well-developed network infrastructure. With over 80% of teachers meeting rigorous competency standards, the district is having a difficult time meeting demand for new instructional equipment, refreshing older equipment and providing an on-time delivery of training.

## OPERATIONAL PLAN

### I. OBJECTIVES AND STRATEGIES

**GOAL:** Rock Hill Schools will expand and support technology resources to assist educators and learners in meeting state academic standards.

OBJECTIVES	STRATEGIES
<b>5.1</b> District will ensure that all students, including those with special needs, and teachers have access to electronic information resources.	A. Maintain a technology inventory that includes the status of current network/Internet access, workstations and other devices available for access, software applications available for addressing state academic standards, peripherals, and other factors related to universal access to network resources
	B. Conduct needs assessments (1) to identify required network components, workstations, and other devices needed for network access, including assistive technology devices, and (2) to identify and evaluate software applications required to meet academic needs as well as peripherals and other resources required to create universal access to network resources
	C. Create a district strategic plan for acquiring and implementing the technology and continuing with the Mobile Device initiative, including assistive technology, that is required to provide universal access to network resources
	D. Develop the district strategic plan with input from all segments of the school community— students, teachers, therapists, administrators, parents, community members, community agencies, and local businesses—and include in the plan a mechanism for review and evaluation of the plan

	E. Seek school and district funding from available local, state, and federal sources, including E-rate, grants, and bonds
<b>5.2</b> District will ensure that its 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.	A. Communicate in the district technology plan a vision for multimedia infrastructure designed to support instruction
	B. Establish a system for identifying, specifying, prioritizing, and managing equipment for multimedia development in direct support of curricular and professional development objectives
	C. Ensure the installation, maintenance, and support of multimedia-capable teacher stations in classrooms including projectors to support large-group instruction
	D. Research and implement an integrated network infrastructure capable of utilizing all distribution modules
	E. Use bundled distribution packages as a primary means of distribution to manage fully converged networks
	F. Install and maintain networks, virus protection, and Internet filtering according to industry standards by implementing systemic, state-of-the-art network security tools at all levels of access to LANs, WANs, and other networks
	G. Assess LAN/WAN technology currently implemented
	H. Implement a district network management tool that performs automated software installation
<b>5.3</b> The school district will have qualified technical staff.	A. Continue to assess district minimum staffing requirements and job descriptions for the positions of networking engineer, networking technician, educational technology director, and support technician
	B. Provide district-level network support

<p><b>5.4</b> District will assess the 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 up-to-date 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 its 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 as well as assistive technology.
- District will publish a procedure for the perpetual review of equipment used in multimedia development processes. Reviews should quantify equipment and processes by their impact on teaching and learning.
- District will maintain a strategic plan for acquiring and implementing technology 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 emergency procedures will include a disaster recovery plan.
- District technology plans should include an obsolescence and upgrade plan, including strategies to refurbish, resell, recycle, or donate obsolete devices.
- District policies outlined in district technology plans should include security accountability, virus protection, and Internet filtering guidelines.
- District technology plans should provide for outlets and amperage and for meeting industry standards and building codes.
- District will use professional discussion groups to share the results of their research about the implementation of integrated network infrastructures and bundled distribution practices.
- District will use the SDE Technology Counts on-line survey to report on its 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 have a network manager.
- District staff, teachers, and students will be aware of basic Web accessibility guidelines when designing Web pages.
- District will designate a Web accessibility resource person to coordinate training and information sharing among district personnel.

### III. IMPLEMENTATION ACTION STEPS

#### Rock Hill Schools (District)

- 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, including assistive technology
- Implement the district disaster recovery plan and an obsolescence and upgrade plan
- Seek funding from local, state, and federal sources
- Encourage and publicize flexible access schedules
- Create a vision for a multimedia infrastructure
- Encourage schools to provide multimedia-capable workstations
- Research and implement an integrated network infrastructure
- Use bundled distribution packages to manage fully converged networks
- Install and maintain secure networks
- Employ staff for adequate network maintenance and support
- Implement a district management application that monitors bandwidth on the LAN and WAN
- Ensure that schools have adequate electrical distribution systems
- Provide schools with the necessary guidance and training in creating Web pages to ensure that electronic information is accessible to students and teachers with special needs

#### Rock Hill Schools (Schools)

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

## IV. FUNDING CONSIDERATIONS

### Rock Hill Schools (District)

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

### Rock Hill Schools (Schools)

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

**\* Refer to *appendix 6* for a detailed budget allocation**



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. 2017		JAN. 2018	JAN. 2019
<b>5.1</b> District will ensure that all students, including those with special needs, and teachers have access to electronic information resources.	<ul style="list-style-type: none"> <li>Statewide achievement test scores</li> <li>District report cards</li> </ul>	<ul style="list-style-type: none"> <li>Statewide achievement test scores</li> <li>District report cards</li> </ul>				
<b>5.2</b> District will ensure that their schools have an integrated, secure network infrastructure with dynamic bandwidth capacity to support fully converged networks that allow for communication, data collection and distribution, and distance learning.	<ul style="list-style-type: none"> <li>Professional development tracking and surveys</li> <li>District, school, and community surveys</li> <li>School technology and improvement plans</li> </ul>	<ul style="list-style-type: none"> <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> </ul>				
<b>5.3</b> District will have qualified technical staff	<ul style="list-style-type: none"> <li>School technology and improvement plans</li> <li>Documented access to technology resources</li> <li>Technology needs assessments</li> </ul>	<ul style="list-style-type: none"> <li>School technology and improvement plans</li> <li>Documented access to technology resources</li> <li>Technology needs assessments</li> </ul>				
<b>5.4</b> District will implement the disaster recovery plan for all points of failure in LANs and WANs, including redundant data storage, robust automated backup, and immediate hardware recovery.	<ul style="list-style-type: none"> <li>SDE Technology Counts on-line survey</li> <li>Budget data</li> </ul>	<ul style="list-style-type: none"> <li>SDE Technology Counts on-line survey</li> <li>Budget data</li> </ul>				
<b>5.5</b> District will implement an obsolescence and upgrade plan to replace and recycle equipment and software.	<ul style="list-style-type: none"> <li>State personnel reports</li> </ul>	<ul style="list-style-type: none"> <li>State personnel reports</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. 2017		JAN. 2018		JAN. 2019
<b>5.6</b> District will increase its 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.							

# **CUMULATIVE TARGETS AND BENCHMARKS**

**Note: The following targets and benchmarks will be monitored and adjusted annually for each of the years within the technology plan.**

**2017 - 2019**

## **Learners and Their Environment**

- Sixty percent of Rock Hill Schools' students will have created a technology document through the use of a variety of technology tools to complete authentic tasks.
- Sixty percent of Rock Hill Schools' students will possess effective communication skills and technology literacy as evidenced by teacher and student technology presentation.

## **Professional Capacity**

- Ninety percent of Rock Hill Schools' teachers will possess technology proficiency as evidenced by teacher technology proficiency assurance forms.
- One hundred percent of Rock Hill's public schools will have a technology integration specialist who trains teachers and visits classrooms to help teachers integrate technology into the curriculum.

## **Instructional Capacity**

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

## **Community Connections**

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

## **Support Capacity**

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

## **Acknowledgements**

*All groups listed below contributed either directly or indirectly in the development of the district's technology plan. Listings of the following groups are on file at Rock Hill Schools.*

**Rock Hill Schools' Board of Trustees**

**All students of Rock Hill Schools**

**All employees of Rock Hill Schools**

**All members of the district Technology Committee**

**All instructional technology coaches**

**All community partners of Rock Hill Schools**

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ISTE. *ISTE's National Educational Technology Standards (NETS)*. Available on-line at <http://www.iste.org/>

York County Government. *Serving Our Citizens Through Technology*. Available on-line at <http://www.yorkcountygov.com/>

## Required Appendixes

### Appendix 1:



# Every Student Succeeds Act (ESSA)

- Challenging Academic Standards and Academic Assessments
- Accountability, Support, and Improvement for Schools
- Supporting Excellent Educators
- Supporting All Students
- Specific information for formula grant programs including Title I, II, III, IV, and V

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Molly Spearman - State Superintendent of Education

### Appendix 2: Teacher Technology Proficiency Proviso Professional Development Plan

The Rock Hill Schools Teacher Technology Proficiency Plan can be found on the district's website at the following URL: <http://www.rock-hill.k12.sc.us/Page/4928>

### Appendix 3: Acceptable Use Policy

The Rock Hill Schools Acceptable Use Policy can be found at the following URL:  
[http://policy.microscribepub.com/cgi-bin/om\\_isapi.dll?clientID=2744332897&depth=2&infobase=york3\\_rock\\_hill.nfo&softpage=PL\\_frame](http://policy.microscribepub.com/cgi-bin/om_isapi.dll?clientID=2744332897&depth=2&infobase=york3_rock_hill.nfo&softpage=PL_frame)  
Please reference the section G-Personnel/Policy GBEBD Acceptable Use of Technology.

#### Appendix 4: How E-Rate Areas Have Been Addressed

The plan for addressing E-Rate areas is included in previous sections and appendixes of this document. In addition to these sections, Rock Hill Schools provides funding for non-E-rate items through an annual technology bond.

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

Please refer to the district's previous technology plan, which includes goals, objectives, and status updates at the following URL:

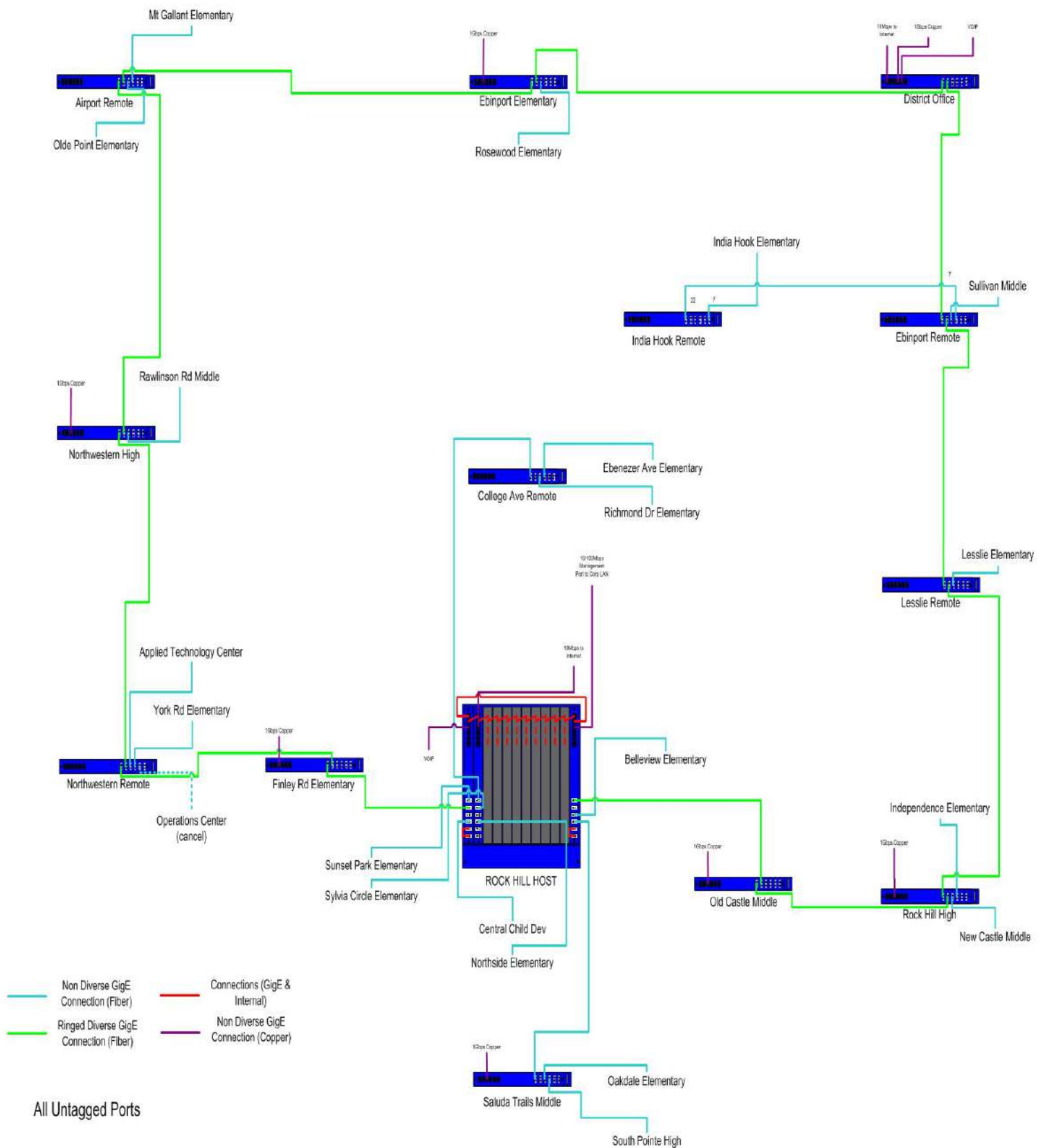
<http://rock.schoolwires.net/cms/lib011/SC01000464/Centricity/Domain/302/York3TechPlan.pdf>

#### Appendix 6: Detail Budget Sheet to cover all associated costs

**100 General Fund – covers costs of hardware, software, systems, professional development, and a variety of other services. Includes both ongoing and new budget expenses**

266 Data Processing Services	Budgeted	Original Budget
100-266-0332-000-087 Travel/Conference - Technology	11,500.00	11,500.00
100-266-0340-000-087 Communication	8,500.00	8,500.00
100-266-0345-001-087 Technology Services	400,000.00	400,000.00
100-266-0345-101-087 Technology Services	22,500.00	22,500.00
100-266-0345-102-087 Technology Services - License	250,000.00	250,000.00
100-266-0345-103-087 Technology Services	23,500.00	23,500.00
100-266-0345-777-087 Repairs/Maintenance Technology	779,841.00	780,000.00
100-266-0360-000-087 Printing - Technology Services	600.00	600.00
100-266-0395-000-087 Professional/Technical Services	9,000.00	9,000.00
100-266-0410-000-087 Supplies	3,000.00	3,000.00
100-266-0445-000-087 Technology Supplies	82,917.00	82,917.00
100-266-0445-103-087 Technology Supplies	64,500.00	64,500.00
100-266-0445-777-087 Technology Supplies	0.00	0.00
100-266-0545-000-087 Capital Equipment - Technology	0.00	0.00
100-266-0545-001-087 Technology Equipment	0.00	0.00
100-266-0640-000-087 Dues and Fees	0.00	0.00
Original Budget Amount		1,655,858.00
Adjusted Budget Amount		1,656,017.00

## Appendix 7: Network Diagram





## Appendix 8: Profile of a South Carolina Graduate

### PROFILE OF THE South Carolina Graduate

#### LIFE AND CAREER CHARACTERISTICS

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Integrity  
Self-direction  
Global perspective  
Perseverance  
Work ethic  
Interpersonal skills



#### WORLD-CLASS SKILLS

---

Creativity and innovation  
Critical thinking and  
problem solving  
Collaboration and teamwork  
Communication, information,  
media and technology  
Knowing how to learn

---

#### WORLD-CLASS KNOWLEDGE

---

Rigorous standards in language arts  
and math for career and college  
readiness

Multiple languages, science, technology,  
engineering, mathematics (STEM), arts and  
social sciences

## ROCK HILL SCHOOLS

[illegible]

Technology System / Component	2015-16			2016-17			2017-18			2018-19			2019-20			2020-2021		
	QTY	Unit Price	Total Cost	QTY	Unit Price	Total Cost	QTY	Unit Price	Total Cost	QTY	Unit Price	Total Cost	QTY	Unit Price	Total Cost	QTY	Unit Price	Total Cost
<b>II. INSTRUCTION/CLASSROOM SUPPORT TECHNOLOGY:</b>																		
<b>A. Replace Upgrade Interactive Boards with Active Panels</b> Replace all interactive boards over 5 years or keep spares	130	\$4,500	\$585,000	130	\$4,500	\$585,000	130	\$4,500	\$585,000	130	\$4,500	\$585,000	130	\$4,500	\$585,000	0	\$0	\$0
<b>B. Replace / Upgrade sound systems</b> (30% of all units per year)	260	\$1,000	\$260,000	260	\$1,000	\$260,000	260	\$1,000	\$260,000	260	\$1,000	\$260,000	260	\$1,000	\$260,000	0	\$0	\$0
<b>Subtotal Instruction/Classroom Support:</b>			<b>\$845,000</b>			<b>\$845,000</b>			<b>\$845,000</b>			<b>\$845,000</b>			<b>\$845,000</b>			<b>\$0</b>
<b>III. IT NETWORK</b>																		
<b>A. Server and Storage Upgrades</b> Replace all server and storage equipment over 5 years or keep spares			\$50,000			\$50,000			\$125,000			\$125,000			\$50,000			\$125,000
<b>B. Wireless Access Points Upgrade</b> Show, completion of Elementary Schools with AC grade units.			\$950,000			\$950,000									\$950,000			
<b>C. Switching Upgrades</b> Includes internet filter, firewall, wireless controller, and other network components. Middle schools head and switch. Equip all schools with 2000's value approach end of life.			\$100,000			\$100,000			\$100,000			\$100,000			\$100,000			\$100,000
<b>D. Cabling Upgrades</b> Terminates single mode and run CAT 6 drops 5 years or 7-year program to complete re-wiring of all sites. Above for 10-30 (density between closets to main 10-50 VMI).			\$250,000			\$250,000			\$250,000			\$250,000			\$250,000			\$50,000
<b>E. Spare Equipment:</b>			\$125,000			\$125,000			\$125,000			\$125,000			\$125,000			\$400,000
<b>F. Network Printing System Replacement</b> Replace older printers and move toward centralized printing.			\$25,000			\$25,000			\$25,000			\$25,000			\$25,000			\$10,000
<b>Subtotal IT Network:</b>			<b>\$900,000</b>			<b>\$900,000</b>			<b>\$625,000</b>			<b>\$625,000</b>			<b>\$625,000</b>			<b>\$1,185,000</b>
<b>Column Totals</b>			<b>\$5,600,000</b>			<b>\$5,500,000</b>			<b>\$4,955,000</b>			<b>\$1,435,000</b>			<b>\$3,600,000</b>			<b>\$4,756,250</b>
															<b>Section II Subtotal</b>	<b>\$3,600,000</b>	<b>Section III Subtotal</b>	<b>\$1,156,250</b>
															<b>Grand Total</b>	<b>\$2,948,500</b>	<b>Grand Total</b>	<b>\$25,106,750</b>
															Continues with Student laptop refresh and wireless refresh throughout the district. Continue evaluating need for CAT cabling. Continue evaluating need for CTO cabling. Continue evaluating need for classroom component needs. Evaluate interactive MacBooks. Replace remaining teacher classroom needs.			



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