

# Master Technology Plan

Effective July 1, 2015 through June 30, 2018



Charleston, South Carolina  
<http://www.ccsdschools.com>

Prepared by John McCarron  
Chief Information Officer

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## District Profile

**Schools:**

80 (2014 State Report Card, less Charters)

**Student Enrollment:**

48,278 (May 2014-2015 School Year)

**Students Eligible for Free and Reduced Lunch:**

50% (May 2015)

**English as a Second Language (ESL) Students:**

3,781 (May 2015)

**Student Dropout Count:**

419 (2013-2014, grades 7-12)

**Four-year Cohort Graduation Rate:**

80.3% (2014 State Report Card)

**District E-rate Discount:**

60% (2015 Forms 471)

## Executive Summary

The administration of the Charleston County School District (CCSD) recognizes that “Victory is in the Classroom” and uses technology as a key component of the data-driven decisions that make excellence our standard. Since the first Master Technology Plan written in 1998, the plan has had periodic reviews by key district stakeholders to ensure that the plan aligns with CCSD’s strategic plan and supports the adopted curriculum.

The CCSD Master Technology Plan 2015 -2018 employs the five technology dimensions previously defined by the South Carolina Department of Education to enhance equity, student achievement, efficient and effective operations, and culture change. The four dimensions and goals for each are:

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

CCSD will use data and 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 the district.

### **Technology Dimension 2: Professional Capacity**

CCSD will provide professional development to increase the competency of all CCSD educators so that research-proven strategies and the effective integration of instructional technology systems can be used to increase student achievement.

### **Technology Dimension 3: Instructional Capacity**

Educators in CCSD will use technology tools to prepare students for college and career, and improve student outcomes by fostering the 21st century skills of communication, collaboration, critical thinking and creativity.

**Technology Dimension 4: Community Connections**

CCSD will raise student achievement by using technology to enhance internal communications and to better inform, engage and involve parent, community, business and faith-based groups around the key priorities of the *Charleston Achieving Excellence (CAE): Vision 2016*.

**Technology Dimension 5: Support Capacity**

Improve student achievement through effective use of Instructional Technology and academic administrative systems, and to improve operational efficiency of the district through application of business systems. Centralizing technology management and promoting classroom modernization will be key components of the Support Capacity for technology at CCSD.

This document includes the objectives, strategies, and action steps needed to achieve each of the established goals.

We wish to thank the dedicated district staff that coordinated the development of this plan:

- Elizabeth Lovett, Educational Technology
- Emily Elliott, Educational Technology
- Erica Taylor, Strategy and Communication
- John Lowe, Information Technology
- John McCarron, Information Technology
- Kristen Brittingham, Race to the Top – District Grant
- Lainie Berry, Educational Technology
- Timothy Tanner, Educational Technology

## District Focus

### OUR MISSION

The mission of the Charleston County School District (CCSD), a dynamic system of challenging educational choices, is to increase student achievement overall and close achievement gaps in order to prepare all students to compete in a global economy and make a positive contribution to our community and nation.

### OUR VISION

Every child will graduate from CCSD with the critical skills and knowledge necessary to succeed in college and the 21<sup>st</sup> Century global workforce.

### OUR VALUES

- **Results:** We will prioritize student achievement outcomes in everything we do, and align every strategy and action with a measurable goal.
- **Access:** All students—held to the highest expectations imaginable—will be provided with excellent instruction, enrichment opportunities, and challenging courses. Parents will be empowered with a full portfolio of great school choices.
- **Partnership:** Student success relies on partnerships between schools, families, and communities. We will encourage transparency, collaboration and feedback, and strengthen partnerships with every person, agency, and organization invested in our students.
- **Diversity:** We see diversity as a strength and an asset. By our actions, words and deeds, we will promote diversity and ensure that our students are prepared for the diverse, competitive world they will inherit.

### OUR GOALS

- 1) Close the achievement gap.
- 2) Elevate achievement overall.
- 3) Raise the graduation rate.

## Technology Vision

The vision of the Board of Trustees (Board) and Superintendent for technology in our schools is to see technology prudently applied to teaching and learning with equity, understanding, and informed growth. Our focus is using technology to implement and maintain the *Charleston Achieving Excellence: Vision 2016* which drives all that we do in CCSD. The specifics of how to implement our vision are articulated in updates throughout this plan and are based on emerging technologies and improved understanding of the benefits of technology to instruction.

**CCSD believes that technology is a fundamental element of preparing students for college and workforce readiness in the 21st Century. We will create a technology-rich environment that is collaborative and supports creativity, innovation, and lifelong learning by:**

- Identifying and utilizing existing, and emerging technologies to transform teaching and learning and enhance student achievement.
- Ensuring equitable access to technology for all students and teachers.
- Providing ongoing professional development on the use of the technologies we implement.
- Integrating technology into the curriculum to improve instruction, engage students, and make learning more interactive.
- Educating students on the safe and ethical use of technology
- Capitalizing on opportunities to reduce costs while improving educational outcomes.
- Changing our culture to make technology the primary enabler for how work gets done.

## TECHNOLOGY DIMENSION 1

### Learners and Their Environment

#### GOALS:

- Enable students to learn in relevant and real-world contexts
- Create environments that support the teaching and learning of 21<sup>st</sup> Century skills

#### A. SNAPSHOT OF CURRENT TECHNOLOGY USE IN CCSD

Technology plays a significant role in CCSD's pursuit to ensure that every child receives a high quality education and is prepared for the 21<sup>st</sup> Century workforce.

CCSD educators, parents, partners, and community members have made significant progress in realizing the vision that the seamless integration of technology into all subject areas will raise the academic achievement of all students.

- CCSD has adopted the standards developed by the International Society for Technology in Education's (ISTE) National Educational Technology Standards for Teachers (NETS-T) and National Educational Technology Standards for Students (NETS-S) <http://www.iste.org/inhouse/nets/cnets/index.html>
- CCSD has implemented an instructional model that integrates technology as a tool to help teachers and administrators work together to coordinate a standards-based educational program within and across all grade levels and content areas.
- Parental involvement and partnerships are encouraged through district and school web pages and resources to provide information about school events, classroom activities, homework help, and course content.
- All teachers have the following items in their classrooms as part of the CCSD Classroom Modernization Project: Dell laptop, iSeries SMART Interactive Whiteboard, SMART Document Camera, V-Brick Video Distribution System, and Lightspeed Classroom Sound System.
- All teachers have a portable device (iPad or Chromebook).
- 31 schools have one to one iPads in all classrooms
- 49 schools have one to one technology in two or more classrooms through a Digital Learning Cohort program.

- Every student has access to communication tools that allow them to collaborate with classmates and teachers (Google Apps for Education, Google Classroom, and Edmodo).
- CCSD’s instructional model (Mastery Teaching Model/Literacy Workshop) drives effective technology integration through the strategic alignment of professional development activities and state curriculum standards.
- Students who face challenges ranging from learning disabilities to significant physical disabilities have equitable access to assistive technologies via the Office of Exceptional Children.
- CCSD has collaborated with external agencies to provide electronic online resources such as myON Reader, PebbleGo, Gale Resources, DISCUS, etvStreamlineSC, and Biblioboards for teacher and student use in every classroom.

**B. OBJECTIVES AND STRATEGIES**

OBJECTIVES	STRATEGIES
Students will engage in authentic learning experiences aligned with adopted standards that effectively integrate technology, including assistive technology, into the core content and related arts areas.	<ul style="list-style-type: none"> <li>● Use National Educational Technology Standards for Students</li> <li>● Revise CCSD technology policies and procedures to ensure alignment, equity and support for student achievement goals.</li> <li>● Provide appropriate accommodations for students with special needs for learning and testing environments.</li> <li>● Develop Digital Learning Cohorts to expand learning opportunities for students that will foster 21st century skills.</li> </ul>
One to one learning environments will be created that enable students to participate in authentic learning activities aligned with the CCSD	<ul style="list-style-type: none"> <li>● Provide opportunities and resources to schools to facilitate the development and</li> </ul>

<p>instructional model.</p>	<p>implementation of effective communication and collaboration skills using technology in the core content and related arts areas.</p> <ul style="list-style-type: none"> <li>• Provide district level technology support through the technology specialists to guide schools and educate teachers.</li> </ul>
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## C. ACTION LIST

1. Revise Acceptable Use Policy (GBEBD)
2. Develop and/or revise policies/procedures as needed for resources such as the following:
  - Hardware and Software standardization
  - Social media for instructional and communication
  - Blogs, Wikis and other dynamic web tools
  - Internet security and content filtering
  - Copyright
  - Licensing
  - Network security
  - Data integration
  - Learning Management System
  - Technology Counts online survey
  - Email use
  - Electronic registration system
  - Google Apps for Education
  - Portable electronic agreements for staff and students
3. Maintain and expand the use of online resources for students, teachers, administrators and parents including:
  - Google Apps for Education
  - Google Classroom
  - Edmodo
  - Virtual Schools/TypingMaster
  - PowerSchool
  - DISCUS
  - BrainPop
  - myON Reader
  - PebbleGo
  - Gale Resources
  - MasteryConnect

4. Incorporate real-world student projects into professional development.
5. Feature teachers and/or administrators who are modeling innovative technology integration practices on CCSD Educational Technology web site.
6. Upgrade district provided computer labs every five years to facilitate student learning and benchmarking of student achievement.
7. Continue expansion of 1:1 learning environments in K-12 classrooms.
8. Continue to implement and update Classroom Modernization initiatives to ensure equity and to pilot innovative technologies.

## D. ACTION PLAN

**OBJECTIVE:** Students will use technology tools to develop and demonstrate the 21st century skills of communication, collaboration, critical thinking and creativity through learning experiences aligned with International Society for Technology in Education NET-S and state curriculum standards.

**EVALUATION:** Effective technology integration will increase student engagement and achievement as evidenced by data collected from teacher and student surveys, comparison of test scores, and/or other sources.

IMPLEMENTATION STEP	COMPLETION DATE	BENCHMARK
Review and/or revise Acceptable Use Policy (GBEBD).	Bi-annually	Improved and updated policies disseminated and implemented
Develop and/or revise policies/procedures for: <ul style="list-style-type: none"> <li>▪ Software standardization</li> <li>▪ Social networks</li> <li>▪ Internet security and content filtering</li> <li>▪ Equipment standardization</li> <li>▪ Copyright</li> <li>▪ Licensing</li> <li>▪ Network security</li> <li>▪ Data integration</li> <li>▪ Learning Management System</li> <li>▪ Technology Counts online survey</li> <li>▪ Email use</li> <li>▪ Electronic registration system</li> <li>▪ Portable electronic devices</li> </ul>	Bi-annually	Policies and procedures written, published, and implemented

<p>Maintain and expand online resources for students, teachers, administrators and parents including:</p> <ul style="list-style-type: none"> <li>▪ Google Apps for Education</li> <li>▪ Google Classroom</li> <li>▪ Virtual schools</li> <li>▪ PowerSchool</li> <li>▪ DISCUS</li> <li>▪ BrainPop</li> <li>▪ myON Reader</li> <li>▪ PebbleGo</li> <li>▪ Edmodo</li> <li>▪ Google Classroom</li> <li>▪ Gale Resources</li> </ul>	<p>Professional development is ongoing</p> <p>BrainPop subscription</p>	<p>Professional development provided on all resources as needed and/or requested</p> <p>Funding allocated to maintain subscriptions for BrainPop and myON Reader</p>
<p>Incorporate real-world student projects into professional development activities.</p>	<p>Ongoing</p>	<p>Updated technology integration course syllabi</p>
<p>Feature teachers and/or administrators who are modeling innovative technology integration practices on Educational Technology website.</p>	<p>Ongoing</p>	<p>Updated website</p>
<p>Pending Board approval, create and implement plan for 1:1 learning initiative K-12. Update and revise plan and upgrade devices as needed.</p>	<p>Update Annually</p>	<p>Updated 1:1 learning plan in place with cost estimates and overall recommendations.</p>
<p>Continue to update, revise (as needed), and implement the Classroom Modernization Project.</p>	<p>Ongoing every 5 years</p>	<p>Classroom Modernization Project plan revised and in place</p>
<p>Upgrade District provided computer labs every 5 years to facilitate student learning and benchmarking of student achievement.</p>	<p>Ongoing</p>	<p>Designated labs updated every 5 years</p>
<p>Continue to update, revise (as needed), and implement Classroom Modernization initiatives to provide equitable and appropriate technologies.</p>	<p>Ongoing</p>	<p>Equipment identified, standardized and implemented with professional development training</p>

## E. FUNDING CONSIDERATIONS

ITEM	NOTES
Educational Technology integration staff	<ul style="list-style-type: none"> <li>▪ Six Educational Technology Specialists</li> <li>▪ Eight Technology Instructional Coaches to support Digital Learning Cohorts</li> <li>▪ One Team Associate serving media specialists</li> <li>▪ Salaries and benefits</li> <li>▪ Professional development</li> <li>▪ Curriculum development</li> <li>▪ Travel</li> </ul>
Educational Technology professional development for teachers	<p>Recertification and Graduate courses</p> <ul style="list-style-type: none"> <li>▪ Professional development through school-based trainings during team meetings and planning periods</li> </ul>
Educational Technology Professional development for administrators	<p>Leading and evaluating with technology</p> <ul style="list-style-type: none"> <li>▪ Assessing teacher technology proficiency and curriculum integration</li> </ul>
Resources to support technology integration, including assistive technology, across all curricular areas and programs	<ul style="list-style-type: none"> <li>▪ Assistive technology aids and adaptive devices</li> </ul>

**A. EVALUATION OF OBJECTIVES**

<b>OBJECTIVE</b>	<b>POSSIBLE BASELINE DATA</b>	<b>POSSIBLE DATA SOURCES TO BE USED FOR ONGOING EVALUATION AND END-OF-PROGRAM REPORT</b>
<p>Students will use technology tools to develop and demonstrate the 21st century skills of communication, collaboration, critical thinking and creativity through learning experiences aligned with International Society for Technology in Education NET-S and adopted curriculum standards.</p> <p>Students will engage in authentic learning activities that are aligned with adopted standards and that integrate technology into the core content.</p>	<ul style="list-style-type: none"> <li>▪ MAP Scores</li> <li>▪ Teacher and student surveys</li> <li>▪ Classroom observations</li> <li>▪ School renewal plans</li> <li>▪ Self-assessments</li> <li>▪ Self-reflections</li> <li>▪ Pre- and post-tests</li> <li>▪ Teacher observations</li> </ul>	<ul style="list-style-type: none"> <li>▪ MAP Scores</li> <li>▪ Administrator, teacher, student, and parent surveys</li> <li>▪ Teacher and student portfolios</li> <li>▪ School renewal plans</li> <li>▪ Self-assessments</li> </ul>

## B. CURRENT BEST PRACTICES IN CCSD

The vision for CCSD calls for the creation of a **high-performance** culture to support delivery of education **excellence** for all students. A major contributor to the success of this vision is the effective use of technology.

CCSD uses operational best practices that positively impact learners and their environment:

- The Help Desk is staffed and trained such that 68% of the tickets are closed on the first call.
- The Help Desk uses remote management tools to reduce the need to physically touch computers to resolve software problems.
- Information Technology (IT) maintains a SIF (School Interoperability Framework) environment. Applications included in the existing environment are PowerSchool, SC Student Locator, Destiny library manager, Destiny textbook manager, Visions eGP, Excent, and Novell Identity Manager. IT is also providing student network accounts and secure storage.
- CCSD is pursuing a refresh cycle of 5 years for all computer equipment and maintains a 5-year warranty.
- The Division of Information Technology is proactive in establishing technology standards for infrastructure.
- The Division of Information Technology is aggressive in its pursuit of e-rate funds.
- Technology courses and workshops are designated as specific levels and/or topics in order to help teachers choose classes and workshops to that will allow them to increase their skills.

## TECHNOLOGY DIMENSION 2

### PROFESSIONAL CAPACITY

#### GOAL

CCSD will provide professional development to increase the competency of all CCSD educators so that research-proven strategies and the effective integration of educational technology can be used to increase student engagement and achievement.

#### A. SNAPSHOT OF CURRENT TECHNOLOGY USE IN CCSD

The Department of Educational Technology provides a variety of professional development that is focused on best instructional practices for effective technology integration. Professional development includes workshops, graduate and recertification courses and job embedded PD through the support of a technology instructional coach. Courses and workshops focus on training teachers on the use of devices, software and web based applications at the introductory levels and on instructional strategies, and planning and assessment at the higher levels.

##### **Classroom Modernization**

The vision of the Charleston County School District Board of Trustees and Superintendent for technology in our schools is to see technology prudently applied to teaching and learning with equity, understanding, and informed growth. Our focus is using technology to implement and maintain the Charleston Achieving Excellence: Vision 2016 which drives all that we do in CCSD.

We are rolling out mobile technologies to teachers and students across CCSD in support of the transformation of teaching and learning in a meaningful and lasting way. Student mobile devices are powerful tools that have tremendous potential to develop 21st century skills and improve student outcomes. To accomplish this, the school culture must shift to allow students to experience increased ownership of their educational experience.

Additional allocations of funds were utilized to support our Digital Learning Cohorts by providing ongoing instructional coaching of our teachers with Technology Instructional Coaches.

##### **Race to the Top - District Grant (Personalized Learning Department)**

90% of all RTT-d teachers participated in a 1:1, over the shoulder, small group, after school, Teacher Curriculum Teams, or scheduled session. 25% of all teachers were on a sustained professional learning plan and engaged weekly or biweekly.

**PLAN FOR MOVING FORWARD**

The Classroom Modernization project is expanded mobile devices into nearly all schools in CCSD.

## Fall 2014

- Student iPads deployed to remainder of RTT-D schools
- iPads deployed to CCSD teachers at participating schools
- Chromebooks deployed to CCSD teachers at participating schools
- Teachers attend Professional Development
  - Required: 2-hours upon deployment for all teachers receiving devices
  - Recommended: 15-hour “Getting Started” course for teachers who wish to participate in Digital Learning Cohort and adopt 1:1 in their classrooms

## Spring 2015

- Student iPads deployed to all non-1:1 and non-Chromebook schools
  - Device numbers based on student/classroom formula
- Student Chromebooks deployed to non-1:1 and non-iPad schools
  - Device numbers based on student/classroom formula
- Digital Learning Cohorts formed across the district
  - 12 Cohorts based on zone, 20 teachers per Cohort
  - DLCs comprised of teachers at every school who are adopting 1:1 (sharing cart with 1 other teacher)
  - Principals select teachers to participate (2 per school)
  - Participants attend monthly training
  - Training led by Educational Technology Specialists
- Student devices deployed to classrooms as Cohort teachers are ready
  - Participating teachers supported by Technology Instructional Coaches
  - Coaches assist with deployment and classroom instruction as needed

**International Society for Technology in Education (ISTE) National Educational Technology Standards (NETS)**

CCSD recognizes that assurance of student technology literacy requires teachers to demonstrate technology proficiency. Thus CCSD has adopted the standards developed by the International Society for Technology in Education (ISTE) and is meeting or exceeding the requirements of the South Carolina State Department of Education mandate (Proviso 1.29) which states that teachers must demonstrate technology proficiency during their certification renewal cycle. Significant progress has been made toward achieving CCSD’s technology vision that every child and teacher will realize the benefits found in technology-rich learning environments.

These standards can be accessed online at  
<http://www.iste.org/AM/Template.cfm?Section=NETS>

### Classroom Technology Use

Classroom technologies in CCSD include SMART Interactive whiteboard and projector, teacher laptop, document camera, and Lightspeed integrated sound system. In addition to hardware teachers are also provided with a mobile device and applications for productivity and data management. Teachers use these tools to design and deliver instruction to students as well as to complete professional tasks such as attendance, record keeping, research, and collaboration.

Data from 2014 Teacher Technology Survey:

#### I use the SMART Board as a projection device for lessons or websites.



#### I use the SMART Board as an interactive teaching tool (touch capabilities).



#### My STUDENTS use the touch interactivity of the SMART Board.



**Professional Development Participation Data**

Between July 1, 2013 and May 1, 2015 the Department of Educational Technology offered 513 courses and workshops with 8242 individual completions. Over 2000 teachers participated in sustained professional development (15 hours or more) and earned graduate or renewal credit. Professional development evaluation results show that the majority (over 83% of teachers) believe that completion of the courses has a positive impact on student achievement, and over 85% report an increase in teacher technology proficiency.

Participants in the **Digital Learning Cohort** program reported that participation in the program was extremely beneficial to their teaching and students' learning. Ninety-eight percent of the teachers valued the monthly face-to-face learning with their educational technology specialist and fellow cohort members and 99% stated that the job-embedded instructional coaching was helpful or extremely helpful.

**B. OBJECTIVES AND STRATEGIES**

GOAL: CCSD will provide professional development to increase the competency of all CCSD educators so that research-proven strategies and the effective integration of instructional technology systems can be used to increase student achievement.

OBJECTIVES	STRATEGIES
<p><b>2.1</b> CCSD will enable educators to achieve and demonstrate proficiency in integrating state-recommended instructional technology standards (International Society for Technology in Education/National Educational Standards for administrators, students, and teachers) into their specific area of professional practice to increase student achievement.</p>	<p>A. Design and implement an instructional coaching model to promote integration of instructional technology standards with new and innovative tools.</p>
<p><b>2.2</b> CCSD will build technology skills and leadership capacity to ensure that technology is making a significant instructional impact for students and teachers.</p>	<p>A. Analyze school needs using COT data and assist teachers with the acquisition of the necessary technology skills for and the effective integration of technology into classroom instruction.</p>

	<ul style="list-style-type: none"> <li>B. Continue to increase the availability of and ensure equitable access to technology tools for teachers through the Classroom Modernization Program and the 1:1 Learning Initiative Project (iPads and Chromebooks).</li> <li>C. During the 4-year grant period (until June 2017), Personalized Learning Coaches will work with all 19 RTT-D schools to support personalized learning demonstration classrooms. There are 3 RTT-D funded Technology Instructional Coaches who also work with teachers in these 19 schools to support technology integration.</li> </ul>
<p><b>2.3</b> CCSD will collaborate in providing professional development that is aligned to the CCSD Instructional Model to ensure teachers and CCSD staff use technology, including assistive technology, to enhance learning.</p>	<ul style="list-style-type: none"> <li>A. Revise and implement a Master Technology Plan that is directed and supported by CCSD leadership, driven by ISTE and state curriculum standards, and includes input from stakeholder groups.</li> <li>B. Provide assistive technology professional development.</li> <li>C. Ensure students with special needs have equitable access to electronic and information technologies.</li> </ul>
<p><b>2.4</b> CCSD will provide educators with resources and training in technology integration so that research-based best-practices are incorporated into planning, instruction and assessment.</p>	<ul style="list-style-type: none"> <li>A. Offer educational technology planning and professional development in a variety of modalities.</li> <li>B. Provide a list of professional development opportunities and market other recognized professional opportunities for educators.</li> <li>C. Develop a district network of <i>innovating</i> professional development providers who have the skills and experience necessary to prepare teachers for effective technology use.</li> <li>D. Provide the professional development to support the Classroom Modernization program (SMARTBoards, document cameras, iPads, Chromebooks, Google Apps for Ed.)</li> <li>E. During the 4-year grant period (until June 2017), Personalized Learning Coaches will work with all 19 RTT-D schools to support personalized learning demonstration classrooms. There are 3 RTT-D funded Technology Instructional Coaches who also</li> </ul>

	work with teachers in these 19 schools to support technology integration.
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## C. Action List

**GOAL**  
**CCSD will provide professional development to increase the competency of all CCSD educators so that research-proven strategies and the effective integration of educational technology can be used to increase student engagement and achievement.**

- Design and implement an instructional coaching model to promote the integration of instructional technology standards with new and innovative tools.
- Personalized Learning Coaches will ensure that each of the 19 RTT-D schools adds Technology Integration to their school’s strategic plan. This will include technology professional development and coaching (through June 2017).
- Instructional Technology Coaches will continue to work with current Digital Learning Cohort teachers and expand to new cohorts each year that funding permits.
- Analyze school needs using COT data and assist teachers with the acquisition of the necessary technology skills for and the effective integration of technology into classroom instruction.
- Continue to increase the availability of and ensure equitable access to technology tools for teachers through the Classroom Modernization program and the 1:1 Learning Initiative Project (Digital Learning Cohorts utilizing iPads and Chromebooks).
- During the 4-year grant period, the 3 RTT-D funded Technology instructional coaches will offer technology training to the RTT-D Personalized Learning demonstration classroom teachers, model lessons, and provide ongoing feedback.

- Revise and implement a Master Technology Plan that is directed and supported by the CCSD leadership, driven by ISTE and state curriculum standards, and includes input from stakeholder groups.
  - Provide assistive technology professional development.
  - Ensure students with special needs have equitable access to electronic and information technologies.
- 
- Offer educational technology planning and professional development in a variety of modalities.
  - Provide and deliver anywhere/anytime professional development in a variety of ways to meet all educators’ needs, including:
    - Graduate and recertification courses
    - One-credit modules
    - Online courses
    - Blended learning
  - Develop a district network of *innovating* professional development providers who have the skills and experience necessary to prepare teachers for effective technology use.
  - Provide the professional development to support the Classroom Modernization program (SMARTBoards, document cameras, iPads, Chromebooks, Google Apps for Education)

**D. FUNDING CONSIDERATIONS**

Item	Budget Source	Notes
<b>Technology integration staff</b>	GOF	<ul style="list-style-type: none"> <li>▪ One Director</li> <li>▪ 6.5 Educational Technology Specialists</li> <li>▪ Salaries and benefits</li> <li>▪ Curriculum development, travel</li> </ul>
<b>Technology coaches</b>	Special Revenue	<ul style="list-style-type: none"> <li>▪ Eight technology Instructional Coaches</li> <li>▪ Salaries and benefits</li> <li>▪ Curriculum development, travel</li> </ul>
<b>Clerical support staff</b>	GOF	<ul style="list-style-type: none"> <li>▪ Staff to support purchasing process and state-mandated paperwork</li> </ul>
<b>Yearly travel</b>	GOF	<ul style="list-style-type: none"> <li>▪ 110 miles per month x 16 employees to conduct training at school sites</li> </ul>

<b>Parking passes for professional development</b>	GOF	<ul style="list-style-type: none"> <li>▪ Parking passes for participants who attend focus groups, meetings, courses and workshops at 75 Calhoun Street; 12 months X \$1,400</li> </ul>
<b>Out-of-county travel for PD</b>	GOF	<ul style="list-style-type: none"> <li>▪ Educational technology conference for five staff members</li> </ul>
<b>Printing and binding</b>	GOF	<ul style="list-style-type: none"> <li>▪ Teacher materials, curriculum integration and skill application aids, and monthly newsletter</li> <li>▪ All courseware is developed in-house</li> </ul>
<b>Supplies</b>	GOF	<ul style="list-style-type: none"> <li>▪ Office supplies</li> </ul>
<b>Basic and innovative technology professional development for teachers</b>	Title II	<ul style="list-style-type: none"> <li>▪ Recertification course</li> <li>▪ Graduate courses</li> <li>▪ Online courses</li> <li>▪ Workshops</li> <li>▪ Sustained professional development with Digital Learning Cohorts</li> </ul>
<b>Technology professional development for administrators</b>	Title II	<ul style="list-style-type: none"> <li>▪ Leading and evaluating with technology</li> <li>▪ Assessing teacher technology proficiency and classroom integration</li> </ul>
<b>Instructional materials</b>	Title II	<ul style="list-style-type: none"> <li>▪ Instructional Books (not computer related)</li> </ul>
<b>Instructional materials (computer related)</b>	Capital	<ul style="list-style-type: none"> <li>▪ iPad or Chromebook carts for Digital Learning Cohort members</li> <li>▪ 2500 iPads</li> <li>▪ Accompanying Carts</li> <li>▪ Syncing Stations</li> <li>▪ Student Applications</li> </ul>
<b>Assistive technology across all curricular areas</b>	Included in Special Education budget	<ul style="list-style-type: none"> <li>▪ Assistive technology aids and adaptive devices</li> </ul>
<b>Race to the Top-District</b>	RTT-D Grant	<ul style="list-style-type: none"> <li>▪ Sustained technology professional development and coaching for the 19 schools named in the RTT-D grant</li> </ul>

## **TECHNOLOGY DIMENSION 3**

### **INSTRUCTIONAL CAPACITY**

#### **GOAL**

**Educators in CCSD will use technology tools to prepare students for college and career, and improve student outcomes by fostering the 21st century skills of communication, collaboration, critical thinking and creativity.**

#### **A. SNAPSHOT OF CURRENT TECHNOLOGY USE IN DISTRICT**

CCSD believes that technology is a fundamental element of preparing students for college and the workforce in the 21st Century. We are working to create a technology-rich environment that is collaborative and supports creativity, innovation, and lifelong learning.

Teachers deliver instruction, track student progress, and assess students through a variety of technology including interactive whiteboards and projectors, document cameras, mobile devices and various digital applications such as Google Apps for Education, Google Classroom, Edmodo, MasteryConnect, BrainPop, and social media platforms to engage students in curriculum based projects and personalize instruction and assessment for students.

Student mobile devices are powerful tools that have tremendous potential to help cultivate creativity, develop 21st century skills and improve student outcomes. To accomplish this, the school culture must shift to allow students to experience increased ownership of their educational experience. Currently there are mobile devices in nearly every CCSD school, in both 1:1 and shared-cart models. Expansion has continued with funds from Classroom Modernization, and a federal Race to The Top- District grant. The majority of schools are using iPads, but the Classroom Modernization project has also funded shared carts of Chromebooks in 15 schools.

Teachers in both Race to the Top and Classroom Modernization Digital Learning Cohorts are being supported through professional development and instructional coaches who work with teachers to provide instructional support and resources to ensure that teachers are using best practices of digital learning.

As access to Internet capable mobile devices is expanded across CCSD it is imperative that teachers provide instruction on the components of digital citizenship including Privacy & Security, Digital Footprint & Reputation, Self-Image & Identity, Creative Credit & Copyright, Relationships & Communication, Information Literacy, Cyberbullying, and Internet Safety as outlined in the Common Sense Media digital citizenship scope and sequence.

## B. OBJECTIVES AND STRATEGIES

**GOAL: Educators in CCSD will use technology tools to prepare students for college and career, and improve student outcomes by fostering the 21st century skills of communication, collaboration, critical thinking and creativity.**

OBJECTIVES	STRATEGIES
<p><b>3.1</b> CCSD will ensure that curricular design, instructional strategies, and learning environments integrate appropriate technologies (including the range of assistive technology options) to significantly impact teaching and learning.</p>	<ul style="list-style-type: none"> <li>A. Continue to collaborate with the Curriculum and Instructional Support team to align technology best practices and resources with the CCSD Instructional Model.</li> <li>B. Facilitate the use of technologies to support and enhance instructional methods (including the use of hardware, software, and assistive technology) that develop communication, collaboration, critical thinking and creativity.</li> <li>C. Provide and support a variety of technologies for teaching and learning.</li> </ul>
<p><b>3.2</b> CCSD will provide teachers and students with the technology resources, including assistive technology, necessary to increase academic achievement by providing students with engaging, active learning.</p>	<ul style="list-style-type: none"> <li>A. Provide teachers and students access to online services, and media-based instructional materials, allowing them to select appropriate tools that will enrich and extend their learning.</li> <li>B. Create 1:1 and blended learning environments as funding permits based on teacher readiness and principal selection in which each student has access to a mobile device and the teacher is supported through professional development and instructional coaching.</li> </ul>

<b>C. ACTION LIST</b>	
<b>GOAL: Educators in CCSD will use technology tools to prepare students for college and career, and improve student outcomes by fostering the 21st century skills of communication, collaboration, critical thinking and creativity.</b>	
<ul style="list-style-type: none"> <li>3.1.A Continue to collaborate with the Curriculum and Instructional Support team to align technology best practices and resources with the CCSD Instructional Model.</li> <li>3.1.B Facilitate the use of technologies to support and enhance instructional methods (including the use of hardware, software, and assistive technology) that develop communication, collaboration, critical thinking and creativity.</li> <li>3.1.C Provide and support a variety of technologies for teaching and learning through collaboration with IT.</li> </ul>	
<ul style="list-style-type: none"> <li>3.2.A.1 Provide teachers and students access to online services and media-based instructional materials, allowing them to select appropriate tools that will enrich and extend their learning.</li> <li>3.2.A.2 Provide teachers with access to student data and support for using the data effectively and ethically through best practices, peer collaboration, and professional development.</li> <li>3.2.A.3 Provide students and teachers with access to online services and media-based instructional materials, allowing them to select appropriate tools that will enrich and extend their learning.</li> </ul>	
<ul style="list-style-type: none"> <li>3.2.B Create 1:1 and blended learning environments as funding permits based on teacher readiness and principal selection in which each student has access to a mobile device and the teacher is supported through professional development and instructional coaching.</li> </ul>	

<b>D. FUNDING CONSIDERATIONS</b>		
<b>Item</b>	<b>Budget Source</b>	<b>Notes</b>
<b>Technology integration staff</b>	(GOF)	<ul style="list-style-type: none"> <li>▪ 6 1.0 FTE Technology Integration Specialists</li> <li>▪ Salaries and benefits</li> <li>▪ Curriculum development</li> <li>▪ Travel</li> </ul>
<b>Basic and innovative technology professional development for teachers</b>	(GOF)	<ul style="list-style-type: none"> <li>▪ Graduate courses</li> <li>▪ Recertification courses</li> <li>▪ Workshops</li> <li>▪ Online courses</li> </ul>
<b>Technology professional development for administrators</b>	(GOF)	<ul style="list-style-type: none"> <li>▪ Leading and evaluating with technology</li> <li>▪ Assessing teacher technology proficiency and classroom integration</li> </ul>
<b>Innovative delivery strategies</b>	(GOF)	<ul style="list-style-type: none"> <li>▪ Online courses</li> <li>▪ Flipped and hybrid courses</li> <li>▪ Job-embedded training</li> </ul>
<b>Resources to support technology integration, including assistive technology, across all curricular areas and programs</b>	Included in Special Education budget	<ul style="list-style-type: none"> <li>▪ Assistive technology aids and adaptive devices</li> </ul>
<b>Race to the Top (Personalized Learning Department) Technology Integration Staff</b>	(RTT-d)	<ul style="list-style-type: none"> <li>▪ 1 1.0 FTE Technology Integration Specialist</li> <li>▪ 3 1.0 FTE Technology Personalized Learning Instructional Coaches</li> <li>▪ Salaries and benefits</li> </ul>

## TECHNOLOGY DIMENSION 4

### COMMUNITY CONNECTIONS

#### GOAL

Charleston Count School District will elevate achievement overall, close the achievement gap, and raise the graduation rate by using technology to enhance internal and external communications and to better inform, engage and empower students, parents, community leaders, and business and faith-based groups around the key priorities of *Charleston Achieving Excellence: Vision 2016*.

#### A. SNAPSHOT OF CURRENT TECHNOLOGY USE

CCSD realizes the importance of using technology to communicate its key priorities and messages and to bridge communications gaps between the district and the various publics that it serves. In addition, the district understands that technology is critical to the enhancement of school-parent-community-business collaborations around shared academic goals.

CCSD is currently utilizing technology at the school and district level to inform and empower parents and the broader community, showcase success stories and best practices, relay timely messages and updates, and connect parents and community members with the goals, strategies, and actions of the district's strategic plan. As a snapshot, CCSD televises Board meetings (internally and externally); streams video announcements by the Superintendent; uses SharpSchool learning management system-powered school Web sites; uses ParentLink; uses Twitter, Facebook, and an electronic newsletter/listserv; creates and warehouses training and instructional videos for TV and the Web; and posts reports, data, and news on its Web site.

ParentLink—a district-wide automated phone messaging system—is used to send brief messages to parents (district-wide via the central office, and in every school via the principals). In general, parents and community members still use traditional means—e.g. placing phone calls to local schools directly, calling district headquarters with questions, writing letters, participating in meetings—to communicate. E-mail is also used, as well as text messaging. In addition to direct e-mail to principals, teachers, and PTAs or parent councils (SIC's), at the district level CCSD has implemented a generic "superintendent's e-mail box" that routes questions, concerns and comments through the Director of Community Outreach.

CCSD also has budget, strategic planning, communications, and headstart/early headstart generic e-mails. Several years ago, CCSD began using social media—Twitter and Facebook—to strengthen connections with the public and send timely messages, and has grown that program of work into a new mode of communicating with parents, and concerned citizens. CCSD also uses YouTube, and internally, the district began using videoconferencing to communicate between buildings and save time and energy.

## B. OBJECTIVES AND STRATEGIES

**GOAL:** CCSD will elevate achievement overall, close the achievement gap, and increase the graduation rate by using technology to better inform, engage and empower parent, community, business and faith-based groups.

OBJECTIVES	STRATEGIES
<p><b>4.1 Inform, engage and empower parents and community members around goals, strategies and actions of <i>Charleston Achieving Excellence: Vision 2016</i>.</b></p>	<ul style="list-style-type: none"> <li>A. Expand Web-based communications vehicles that target parents and community members.</li> <li>B. Build video capacity and TV programming around parent/community audience informational needs. Enhance the use of CCSD Today.</li> </ul>
<p><b>4.2 Enhance communications between teachers, principals, and district staff; empower CCSD staff, principals and teachers to better communicate, partner with, and involve parents and broader publics served by the district.</b></p>	<ul style="list-style-type: none"> <li>A. Use the district Web site to recognize and reward the work of teachers, principals and district staff.</li> <li>B. In partnership with SharpSchool, enhance the usage and utility of school-based Web sites/learning management systems and their parent/community communications tools and resources.</li> <li>C. Use satellite-based TV and Web-based networks to communicate CCSD’s key priorities and messages to teachers, principals and staff.</li> <li>D. Utilize ParentLink automated call-out system for timely phone messages and texts from district and schools to parents, during crisis events and non crisis events.</li> <li>E. Utilize the principal’s packet in a more formal way.</li> </ul>

## B. OBJECTIVES AND STRATEGIES

**GOAL:** CCSD will elevate achievement overall, close the achievement gap, and increase the graduation rate by using technology to better inform, engage and empower parent, community, business and faith-based groups.

OBJECTIVES	STRATEGIES
<p><b>4.3 Meaningfully connect the district and local schools with the Charleston county business community; inform, engage and involve the business community around CCSD messages, priorities, and key academic goals of the <i>Charleston Achieving Excellence: Vision 2016</i>.</b></p>	<ul style="list-style-type: none"> <li>A. Expand Web-based communications vehicles that build, enhance and highlight business-school-district partnerships and activities.</li> <li>B. Increase capacity for business partnership-building and targeted, comprehensive volunteerism around literacy and reading goals.</li> <li>C. Leverage business partnerships and advisory committees to enhance learning at the high school level around key economic goals and career themes.</li> </ul>
<p><b>4.4 Encourage, recognize and motivate students, teachers, partners and staff; enhance and boost the image of the district, including students, faculty and administration.</b></p>	<ul style="list-style-type: none"> <li>A. Use the district Web site and other technologies to tell the district’s positive stories and to recognize and reward the accomplishments of students, teachers, principals and district staff.</li> <li>B. Expand social media tools to deliver timely messages and engage and inform the public and staff.</li> </ul>

## C. ACTION LIST

**GOAL:** CCSD will elevate achievement overall, close the achievement gap, and increase the graduation rate by using technology to better inform, engage and involve parent, community, business and faith-based groups.

- 4.1.A.1. Expand and market social media communications tools—Twitter, Facebook and YouTube
- 4.1.A.2. Enhance SharpSchool learning management system to expand communications capacity of school web sites
- 4.1.A.3. Create web-based parent-community and staff newsletters.
- 4.1.A.4. Connect PTA and parent council groups through enhanced e-mail/web communications systems
- 4.1.A.5. Expand the production, posting, and marketing of videos that communicate district priorities/events/initiatives and highlight student, school, and district successes.
- 4.1.B.1. Enhance the CCSD News Show(s), CCSD Today, that communicates key district goals/priorities for parents; provide helpful tips, resources, and materials to parents and community members; and offer the latest high-priority news and information highlights that parents need to know.
- 4.1.B.2. Cross-market video across different media—webcast, TV, PSAs, announcements, and “feature video” communications around key academic topics
- 4.3.A.1. Provide ongoing guidance and content management for use of ParentLink automated call-out system.
- 4.4.A.1. Expand and enhance usage of PowerSchool.
- 4.4.A.2. Build usage of videoconferencing for internal and external communications

**D. ACTION PLAN**

GOAL	ACTION ITEM	BUDGET REQUIRED	TARGET COMPLETION	C	STATUS A	M
<p><b>Inform, engage and empower parents and community members around goals, strategies and actions of Charleston Achieving Excellence: Vision 2016.</b></p>	<p>Expand and market social media communications tools—listserv, Twitter, Facebook and YouTube.</p>	<p>N/A</p>	<p>Ongoing</p>			
	<p>Create and expand electronic parent, community and staff newsletters. Also enhance media tracking.</p>	<p>\$10,000 annually</p>	<p>Ongoing</p>			
	<p>Expand the production, posting, and marketing of videos that communicate district priorities/events/initiatives and highlight student, school, and district successes.</p>	<p>\$30,000 Video Services staff, also the hiring of freelance videographers.</p>	<p>Ongoing</p>			

	<p>Cross-market video across different media platforms—webcast, TV, PSAs, announcements, and “feature video” communications around key academic topics</p>	<p>N/A</p>	<p>Ongoing</p>			
<p><b>Enhance communications between teachers, parents, principals, and district staff; empower CCSD staff, principals and teachers to better communicate, partner with, and involve parents and broader publics served by the district.</b></p>	<p>Expand usage of videoconferencing across district offices and schools.</p> <p>Expand usage of PowerSchool parent portal.</p> <p>Provide ongoing guidance for Parentlink usage; promote and expand Parentlink.</p> <p>Leverage “in house” expertise at the school level, tapping into CTE programs to enhance usage of technology in communications.</p>	<p>NA</p> <p>NA</p> <p>N/A</p> <p>N/A</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>			

	<p>Launch PowerSchool Parent Portal pilot; expand to all schools.</p>	<p>\$300K</p>	<p>Ongoing</p>			
	<p>Continue the usage of SharpSchool learning management system</p>	<p>N/A</p>	<p>Ongoing</p>			
	<p>Expand school- and office-based social media usage.</p>	<p>N/A</p>	<p>Ongoing</p>			
<p><b>Meaningfully connect the district and local schools with the Charleston county business community; inform, engage and involve the business community around CCSD messages, priorities, and key academic goals of the Charleston Plan for Excellence.</b></p>	<p>Create and expand web-based parent, community and staff newsletters.</p>	<p>\$15,000 annually</p>	<p>Ongoing</p>			
	<p>Use social media to promote connections between schools and community/business groups.</p>	<p>N/A</p>	<p>Ongoing</p>			

<p><b>Encourage, recognize and motivate students, teachers, partners and staff; enhance and boost the image of the district, including students, faculty and administration.</b></p>	<p>Expand usage of e-newsletter across parent, staff, community members and other stakeholders.</p>	<p>\$15,000 annually</p>	<p>Ongoing</p>			
	<p>Produce videos that tell the district's "story" and highlight school, staff and district accomplishments.</p>	<p>Video Services</p>	<p>Ongoing</p>			
	<p>Cross-market video across different media—webcast, TV, PSAs, announcements, and "feature videos" around key topics.</p>	<p>NA</p>	<p>Ongoing</p>			
	<p>Use social media tools to communicate student, school, and district successes.</p>	<p>N/A</p>	<p>Ongoing</p>			

## E. FUNDING CONSIDERATIONS

<i>Item</i>	<i>Projected FY2013 Budget</i>	<i>Notes</i>
<b>Communications Staff</b>	<i>Estimated \$600,000</i>	<ul style="list-style-type: none"> <li>• <i>Utilize expertise of staff members</i></li> </ul>
<b>SharpSchool learning management system</b>	<i>\$300,000</i>	<ul style="list-style-type: none"> <li>• <i>School, teacher web pages</i></li> </ul>
<b>ParentLink</b>	<i>N/A</i>	<ul style="list-style-type: none"> <li>• <i>3-year contract established by IT</i></li> </ul>
<b>Listserv</b>	<i>\$5000</i>	<ul style="list-style-type: none"> <li>• <i>Constant Contact annual contract</i></li> </ul>
<b>Video Production</b>	<i>Estimated \$200,000 + the support of freelance videographers as needed (+\$20,000)</i>	<ul style="list-style-type: none"> <li>• <i>Use existing Video Services staff expertise, capacity</i></li> </ul>
<b>Videoconferencing</b>	<i>N/A</i>	<ul style="list-style-type: none"> <li>• <i>Build infrastructure, use Video Services, IT, Office of Strategy and Communications staff for implementation and technical assistance.</i></li> </ul>

## TECHNOLOGY DIMENSION 5

### SUPPORT CAPACITY

#### GOAL

CCSD will provide information and high performing technology systems and services that empower our customers to focus on student learning/achievement and supporting business functions.

#### A. SNAPSHOT OF CURRENT TECHNOLOGY USE

CCSD utilizes 24,000 PCs and hundreds of network printers for classroom, lab and administrative purposes. To enable end-user operations, our networks employ 200+ servers, 2,700 switches. Most of the computers in use utilize Microsoft's Windows Operating system. There are approximately 1,000 Apple Macintosh computers in use throughout the district.

Our Information Technology department is staffed by 62 full-time employees. Almost half (24) are dedicated to direct support of end-of-line school systems utilized daily for teaching and learning. The remainder support back-end systems or IT operations. We typically maintain a vacancy rate which requires ongoing support from an average of 10 contractors.

Our IT help desk responds to approximately 55,000 calls each year. If the Help Desk staff cannot fix a problem, it is escalated to the specialist for that subject-area Field Support or Network Operations.

CCSD outsources Web hosting to SharpSchool to support school-based web-publishing, student e-mail provision and learning management. Information Technology and Communications staff maintain our internally-hosted Intranet and District web site. CCSD's email services are hosted through Google. Additionally, our district utilizes other applications through Google Apps for Education.

Our network backbone services are available 99.8% of the time. CCSD network Internet bandwidth utilization averages 168Mbps (56%) with bursts peaking beyond the maximum 3,000Mbps at 3,980Mbps.

We are in the process of building wireless infrastructure to support 1:1 devices. Wireless networks are in place at all locations but are not all currently designed to support 1:1 devices such as iPads, ChromeBooks and personal student and staff devices. Wireless networks in most facilities are taxed and must be updated to support the planned one-to-one computing pilots.

#### Assessment of Technology State and Needs:

The district has adopted several different options in support of personalized learning providing portable devices to a number of students. 24,000 iPads and 2,000 Chromebooks are in use throughout the district. We have a mixture of deployment models throughout the district ranging from a shared use model where classroom sets of iPads are shared by multiple classrooms to a full blown 1:1 model where students take their assigned device home to complete studies away from school.

The district has invested in a Mobile Device Management tool to help control accessibility to current and future wireless networks. Our faculty, staff, and teachers are also utilizing more personally owned technology which we expect to require tighter control of the school wireless environment and increasing demands for a viable Bring Your Own Device strategy.

Windows based computers have been upgraded to Windows 7. We expect to move to Windows 10 as our next operating system for Windows based computers. We currently utilize Novell as our client management platform but will be moving to Active Directory within the next few months.

We have begun to implement VoIP technology as existing telephone systems reach end of life and in new construction. Many of the public address systems will reach end of life within the next few years.

Specific needs and conditions are identified below.

- A. Client stations throughout the district are much improved due to the classroom modernization program which has been in place for five years. Lab and media center computers are in great condition. Teacher laptops are nearing their end of life and will be replaced over the next two years. We are exploring the option of allowing school administration to choose between Windows-based computers or Macintosh Apple computers for teacher. Technology Counts 2012 revealed only **7% of lab/computer classroom** computers are more than four years old. Only **6% of media center** computers are more than four years old. Classroom computers in general are in much worse shape (these include teacher computers) with **29%** more than four years old. Because of the different treatment for classroom computers as compared to lab and media center computers, we do not track an overall school rating for client stations currently. TechReadiness Surveys conducted in 2012 and 2013, confirmed lab and computer classroom counts.

We have used funding from our classroom modernization program to install interactive white boards and sound enhancement systems in each classroom. A document camera has been provided to each classroom.

- B. Our **servers** supporting instruction and administration have been recently upgraded. Windows 7 client management and PowerSchool Student Information System version 7.8 are impacting the replacement cycle negatively. Few other applications are restricted due to server issues. Servers are rated on a scale of C1 to C4 where **C1** is best meaning the server is within warranty, meets district standards and has a storage capacity rating of 50% or less.

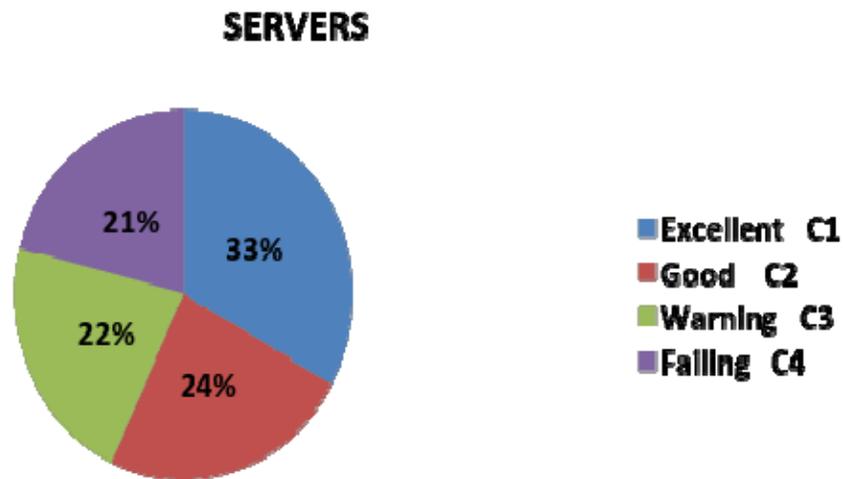


Figure 1: Condition of Servers in Schools

C. Figure 2 illustrates our judgment of our **network electronics** based on service life of switches and routers on a scale of C1 to C4 where C1 is best. Schools rated **C1** have most equipment under hardware support that ends in 2015 or beyond. Schools with the majority of equipment hardware support ending in 2011 are rated C4.

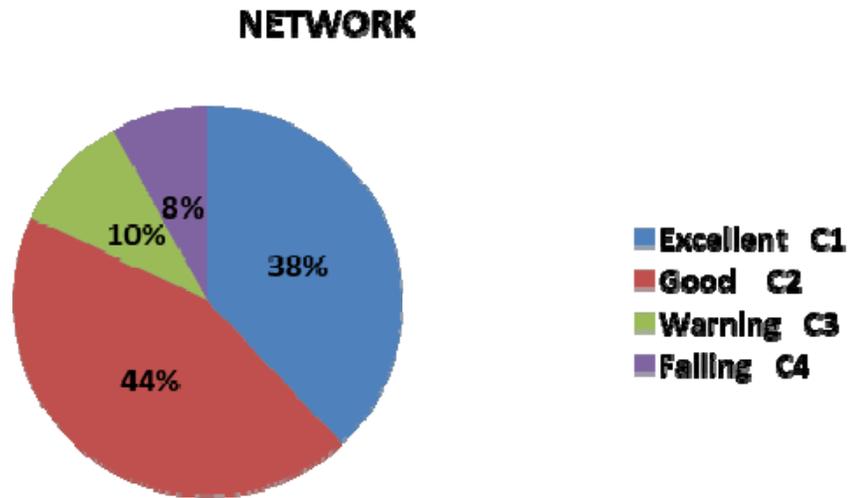


Figure 2: Condition of Network Electronics in Schools

In addition to the Network Electronics rating, we also track Electrical and HVAC capacity of wiring closets, and horizontal cabling capacity. These three measures are evaluated holistically to prioritize projects.

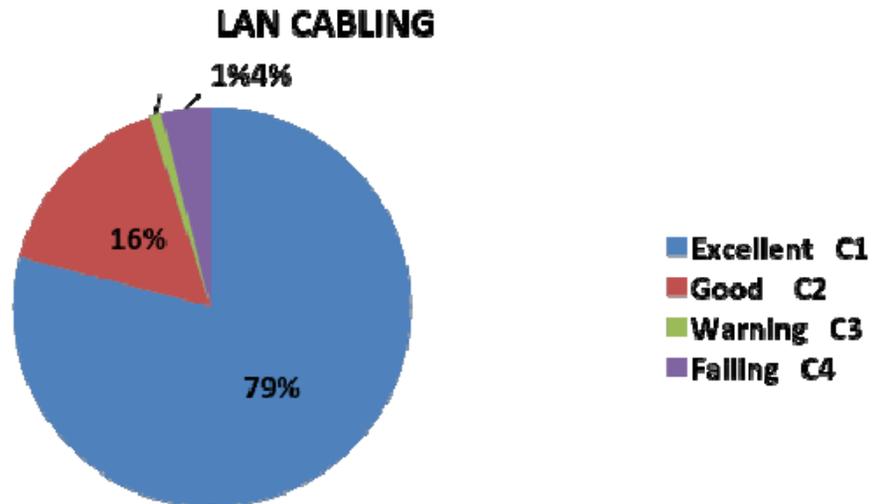


Figure 3: LAN Cabling Condition in Schools

### LAN CAPACITY

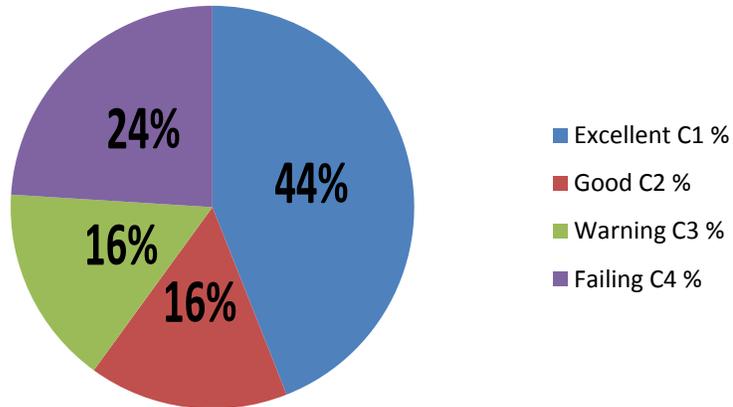


Figure 4: LAN Environmental Capacity in Schools

**D.** We rate the wireless networks in our schools by the presence and generation of wireless infrastructure on a scale of C1 to C4 where C1 is best. **C1** schools have a full wireless N network. **C2** rated schools have a wireless N network but with inadequate coverage to accomplish educational objectives. **C3** rated schools have inadequate coverage to meet educational objectives and may use wireless “B” or “B/G” technology. **C4** schools (21%) have no wireless capability.

### WIRELESS

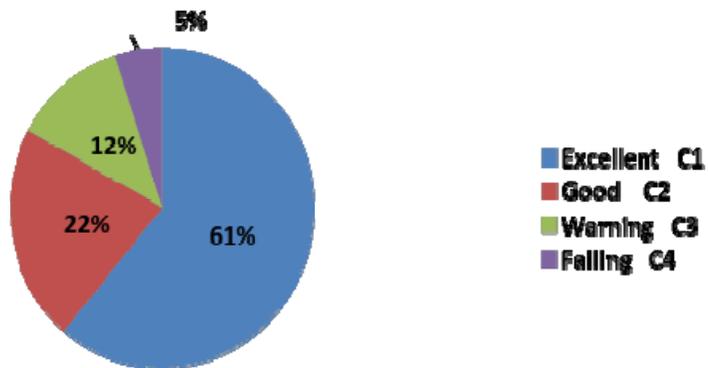


Figure 5: Wireless Capability in Schools

Our goal and objectives are directly correlated to the district values and goals. The Information Technology department has identified strategies to guide our work with internal and external partners to ensure our efforts align with *Charleston Achieving Excellence—Vision 2016*.

<b>B. Objectives and Strategies</b>	
<b>GOAL: CCSD will provide information and high performing technology systems and services that empower our customers to focus on student learning/achievement and supporting business functions</b>	
<b>OBJECTIVES</b>	<b>STRATEGIES</b>
<p><b>5.1 Plan and implement technology systems appropriate to support Charleston Achieving Excellence and Vision 2016 (the district’s strategic plan).</b></p>	<ul style="list-style-type: none"> <li>A. Integrate initial outfitting for technology into the building and renovation cycles for facilities.</li> <li>B. Employ systemic technology planning to facilitate wise expenditure of scarce resources to support teaching and learning.</li> <li>C. Maintain a viable classroom modernization program to prevent obsolescence to the detriment of teaching and learning.</li> <li>D. Implement fixed cost of ownership planning and funding to enable agile support required for unforeseen or short-term capital technology needs.</li> </ul>
<p><b>5.2 Ensure technology systems are highly available at the lowest cost possible.</b></p>	<ul style="list-style-type: none"> <li>A. Implement life-cycle planning for technology systems.</li> <li>B. Ensure governance committees oversee key initiatives.</li> <li>C. Require return-on-investment analyses and data-driven approval cycles for new and continued initiatives.</li> <li>D. Develop a culture focused on planned service levels and support structures to assure they are met.</li> </ul>
<p><b>5.3 Deliver clearly communicated and customer-focused technology support via a highly qualified workforce.</b></p>	<ul style="list-style-type: none"> <li>A. Develop a culture of high-quality customer service through organization-approved performance measures.</li> <li>B. Employ standardized methodologies to communicate and improve services available to internal customers and stakeholders.</li> <li>C. Improve controls, data handling, processes, and automation to enhance user experiences.</li> </ul>

The Action List is a translation of our strategies into actions that will help us meet the previously identified objectives. IT metrics and personnel evaluations will be aligned with action lists items and goals to assure support for *Charleston Achieving Excellence—Vision 2016*.

### C. Action List

**GOAL: CCSD will provide information and high performing technology systems and services that empower our customers to focus on student learning/achievement and supporting business functions.**

1. Update technology condition assessments annually to facilitate data required to identify priority needs.
2. Analyze telecommunications condition assessments, current services, and technology hype cycles™ annually to ensure that appropriate telephone, cellular, long distance, local, data, and paging services and equipment are employed to support instruction.
  - 2.1. Trend bandwidth utilization and submit requests for additional bandwidth to the State Office of the CIO as needed to maintain adequate support for instruction and support activities.
  - 2.2. Upgrade telephone systems in schools based on instructional needs and hardware life cycles.
3. Analyze network condition assessments, instructional needs, and technology hype cycles™ annually to ensure appropriate network design, cabling, electronics, protections, and maintenance to enable sufficient network capacity and secure operations.
  - 3.1. Upgrades network electronics in schools based on instructional needs and hardware life cycles.
  - 3.2. Upgrade all schools to wireless-N network with capacity sufficient to support one-to-one computing initiative.
  - 3.3. Upgrade existing school cabling infrastructure to meet changing technology requirements.
4. Analyze server condition assessments, instructional needs, and technology hype cycles™ annually to ensure appropriate server design, capacity, and maintenance to enable instruction and operations.
  - 4.1. Upgrades servers in schools based on instructional needs and hardware/software life cycles.
5. Analyze client station condition assessments, instructional needs, and technology hype cycles™ annually to ensure appropriate client design, capacity, and maintenance to enable instructional and operations objectives.
  - 5.1. Continue computer replacements based on needs assessments and warranty status.
  - 5.2. Pilot and deploy one – to – one computing for classroom instruction in accordance with best practices and cultural appropriateness.
6. Implement Web-hosting, e-mail, and learning management systems to enhance instruction and management via stand-up, blended and online learning.
7. Begin process to select a new PA system provider and begin installation of new systems.
8. Upgrade district data center to equip with adequate fire safety and suppression systems, environmental controls, electrical power, floor space, and staff facilities.

Attachment 1A	
Wide-area Network Circuit Location	2015-2016 Speed (in Mbps)
Academic Magnet High	100
Angel Oak Elementary	100
Ashley River Creative Arts	100
Baptist Hill High School	1,000
Belle Hall Elementary	100
Blaney Center for Advanced Learning	1,000
Buist Academy	100
Burke High	100
Burns Elementary	100
Cario Middle	100
Charleston Progressive Academy	100
Charleston Montessori Com School	100
Chicora Elementary	100
Clark Academy	100
Corcoran Elementary	100
Daniel Jenkins Creative Learning Ctr	100
District Office- Calhoun	100
District Office Operations Div/HUB	4,500
District Office- 1& 2	100
District Office- 4	100
Drayton Hall Elementary	100
Dunston Elementary	100
East Cooper Montessori	100
Edwards Elementary, Jane	100
Edwards ES, James B	100
Ellington Elementary School	1,000
Ford Elementary	100
Frierson Elementary	100
Ft Johnson Middle	100
Garrett Academy of Technology	100
Goodwin Elementary	100
Harbor View Elementary	100
Haut Gap Middle	100
Hughes Elementary School	1000
Hunley Park Elementary	100
Hursey Elementary	100
James Island Charter High	100

Attachment 1A	
Wide-area Network Circuit Location	2015-2016 Speed (in Mbps)
James Island Elementary	100
James Island Middle	100
Jennie Moore Elementary	100
Ladson Elementary	100
Laing Middle	100
Lambs Elementary	100
Laurel Hill Primary	100
Liberty Hill Academy	100
Lincoln High School	500
Low Country Tech Academy	100
Meeting Street Academy	100
Memminger Elementary	100
Midland Park Primary	100
Military Magnet Academy	100
Mitchell Elementary	100
Morningside Middle	100
Moultrie Middle	100
Mt Pleasant Academy	100
Mt. Zion Elementary	100
Murray-Lasaine Elementary	100
North Charleston Creative Arts	100
North Charleston Elementary	100
North Charleston High	100
Northwoods Middle	100
Oalkand Elementary	100
Pepperhill Elementary	100
Pinckney Elementary	100
Pinehurst Elementary School	100
Sanders-Clyde Elementary	100
Simons Elementary	100
Springfield Elementary	100
St Andrews School of Math & Science	100
St John's High	100
St. James-Santee Elementary School	500
Stall High	500
Stiles Point Elementary	100
Stono Park Elementary	100

<b>Attachment 1A</b>	
<b>Wide-area Network Circuit Location</b>	<b>2015-2016 Speed (in Mbps)</b>
Sullivans Island Elementary	100
Wando Center for Advanced Studies	500
Wando High	500
West Ashley High	500
West Ashley Advanced Studies	100
Whitesides Elementary	100
Williams Middle School	100
Zucker Middle	100

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Enter the demographic information for your location below:							
	# of Permanent Classrooms	# of Portable Classrooms	# of Administrative Offices	# of Library Media Centers	# Computers without Internet	# Computers with Internet	# of Computer Labs or Classrooms	# Classrooms with Wireless Connectivity
Academic Magnet High School	38	0	17	1	0	272	4	38
Angel Oak Elementary School	24	2	5	1	0	143	1	24
Ashley River Creative Arts Elementary School	29	0	17	1	0	168	2	0
Baptist Hill High School	46	0	22	1	54	110	0	0
Belle Hall Elementary School	42	1	7	1	0	149	1	0
Blaney Elementary School	18	0	5	1	0	36	1	0
Buist Academy	21	10	6	1	0	145	1	29
Burke High School	71	4	44	1	0	722	8	71
Burns Elementary School	33	0	7	1	0	118	1	0
Carlo Middle School	66	9	16	1	0	243	138	0
Charles Pinckney Elementary School	54	5	10	1	0	253	2	0
Charleston County School District Central Offices	19	8	229	0	0	887	4	0
Charleston Progressive Academy	17	12	8	1	14	173	2	0
Charleston School of the Arts	56	0	20	1	0	543	9	51
Chicora Elementary School	32	0	6	1	0	145	1	32
Clark Academy	17	0	5	1	0	101	3	0
Corcoran Elementary School	36	5	9	1	0	121	1	0
Drayton Hall Elementary School	41	0	11	1	11	167	2	41
Dunston Elementary School	16	8	8	1	0	75	1	24
Ellington Elementary School	31	0	10	1	0	152	2	31
Ford Elementary School	36	2	5	1	0	154	1	0
Fort Johnson Middle School	34	1	13	1	0	170	3	6
Frison Elementary School	17	0	4	1	0	103	1	12
Garrett Academy of Technology	66	1	27	1	17	505	1	0
Goodwin Elementary School	38	8	10	1	0	255	1	46
Harbor View Elementary School	34	2	5	1	0	102	1	0
Haut Gap Middle School	27	2	2	1	0	28	2	27
Hughes Elementary School	26	0	8	1	0	63	1	26
Hunley Park Elementary School	31	0	8	1	2	102	1	0
Hursey Elementary School	25	2	9	1	0	147	1	15
James B. Edwards Elementary School	40	0	4	1	0	197	2	0
James Island Elementary School	35	0	9	1	1	224	2	0
James Island Middle School	32	0	7	1	1	128	3	0
Jane Edwards Elementary School	15	0	12	1	1	148	2	15
Jenkins Academy	19	0	15	0	0	113	1	0
Ladson Elementary School	50	10	8	1	0	227	1	0
Laing Middle School	36	0	9	1	1	252	5	36
Lams Elementary School	32	0	7	1	0	145	2	0
Laurel Hill Primary	53	8	7	1	0	372	1	57
Liberty Hill Academy	18	0	21	1	0	90	1	0
Memminger Elementary School	13	8	4	1	0	67	1	0
Military Magnet Academy	44	0	17	1	0	317	5	44
Mitchell Elementary School	35	0	2	1	0	150	1	22
Montessori Community School	3	8	2	0	1	53	1	0
Moore Elementary School	47	4	4	1	1	174	2	0
Morningside Middle Campus for ARMS/Excel Acad	42	8	15	1	0	234	4	47
Moultrie Middle School	53	0	15	1	0	328	4	53
Mount Pleasant Academy	35	0	12	1	0	173	2	35
Mount Zion Elementary School	14	5	4	1	0	100	1	0
Murray-LaSaine Elementary School	28	0	6	1	0	124	1	28
North Charleston Creative Arts Elementary School	0	8	1	0	0	24	0	0
North Charleston Elementary School	39	0	4	1	0	180	1	39
North Charleston High School	66	0	39	1	1	597	8	66
Oakland Elementary School	38	0	9	1	0	158	2	0
Pepperhill Elementary School	37	2	5	1	0	48	52	37
Pinehurst Elementary School	30	8	10	1	0	144	1	38
Sanders-Clyde Elementary School	25	0	15	1	0	6	2	0
Simons Elementary School	16	7	7	1	15	91	1	16
Springfield Elementary School	37	5	4	1	0	210	2	42
St. Andrew's School of Math and Science	31	14	5	1	10	171	1	0
St. James-Santee Elementary School	30	0	5	1	0	129	1	30
St. Johns High School	32	0	12	1	0	55	5	32
Stall High School	75	0	35	1	0	452	16	75
Stiles Point Elementary School	38	0	7	1	0	216	2	0

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Non-instructional Computer Count:		
	Windows PC	Mac PC	Other
Academic Magnet High School	13	0	0
Angel Oak Elementary School	6	0	0
Ashley River Creative Arts Elementary School	17	0	0
Baptist Hill High School	12	0	0
Belle Hall Elementary School	10	0	0
Blaney Elementary School	5	0	0
Buist Academy	12	0	0
Burke High School	37	3	0
Burns Elementary School	4	0	0
Carlo Middle School	20	0	0
Charles Pinckney Elementary School	10	0	0
Charleston County School District Central Offices	767	2	0
Charleston Progressive Academy	18	0	0
Charleston School of the Arts	30	0	0
Chicora Elementary School	12	0	0
Clark Academy	19	0	0
Corcoran Elementary School	112	0	0
Drayton Hall Elementary School	15	0	0
Dunston Elementary School	29	0	0
Ellington Elementary School	9	0	0
Ford Elementary School	15	0	0
Fort Johnson Middle School	14	0	0
Frierson Elementary School	4	0	0
Garrett Academy of Technology	38	1	0
Goodwin Elementary School	7	0	0
Harbor View Elementary School	7	0	0
Haut Gap Middle School	20	0	0
Hughes Elementary School	5	0	0
Hunley Park Elementary School	6	0	0
Hursey Elementary School	10	0	0
James B. Edwards Elementary School	5	0	0
James Island Elementary School	12	0	0
James Island Middle School	9	0	0
Jane Edwards Elementary School	5	0	0
Jenkins Academy	17	0	0
Ladson Elementary School	12	0	0
Laing Middle School	19	0	0
Lamb's Elementary School	8	0	0
Laurel Hill Primary	17	0	2
Liberty Hill Academy	27	1	0
Memminger Elementary School	10	0	0
Military Magnet Academy	28	0	0
Mitchell Elementary School	8	0	0
Montessori Community School	4	0	0
Moore Elementary School	0	0	0
Morningside Middle Campus for ARMS/Excel Acad	26	0	0
Moultrie Middle School	14	0	1
Mount Pleasant Academy	8	0	0
Mount Zion Elementary School	4	0	0
Murray-LaSaine Elementary School	35	0	0
North Charleston Creative Arts Elementary School	2	0	0
North Charleston Elementary School	4	0	0
North Charleston High School	66	0	0
Oakland Elementary School	12	0	0
Pepperhill Elementary School	12	0	0
Pinehurst Elementary School	10	2	0
Sanders-Clyde Elementary School	14	0	0
Simons Elementary School	12	0	0
Springfield Elementary School	8	1	0
St. Andrew's School of Math and Science	7	0	0
St. James-Santee Elementary School	4	0	0
St. Johns High School	28	0	0
Stall High School	35	0	0
Stiles Point Elementary School	19	0	0

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Instructional Computer Count:		
	Windows PC	Mac PC	Other
Academic Magnet High School	300	0	0
Angel Oak Elementary School	143	0	0
Ashley River Creative Arts Elementary School	170	1	30
Baptist Hill High School	164	0	0
Belle Hall Elementary School	139	0	0
Blaney Elementary School	20	0	0
Buist Academy	108	0	0
Burke High School	674	0	0
Burns Elementary School	123	0	0
Carlo Middle School	353	0	0
Charles Pinckney Elementary School	253	0	66
Charleston County School District Central Offices	105	0	0
Charleston Progressive Academy	144	0	0
Charleston School of the Arts	532	63	0
Chicora Elementary School	115	0	0
Clark Academy	63	0	0
Corcoran Elementary School	42	0	0
Drayton Hall Elementary School	152	0	0
Dunston Elementary School	75	0	0
Ellington Elementary School	143	0	0
Ford Elementary School	125	0	0
Fort Johnson Middle School	155	0	0
Frierson Elementary School	52	0	0
Garrett Academy of Technology	499	17	0
Goodwin Elementary School	255	0	150
Harbor View Elementary School	116	0	0
Haut Gap Middle School	55	0	0
Hughes Elementary School	105	0	0
Hunley Park Elementary School	83	0	0
Hursey Elementary School	135	0	0
James B. Edwards Elementary School	197	0	0
James Island Elementary School	212	0	0
James Island Middle School	123	0	0
Jane Edwards Elementary School	143	0	0
Jenkins Academy	91	0	0
Ladson Elementary School	215	0	0
Laing Middle School	247	0	0
Lamb Elementary School	120	0	0
Laurel Hill Primary	355	0	2
Liberty Hill Academy	60	0	0
Memminger Elementary School	90	0	0
Military Magnet Academy	354	0	0
Mitchell Elementary School	150	0	0
Montessori Community School	52	0	0
Moore Elementary School	165	1	0
Morningside Middle Campus for ARMS/Excel Acade	155	0	0
Moultrie Middle School	312	0	0
Mount Pleasant Academy	148	0	0
Mount Zion Elementary School	100	0	0
Murray-LaSaine Elementary School	89	0	0
North Charleston Creative Arts Elementary School	14	0	0
North Charleston Elementary School	180	0	0
North Charleston High School	523	0	0
Oakland Elementary School	146	0	0
Pepperhill Elementary School	89	0	0
Pinehurst Elementary School	144	0	0
Sanders-Clyde Elementary School	158	0	0
Simons Elementary School	66	0	0
Springfield Elementary School	255	0	0
St. Andrew's School of Math and Science	164	0	0
St. James-Santee Elementary School	125	0	0
St. Johns High School	331	0	0
Stall High School	481	0	0
Stiles Point Elementary School	198	0	0

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Multi-purpose Computer Count:		
	Windows PC	Mac PC	Other
Academic Magnet High School	33	0	0
Angel Oak Elementary School	143	0	0
Ashley River Creative Arts Elementary School	0	0	0
Baptist Hill High School	15	0	0
Belle Hall Elementary School	0	0	0
Blaney Elementary School	2	0	0
Buist Academy	15	0	0
Burke High School	0	0	0
Burns Elementary School	4	0	0
Carlo Middle School	0	0	0
Charles Pinckney Elementary School	0	0	0
Charleston County School District Central Offices	73	0	0
Charleston Progressive Academy	25	0	0
Charleston School of the Arts	0	0	0
Chicora Elementary School	0	0	0
Clark Academy	18	0	0
Corcoran Elementary School	0	0	0
Drayton Hall Elementary School	0	0	0
Dunston Elementary School	0	0	0
Ellington Elementary School	0	0	0
Ford Elementary School	14	0	0
Fort Johnson Middle School	0	0	0
Frierson Elementary School	5	0	0
Garrett Academy of Technology	0	0	0
Goodwin Elementary School	0	0	0
Harbor View Elementary School	0	0	0
Haut Gap Middle School	2	0	0
Hughes Elementary School	0	0	0
Hunley Park Elementary School	0	0	0
Hursey Elementary School	2	0	0
James B. Edwards Elementary School	0	0	0
James Island Elementary School	0	0	0
James Island Middle School	2	0	0
Jane Edwards Elementary School	0	0	0
Jenkins Academy	5	0	0
Ladson Elementary School	0	0	0
Laing Middle School	0	0	0
Lamb Elementary School	17	0	0
Laurel Hill Primary	0	0	0
Liberty Hill Academy	14	0	0
Memminger Elementary School	0	0	0
Military Magnet Academy	0	0	0
Mitchell Elementary School	0	0	0
Montessori Community School	0	0	0
Moore Elementary School	0	0	0
Morningside Middle Campus for ARMS/Excel Acade	0	0	0
Moultrie Middle School	4	0	0
Mount Pleasant Academy	35	0	0
Mount Zion Elementary School	0	0	0
Murray-LaSaine Elementary School	0	0	0
North Charleston Creative Arts Elementary School	8	0	0
North Charleston Elementary School	0	0	0
North Charleston High School	5	0	0
Oakland Elementary School	0	0	0
Pepperhill Elementary School	0	0	0
Pinehurst Elementary School	0	0	0
Sanders-Clyde Elementary School	5	0	0
Simons Elementary School	30	0	0
Springfield Elementary School	0	0	0
St. Andrew's School of Math and Science	0	0	0
St. James-Santee Elementary School	0	0	0
St. Johns High School	41	0	0
Stall High School	71	0	0
Stiles Point Elementary School	0	0	0

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Number of portable devices:			Total # Other Teacher-use Portable Devices
	Total # Portable Devices In Use	Total # Teacher-use Laptops	Total # Teacher-use Tablets	
Academic Magnet High School	71	41	0	0
Angel Oak Elementary School	55	31	31	5
Ashley River Creative Arts Elementary School	100	37	30	0
Baptist Hill High School	35	35	0	0
Belle Hall Elementary School	0	43	0	0
Blaney Elementary School	0	12	0	0
Buist Academy	64	31	0	0
Burke High School	171	71	71	71
Burns Elementary School	66	29	7	0
Carlo Middle School	0	82	0	0
Charles Pinckney Elementary School	0	60	2	0
Charleston County School District Central Offices	126	25	0	0
Charleston Progressive Academy	29	25	0	0
Charleston School of the Arts	13	78	0	0
Chicora Elementary School	0	55	0	0
Clark Academy	0	18	0	0
Corcoran Elementary School	44	42	0	0
Drayton Hall Elementary School	997	45	0	65
Dunston Elementary School	27	27	0	1
Ellington Elementary School	28	23	0	0
Ford Elementary School	123	41	9	43
Fort Johnson Middle School	37	34	0	0
Frierson Elementary School	0	16	0	0
Garrett Academy of Technology	152	62	0	0
Goodwin Elementary School	249	67	2	0
Harbor View Elementary School	45	36	0	0
Haut Gap Middle School	0	25	27	0
Hughes Elementary School	0	12	0	0
Hunley Park Elementary School	52	32	0	0
Hursey Elementary School	37	32	0	0
James B. Edwards Elementary School	37	34	0	0
James Island Elementary School	0	39	0	0
James Island Middle School	0	30	0	0
Jane Edwards Elementary School	28	23	0	0
Jenkins Academy	11	17	0	0
Ladson Elementary School	54	52	0	0
Laing Middle School	72	34	7	0
Lams Elementary School	47	39	0	0
Laurel Hill Primary	83	81	0	0
Liberty Hill Academy	35	34	0	0
Memminger Elementary School	0	30	0	0
Military Magnet Academy	49	39	0	0
Mitchell Elementary School	30	30	0	0
Montessori Community School	0	17	0	0
Moore Elementary School	0	50	0	0
Morningside Middle Campus for ARMS/Excel Acade	79	48	0	0
Moultrie Middle School	60	54	0	0
Mount Pleasant Academy	56	38	0	0
Mount Zion Elementary School	22	22	0	0
Murray-LaSaine Elementary School	57	27	0	0
North Charleston Creative Arts Elementary School	9	8	0	0
North Charleston Elementary School	60	50	0	0
North Charleston High School	0	57	0	0
Oakland Elementary School	36	36	0	0
Pepperhill Elementary School	2	42	0	0
Pinehurst Elementary School	39	33	0	0
Sanders-Clyde Elementary School		41	6	
Simons Elementary School	64	29	29	0
Springfield Elementary School	110	45	0	10
St. Andrew's School of Math and Science	58	57	0	0
St. James-Santee Elementary School	52	25	0	2
St. Johns High School	370	38	0	32
Stall High School	1132	71	91	0
Stiles Point Elementary School	50	42	0	0

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Total # Student-use Laptops	Total # Student-use Tablets	Total # Other Student-use Portable Devices	# Instructionally Shared Portable Devices	# Non-Instructional use Portable Devices
Academic Magnet High School	30	0	0	0	1
Angel Oak Elementary School	24	180	0	0	7
Ashley River Creative Arts Elementary School	30	30	0	0	0
Baptist Hill High School	15	0	15	0	0
Belle Hall Elementary School	0	0	0	0	0
Blaney Elementary School	0	0	0	0	0
Buist Academy	31	0	0	0	3
Burke High School	584	584	584	0	15
Burns Elementary School	29	53	0	8	2
Carlo Middle School	20	0	0	0	4
Charles Pinckney Elementary School	0	64	0	0	0
Charleston County School District Central Offices	0	0	0	0	101
Charleston Progressive Academy	0	0	0	0	4
Charleston School of the Arts	0	0	13	0	0
Chicora Elementary School	30	0	0	0	0
Clark Academy	0	0	0	0	0
Corcoran Elementary School	0	0	0	0	2
Drayton Hall Elementary School	30	0	853	0	2
Dunston Elementary School	0	0	0	0	3
Ellington Elementary School	5	0	0	5	0
Ford Elementary School	30	0	0	0	2
Fort Johnson Middle School	0	0	0	0	3
Frierson Elementary School	0	0	0	0	0
Garrett Academy of Technology	11	0	0	0	0
Goodwin Elementary School	30	150	0	0	0
Harbor View Elementary School	0	0	0	7	2
Haut Gap Middle School	25	438	0	0	0
Hughes Elementary School	0	0	0	0	0
Hunley Park Elementary School	32	0	0	0	3
Hursey Elementary School	30	0	0	0	2
James B. Edwards Elementary School	0	0	0	0	0
James Island Elementary School	0	0	0	0	0
James Island Middle School	0	0	0	0	5
Jane Edwards Elementary School	0	0	0	0	1
Jenkins Academy	0	0	0	0	0
Ladson Elementary School	0	0	0	0	0
Laing Middle School	10	9	0	0	5
Lamb Elementary School	5	0	0	0	3
Laurel Hill Primary	0	2	0	0	2
Liberty Hill Academy	0	0	0	0	1
Memminger Elementary School	0	0	0	0	0
Military Magnet Academy	0	0	0	0	10
Mitchell Elementary School	30	0	0	0	0
Montessori Community School	4	0	0	0	0
Moore Elementary School	0	0	0	0	3
Morningside Middle Campus for ARMS/Excel Acade	29	0	0	0	2
Moultrie Middle School	0	0	0	0	6
Mount Pleasant Academy	16	0	0	0	2
Mount Zion Elementary School	0	0	0	0	0
Murray-LaSaine Elementary School	15	0	0	0	1
North Charleston Creative Arts Elementary School	0	0	0	0	1
North Charleston Elementary School	10	0	0	0	0
North Charleston High School	0	0	0	0	15
Oakland Elementary School	0	0	0	0	0
Pepperhill Elementary School	30	0	0	0	2
Pinehurst Elementary School	0	0	0	0	2
Sanders-Clyde Elementary School	2	0	0	0	4
Simons Elementary School	0	0	0	30	6
Springfield Elementary School	30	0	22	0	3
St. Andrew's School of Math and Science	0	0	0	0	1
St. James-Santee Elementary School	25	0	0	0	2
St. Johns High School	0	0	300	0	9
Stall High School	0	970	0	0	8
Stiles Point Elementary School	0	0	0	0	8

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Number of office computers by age:					Greater than 5
	< 1 Year Old	1 to 2 Years Old	2 to 3 Years Old	3 to 4 Years Old	4 to 5 Years Old	Years Old
Academic Magnet High School	0	14	1	0	0	0
Angel Oak Elementary School	4	4	4	4	4	4
Ashley River Creative Arts Elementary School	0	0	0	7	0	0
Baptist Hill High School	0	0	10	0	0	0
Belle Hall Elementary School	0	0	2	7	1	0
Blaney Elementary School	0	0	0	0	0	5
Buist Academy	0	0	0	1	5	2
Burke High School	0	44	0	0	0	0
Burns Elementary School	0	0	1	2	0	2
Carlo Middle School	0	1	7	12	0	0
Charles Pinckney Elementary School	1	3	6	0	0	3
Charleston County School District Central Offices	241	241	241	1	0	17
Charleston Progressive Academy	0	1	3	12	0	0
Charleston School of the Arts	0	0	20	0	0	0
Chicora Elementary School	0	0	0	3	0	0
Clark Academy	0	0	1	3	1	10
Corcoran Elementary School	1	0	0	42	2	2
Drayton Hall Elementary School	0	0	0	5	0	5
Dunston Elementary School	0	4	0	0	0	0
Ellington Elementary School	0	9	4	0	0	0
Ford Elementary School	0	5	5	3	0	0
Fort Johnson Middle School	0	5	2	2	2	3
Frierson Elementary School	0	2	2	0	0	0
Garrett Academy of Technology	0	30	0	9	0	0
Goodwin Elementary School	5	0	0	0	0	0
Harbor View Elementary School	0	0	5	0	0	0
Haut Gap Middle School	0	0	11	0	0	0
Hughes Elementary School	0	1	2	1	1	0
Hunley Park Elementary School	0	4	4	0	0	1
Hursey Elementary School	0	1	0	4	1	4
James B. Edwards Elementary School	0	0	0	5	0	0
James Island Elementary School	0	4	0	0	0	2
James Island Middle School	0	0	0	9	0	0
Jane Edwards Elementary School	0	0	0	3	1	0
Jenkins Academy	0	0	0	0	17	0
Ladson Elementary School	0	0	4	1	3	3
Laing Middle School	0	0	7	2	0	3
Lams Elementary School	0	0	4	0	0	0
Laurel Hill Primary	0	0	10	2	0	9
Liberty Hill Academy	0	0	0	27	0	0
Memminger Elementary School	0	0	12	0	0	0
Military Magnet Academy	5	0	0	2	0	4
Mitchell Elementary School	0	4	0	2	0	0
Montessori Community School	0	0	0	3	1	0
Moore Elementary School	0	3	1	2	0	3
Morningside Middle Campus for ARMS/Excel Acade	0	2	8	0	0	1
Moultrie Middle School	0	0	1	13	0	0
Mount Pleasant Academy	0	0	0	7	0	1
Mount Zion Elementary School	0	0	0	4	0	0
Murray-LaSaine Elementary School	0	0	0	3	0	0
North Charleston Creative Arts Elementary School	0	0	1	1	0	0
North Charleston Elementary School	0	0	0	3	0	1
North Charleston High School	4	54	2	2	2	0
Oakland Elementary School	0	12	0	0	0	0
Pepperhill Elementary School	0	0	2	3	0	0
Pinehurst Elementary School	0	0	0	33	0	0
Sanders-Clyde Elementary School	0	0	14	0	0	0
Simons Elementary School	0	0	5	3	0	0
Springfield Elementary School	0	3	4	0	0	0
St. Andrew's School of Math and Science	0	0	1	3	0	3
St. James-Santee Elementary School	0	0	12	0	0	0
St. Johns High School	0	0	9	8	0	0
Stall High School	0	35	0	0	0	0
Stiles Point Elementary School	0	15	0	0	0	0

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Number of classroom computers by age:					
	<1 Year Old	1 to 2 Years Old2	2 to 3 Years Old2	3 to 4 Years Old2	4 to 5 Years Old2	> 5 Years Old2
Academic Magnet High School	0	111	0	0	0	0
Angel Oak Elementary School	120	120	120	120	120	120
Ashley River Creative Arts Elementary School	0	0	35	174	0	0
Baptist Hill High School	38	25	60	0	0	0
Belle Hall Elementary School	0	0	0	97	1	0
Blaney Elementary School	0	0	0	0	0	36
Buist Academy	1	0	0	59	5	38
Burke High School	0	40	0	0	252	0
Burns Elementary School	0	60	3	0	1	0
Carlo Middle School	0	0	0	10	5	126
Charles Pinckney Elementary School	1	54	61	49	0	0
Charleston County School District Central Offices	1	0	30	31	39	0
Charleston Progressive Academy	0	1	8	42	0	52
Charleston School of the Arts	0	0	290	0	0	0
Chicora Elementary School	4	1	29	6	20	50
Clark Academy	0	0	1	19	1	6
Corcoran Elementary School	0	0	0	1	5	61
Drayton Hall Elementary School	0	0	0	0	0	85
Dunston Elementary School	0	32	23	0	0	0
Ellington Elementary School	0	67	60	0	0	0
Ford Elementary School	4	0	1	17	6	52
Fort Johnson Middle School	0	1	29	0	0	25
Frierson Elementary School	0	0	0	4	2	37
Garrett Academy of Technology	0	0	295	129	0	0
Goodwin Elementary School	0	0	0	25	0	230
Harbor View Elementary School	0	51	10	17	0	0
Haut Gap Middle School	0	0	42	0	0	0
Hughes Elementary School	0	0	0	0	49	0
Hunley Park Elementary School	0	3	35	1	2	53
Hursey Elementary School	0	4	2	4	11	31
James B. Edwards Elementary School	0	0	0	50	20	10
James Island Elementary School	0	34	0	0	0	161
James Island Middle School	0	0	0	23	0	0
Jane Edwards Elementary School	67	0	0	60	0	0
Jenkins Academy	0	0	23	17	39	0
Ladson Elementary School	0	3	4	82	55	72
Laing Middle School	14	7	21	2	0	8
Lamb Elementary School	0	0	40	7	10	25
Laurel Hill Primary	2	66	3	0	11	221
Liberty Hill Academy	0	0	0	60	0	0
Memminger Elementary School	6	0	78	0	0	0
Military Magnet Academy	0	0	43	99	0	10
Mitchell Elementary School	0	0	20	100	0	0
Montessori Community School	7	0	0	21	0	0
Moore Elementary School	0	10	2	44	13	28
Morningside Middle Campus for ARMS/Excel Acade	0	8	29	35	15	19
Moultrie Middle School	0	0	1	186	0	0
Mount Pleasant Academy	0	0	12	68	0	0
Mount Zion Elementary School	0	0	0	10	0	25
Murray-LaSaine Elementary School	0	0	0	1	8	22
North Charleston Creative Arts Elementary School	1	0	7	14	0	0
North Charleston Elementary School	0	0	0	0	0	90
North Charleston High School	64	233	0	0	0	0
Oakland Elementary School	0	76	0	0	0	0
Pepperhill Elementary School	0	0	0	0	0	54
Pinehurst Elementary School	0	0	0	144	0	0
Sanders-Clyde Elementary School	0	0	62	32	0	0
Simons Elementary School	0	17	1	44	0	0
Springfield Elementary School	30	115	0	30	0	0
St. Andrew's School of Math and Science	0	0	51	8	13	37
St. James-Santee Elementary School	0	0	62	20	0	0
St. Johns High School	25	50	50	15	0	0
Stall High School	0	173	0	0	0	0
Stiles Point Elementary School	0	119	0	0	0	0

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Number of Lab/computer Classroom Computers by Age:					
	<1 Year Old2	1 to 2 Years Old3	2 to 3 Years Old3	3 to 4 Years Old3	4 to 5 Years Old3	> 5 Years Old3
Academic Magnet High School	0	79	0	0	0	0
Angel Oak Elementary School	7	7	7	7	7	7
Ashley River Creative Arts Elementary School	0	0	31	31	0	0
Baptist Hill High School	38	25	0	0	0	0
Belle Hall Elementary School	0	0	0	30	0	0
Blaney Elementary School	0	0	0	0	1	0
Buist Academy	1	0	29	0	0	0
Burke High School	0	202	0	0	0	0
Burns Elementary School	0	30	30	0	0	0
Carlo Middle School	0	0	26	30	82	0
Charles Pinckney Elementary School	32	32	0	0	0	0
Charleston County School District Central Offices	0	0	0	45	0	0
Charleston Progressive Academy	0	0	0	54	0	0
Charleston School of the Arts	0	0	282	0	0	0
Chicora Elementary School	0	0	0	30	0	0
Clark Academy	0	0	14	15	1	23
Corcoran Elementary School	0	0	30	0	0	0
Drayton Hall Elementary School	0	0	0	60	0	0
Dunston Elementary School	0	29	0	0	0	0
Ellington Elementary School	0	61	30	0	0	0
Ford Elementary School	0	25	0	0	0	0
Fort Johnson Middle School	0	28	52	0	0	0
Frierson Elementary School	0	0	30	0	0	0
Garrett Academy of Technology	0	31	10	0	0	0
Goodwin Elementary School	0	0	0	28	0	0
Harbor View Elementary School	0	0	0	31	0	0
Haut Gap Middle School	0	0	3	0	0	0
Hughes Elementary School	0	30	0	0	0	0
Hunley Park Elementary School	0	0	30	0	0	0
Hursey Elementary School	0	0	30	0	0	0
James B. Edwards Elementary School	0	0	0	60	0	0
James Island Elementary School	30	30	0	0	0	0
James Island Middle School	0	28	58	0	0	0
Jane Edwards Elementary School	61	0	0	30	0	5
Jenkins Academy	0	0	0	0	17	0
Ladson Elementary School	0	0	0	28	2	0
Laing Middle School	0	61	56	31	0	0
Lamb's Elementary School	0	25	0	26	0	0
Laurel Hill Primary	0	1	0	29	0	1
Liberty Hill Academy	0	0	0	0	0	0
Memminger Elementary School	0	0	24	0	0	0
Military Magnet Academy	60	30	0	60	0	0
Mitchell Elementary School	0	0	30	0	0	0
Montessori Community School	0	0	0	21	0	0
Moore Elementary School	0	30	0	31	0	1
Morningside Middle Campus for ARMS/Excel Acade	0	49	1	54	0	1
Moultrie Middle School	0	0	0	104	0	0
Mount Pleasant Academy	0	0	0	62	0	0
Mount Zion Elementary School	0	0	0	25	0	0
Murray-LaSaine Elementary School	0	0	0	28	0	0
North Charleston Creative Arts Elementary School	0	0	0	0	0	0
North Charleston Elementary School	0	0	0	0	0	30
North Charleston High School	20	169	0	0	0	0
Oakland Elementary School	0	60	0	0	0	0
Pepperhill Elementary School	0	23	0	0	29	0
Pinehurst Elementary School	0	0	30	0	0	0
Sanders-Clyde Elementary School	0	0	36	14	0	0
Simons Elementary School	0	0	0	30	0	0
Springfield Elementary School	30	0	31	0	0	0
St. Andrew's School of Math and Science	0	0	0	32	0	1
St. James-Santee Elementary School	0	0	0	23	0	0
St. Johns High School	1	2	2	0	0	0
Stall High School	0	262	0	0	0	0
Stiles Point Elementary School	0	61	0	0	0	0

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Number of Library/Media Center computers by age:					
	<1 Year Old3	1 to 2 Years Old4	2 to 3 Years Old4	3 to 4 Years Old4	4 to 5 Years Old4	> 5 Years Old4
Academic Magnet High School	0	115	0	30	0	0
Angel Oak Elementary School	15	15	15	15	15	15
Ashley River Creative Arts Elementary School	0	0	0	15	0	0
Baptist Hill High School	0	0	10	0	0	0
Belle Hall Elementary School	0	0	0	12	0	0
Blaney Elementary School	0	0	0	0	0	4
Buist Academy	0	2	30	0	0	4
Burke High School	0	21	0	0	0	0
Burns Elementary School	0	46	0	0	0	0
Carlo Middle School	0	0	0	20	0	0
Charles Pinckney Elementary School	0	24	0	0	0	0
Charleston County School District Central Offices	0	0	0	0	0	0
Charleston Progressive Academy	0	0	1	14	0	0
Charleston School of the Arts	0	0	12	0	0	0
Chicora Elementary School	0	0	0	5	0	0
Clark Academy	0	0	0	0	1	1
Corcoran Elementary School	0	0	10	0	0	0
Drayton Hall Elementary School	0	0	0	20	0	0
Dunston Elementary School	0	5	0	0	0	0
Ellington Elementary School	0	15	0	0	0	0
Ford Elementary School	0	1	0	6	0	0
Fort Johnson Middle School	0	1	30	0	2	0
Frierson Elementary School	0	0	6	0	0	0
Garrett Academy of Technology	0	18	0	0	0	0
Goodwin Elementary School	0	0	0	8	0	0
Harbor View Elementary School	0	0	7	0	0	0
Haut Gap Middle School	0	0	14	0	0	0
Hughes Elementary School	0	10	0	4	0	0
Hunley Park Elementary School	0	0	6	0	0	0
Hursey Elementary School	0	1	8	0	0	2
James B. Edwards Elementary School	0	0	0	14	0	0
James Island Elementary School	0	0	10	0	0	0
James Island Middle School	0	0	8	1	1	0
Jane Edwards Elementary School	0	15	0	6	0	0
Jenkins Academy	0	0	0	0	0	0
Ladson Elementary School	0	0	0	10	2	0
Laing Middle School	0	0	17	7	4	1
Lams Elementary School	0	0	1	0	3	0
Laurel Hill Primary	0	4	14	0	0	1
Liberty Hill Academy	0	0	2	10	0	0
Memminger Elementary School	0	0	8	0	0	0
Military Magnet Academy	0	0	18	0	0	0
Mitchell Elementary School	0	8	0	12	0	0
Montessori Community School	0	0	0	0	0	0
Moore Elementary School	0	0	0	6	0	1
Morningside Middle Campus for ARMS/Excel Acade	0	0	0	0	10	0
Moultrie Middle School	0	0	0	25	0	0
Mount Pleasant Academy	0	0	16	5	0	1
Mount Zion Elementary School	0	0	0	4	0	0
Murray-LaSaine Elementary School	0	1	0	0	0	0
North Charleston Creative Arts Elementary School	0	0	0	0	0	0
North Charleston Elementary School	0	0	0	11	0	0
North Charleston High School	1	26	5	0	0	0
Oakland Elementary School	0	12	0	0	0	0
Pepperhill Elementary School	0	0	0	8	0	0
Pinehurst Elementary School	0	0	8	0	0	0
Sanders-Clyde Elementary School	0	0	5	5	0	0
Simons Elementary School	0	0	0	6	2	0
Springfield Elementary School	0	0	0	0	5	0
St. Andrew's School of Math and Science	0	1	8	5	0	4
St. James-Santee Elementary School	0	0	0	7	0	0
St. Johns High School	0	0	12	0	0	0
Stall High School	0	40	0	0	0	0
Stiles Point Elementary School	0	17	0	0	0	0

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Enter the demographic information for your location below:							
	# of Permanent Classrooms	# of Portable Classrooms	# of Administrative Offices	# of Library Media Centers	# Computers without Internet	# Computers with Internet	# of Computer Labs or Classrooms	# Classrooms with Wireless Connectivity
Stono Park Elementary School	13	7	2	1	0	4	1	30
Sullivan's Island Elementary School	25	2	10	1	7	120	1	0
Wando High School	175	28	13	1	10	1782	7	189
West Ashley High School	128	1	49	1	0	755	16	128
West Ashley Middle School	23	0	4	1	0	0	5	0
Whitesides Elementary School	51	0	27	1	0	180	3	51
Williams Middle School for Creative and Scientific Art	35	4	15	1	0	220	3	0
Zucker Middle School for Science	36	0	15	1	0	270	4	36
<b>Districtwide Totals:</b>	<b>2865</b>	<b>222</b>	<b>1026</b>	<b>68</b>	<b>146</b>	<b>15781</b>	<b>373</b>	<b>1619</b>

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Non-instructional Computer Count:			
	Windows PC	Mac PC	Other	
Stono Park Elementary School	10	0	0	0
Sullivan's Island Elementary School	0	0	0	0
Wando High School	80	12	0	0
West Ashley High School	39	0	0	0
West Ashley Middle School	14	0	0	0
Whitesides Elementary School	14	0	0	0
Williams Middle School for Creative and Scientific Ar	18	0	0	0
Zucker Middle School for Science	19	0	0	0
<b>Districtwide Totals:</b>	<b>1978</b>	<b>22</b>	<b>22</b>	<b>3</b>

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Instructional Computer Count:		
	Windows PC	Mac PC	Other
Stono Park Elementary School	85	0	0
Sullivan's Island Elementary School	7	0	0
Wando High School	1695	75	0
West Ashley High School	719	0	0
West Ashley Middle School	224	0	0
Whitesides Elementary School	178	0	0
Williams Middle School for Creative and Scientific Ar	202	0	0
Zucker Middle School for Science	251	0	0
<b>Districtwide Totals:</b>	<b>15011</b>	<b>157</b>	<b>248</b>

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Multi-purpose Computer Count:		
	Windows PC	Mac PC	Other
[REDACTED]	0	0	0
Stono Park Elementary School	0	0	0
Sullivan's Island Elementary School	0	0	0
Wando High School	0	0	0
West Ashley High School	0	0	0
West Ashley Middle School	0	0	0
Whitesides Elementary School	0	0	0
Williams Middle School for Creative and Scientific Ar	0	0	0
Zucker Middle School for Science	0	0	0
<b>Districtwide Totals:</b>	<b>588</b>	<b>0</b>	<b>0</b>

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Number of portable devices:			
	Total # Portable Devices In Use	Total # Teacher-use Laptops	Total # Teacher-use Tablets	Total # Other Teacher-use Portable Devices
Stono Park Elementary School	85	30	0	0
Sullivan's Island Elementary School	32	26	0	0
Wando High School	12	217	0	0
West Ashley High School	5	128	0	0
West Ashley Middle School	0	23	0	0
Whitesides Elementary School	45	43	0	0
Williams Middle School for Creative and Scientific Ar	46	40	0	0
Zucker Middle School for Science	0	31	0	0
<b>Districtwide Totals:</b>	<b>5454</b>	<b>3017</b>	<b>312</b>	<b>229</b>

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Total # Student-use Laptops	Total # Student-use Tablets	Total # Other Student-use Portable Devices	# Instructionally Shared Portable Devices	# Non-Instructional use Portable Devices
Stono Park Elementary School	0	0	0	30	10
Sullivan's Island Elementary School	0	0	0	5	1
Wando High School	0	0	0		12
West Ashley High School	0	0	0	0	5
West Ashley Middle School	0	0	0	0	4
Whitesides Elementary School	0	0	0	0	2
Williams Middle School for Creative and Scientific Ar	1	0	0	0	5
Zucker Middle School for Science	0	0	0	0	0
<b>Districtwide Totals:</b>	<b>1193</b>	<b>2480</b>	<b>1772</b>	<b>80</b>	<b>298</b>

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Number of office computers by age:					
	< 1 Year Old	1 to 2 Years Old	2 to 3 Years Old	3 to 4 Years Old	4 to 5 Years Old	Greater than 5 Years Old
Stono Park Elementary School	0	0	0	3	0	0
Sullivan's Island Elementary School	0	3	0	0	0	0
Wando High School	0	0	80	0	0	0
West Ashley High School	0	0	9	2	26	2
West Ashley Middle School	0	8	6	0	0	0
Whitesides Elementary School	0	0	12	0	0	0
Williams Middle School for Creative and Scientific Ar	0	8	4	2	0	4
Zucker Middle School for Science	0	0	19	0	0	0
<b>Districtwide Totals:</b>	<b>261</b>	<b>520</b>	<b>559</b>	<b>268</b>	<b>84</b>	<b>77</b>

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Number of classroom computers by age:					
	<1 Year Old	1 to 2 Years Old2	2 to 3 Years Old2	3 to 4 Years Old2	4 to 5 Years Old2	> 5 Years Old2
Stono Park Elementary School	1	0	84	0	0	0
Sullivan's Island Elementary School	0	3	0	0	0	0
Wando High School	0	0	0	2	0	800
West Ashley High School	0	0	40	0	30	90
West Ashley Middle School	0	31	36	0	12	0
Whitesides Elementary School	0	0	76	0	0	0
Williams Middle School for Creative and Scientific Ar	0	0	28	37	0	31
Zucker Middle School for Science	0	0	110	0	0	0
<b>Districtwide Totals:</b>	<b>386</b>	<b>1515</b>	<b>2017</b>	<b>2018</b>	<b>745</b>	<b>2705</b>

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Number of Lab/computer Classroom Computers by Age:					
	<1 Year Old2	1 to 2 Years Old3	2 to 3 Years Old3	3 to 4 Years Old3	4 to 5 Years Old3	> 5 Years Old3
Stono Park Elementary School	0	30	0	0	0	0
Sullivan's Island Elementary School	0	0	2	0	0	0
Wando High School	75	63	101	79	96	0
West Ashley High School	0	25	179	110	50	25
West Ashley Middle School	0	61	48	25	0	0
Whitesides Elementary School	0	0	86	0	0	0
Williams Middle School for Creative and Scientific Ar	0	60	0	31	0	0
Zucker Middle School for Science	0	0	120	0	0	0
<b>Districtwide Totals:</b>	<b>355</b>	<b>1649</b>	<b>1438</b>	<b>1294</b>	<b>285</b>	<b>94</b>

# Attachment 1B - Technology Counts 2012

CCSD 2015 - 2018

School Name	Number of Library/Media Center computers by age:					
	<1 Year Old <sup>3</sup>	1 to 2 Years Old <sup>4</sup>	2 to 3 Years Old <sup>4</sup>	3 to 4 Years Old <sup>4</sup>	4 to 5 Years Old <sup>4</sup>	> 5 Years Old <sup>4</sup>
Stono Park Elementary School	1	3	0	0	0	0
Sullivan's Island Elementary School	0	1	0	0	0	0
Wando High School	0	0	75	0	0	0
West Ashley High School	0	0	49	0	0	0
West Ashley Middle School	0	0	10	0	0	0
Whitesides Elementary School	0	0	15	0	0	0
Williams Middle School for Creative and Scientific Ar	0	0	1	16	0	0
Zucker Middle School for Science	0	0	18	0	0	0
<b>Districtwide Totals:</b>	<b>17</b>	<b>402</b>	<b>461</b>	<b>295</b>	<b>45</b>	<b>34</b>

# Attachment 1C - Infrastructure Condition Assessment 2015

CCSD 2015 - 2018

RATING	LAN CABLING	LAN TR CAPACITY	PHONE SYSTEMS	PA	NETWORK	WIRELESS	SERVERS	VIDEO	SOUND	DIGITAL SIGNAGE
<b>Excellent C1</b>	67	39	67	77	34	53	29	11	75	26
<b>Good C2</b>	13	13	0	1	37	18	18	51	0	1
<b>Warning C3</b>	0	13	6	1	6	8	18	6	1	0
<b>Failing C4</b>	1	16	8	1	5	3	14	10	0	0
<b>Not Rated</b>	2	2	2	3	1	1	4	5	7	56
Location/School	LAN CABLING	LAN TR CAPACITY	PHONE SYSTEMS	PA	NETWORK	WIRELESS	SERVERS	VIDEO	SOUND	DIGITAL SIGNAGE
(Wando South Campus)	●	●	●	●	●	●	●	●	●	
Academic Magnet HS @ CAA	●	●	●	●	●	●	●	●	●	
Angel Oak ES	●	●	●	●	●	●	●	●	●	
Ashley River Creative Arts	●	●	●	●	●	●	●	●	●	
Baptist Hill HS	●	●	●	●	●	●	●	●	●	●
Belle Hall ES	●	●	●	●	●	●	●	●	●	
Blaney, C.C., ES	●	●	●	●	●	●	●	●	●	
Bridge View Drive Headquarters	●	●	●	●	●	●	●	●	●	●
Buist Academy	●	●	●	●	●	●	●	●	●	●
Burke MS/HS	●	●	●	●	●	●	●	●	●	
Burns, E. A., ES	●	●	●	●	●	●	●	●	●	
Carlo, Thomas C., MS	●	●	●	●	●	●	●	●	●	●
Charleston Progressive Academy	●	●	●	●	●	●	●	●	●	●
Chicora ES (McNair campus)	●	●	●	●	●	●	●	●	●	
Clark, Septima P., Academy	●	●	●	●	●	●	●	●	●	●
Corcoran, A. C., ES	●	●	●	●	●	●	●	●	●	
Drayton Hall ES	●	●	●	●	●	●	●	●	●	
Dunston, Matilda, ES	●	●	●	●	●	●	●	●	●	
East Cooper Montessori	●	●	●	●	●	●	●	●	●	
Edwards, James B., ES	●	●	●	●	●	●	●	●	●	
Edwards, Jane, ES	●	●	●	●	●	●	●	●	●	
Ellington, E. B., ES	●	●	●	●	●	●	●	●	●	
Ford, Mary, ES	●	●	●	●	●	●	●	●	●	
Frierson, Edith, ES	●	●	●	●	●	●	●	●	●	
Ft. Johnson MS	●	●	●	●	●	●	●	●	●	●
Garrett Academy	●	●	●	●	●	●	●	●	●	●
Goodwin, W. B., ES	●	●	●	●	●	●	●	●	●	
Harbor View ES	●	●	●	●	●	●	●	●	●	●
Haut Gap MS	●	●	●	●	●	●	●	●	●	
Headquarters Calhoun Street	●	●	●	●	●	●	●	●	●	
Hughes, Minnie, ES	●	●	●	●	●	●	●	●	●	
Hunley Park ES	●	●	●	●	●	●	●	●	●	
Hursey, Malcolm C., ES	●	●	●	●	●	●	●	●	●	
James Island ES	●	●	●	●	●	●	●	●	●	
James Island MS	●	●	●	●	●	●	●	●	●	●
Jenkins, Daniel, Academy	●	●	●	●	●	●	●	●	●	●
Ladson ES	●	●	●	●	●	●	●	●	●	
Laing MS	●	●	●	●	●	●	●	●	●	●
Lambs ES	●	●	●	●	●	●	●	●	●	
Laurel Hill Primary Sch.	●	●	●	●	●	●	●	●	●	
Liberty Hill Academy	●	●	●	●	●	●	●	●	●	●
Lincoln HS	●	●	●	●	●	●	●	●	●	
Meeting Street ES (Brentwood Campus)	●	●	●	●	●	●	●	●	●	
Memminger ES	●	●	●	●	●	●	●	●	●	●
Midland Park PS	●	●	●	●	●	●	●	●	●	
Military Magnet	●	●	●	●	●	●	●	●	●	
Mitchell, Julian, ES	●	●	●	●	●	●	●	●	●	
Montessori School of Charleston	●	●	●	●	●	●	●	●	●	●
Moore, Jennie, ES	●	●	●	●	●	●	●	●	●	●
Morningside MS	●	●	●	●	●	●	●	●	●	●
Moultrie MS	●	●	●	●	●	●	●	●	●	●
Mt. Pleasant Academy	●	●	●	●	●	●	●	●	●	
Mt. Zion ES	●	●	●	●	●	●	●	●	●	
Murray-LaSaine ES	●	●	●	●	●	●	●	●	●	
North Charleston Creative Arts ES	●	●	●	●	●	●	●	●	●	
North Charleston ES	●	●	●	●	●	●	●	●	●	
North Charleston HS	●	●	●	●	●	●	●	●	●	●
Northwoods MS	●	●	●	●	●	●	●	●	●	●
Oakland ES	●	●	●	●	●	●	●	●	●	
Pepperhill ES	●	●	●	●	●	●	●	●	●	
Pinckney, Charles, ES	●	●	●	●	●	●	●	●	●	
Pinehurst ES	●	●	●	●	●	●	●	●	●	

# Attachment 1C - Infrastructure Condition Assessment 2015

CCSD 2015 - 2018

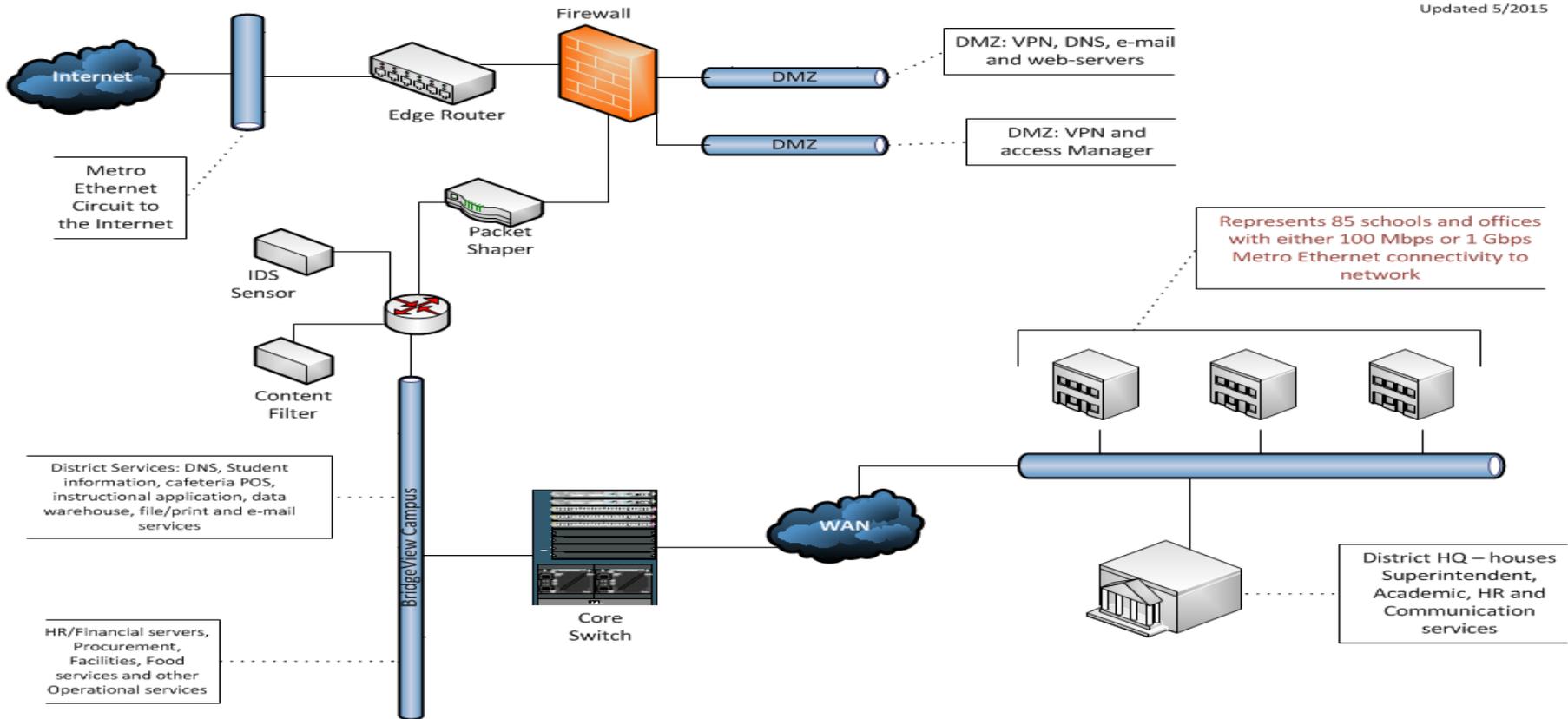
RATING	LAN CABLING	LAN TR CAPACITY	PHONE SYSTEMS	PA	NETWORK	WIRELESS	SERVERS	VIDEO	SOUND	DIGITAL SIGNAGE
<b>Excellent C1</b>	67	39	67	77	34	53	29	11	75	26
<b>Good C2</b>	13	13	0	1	37	18	18	51	0	1
<b>Warning C3</b>	0	13	6	1	6	8	18	6	1	0
<b>Failing C4</b>	1	16	8	1	5	3	14	10	0	0
<b>Not Rated</b>	2	2	2	3	1	1	4	5	7	56
Location/School	LAN CABLING	LAN TR CAPACITY	PHONE SYSTEMS	PA	NETWORK	WIRELESS	SERVERS	VIDEO	SOUND	DIGITAL SIGNAGE
Sanders-Clyde ES	●	●	●	●	●	●	●	●	●	
School of the Arts @ CAA	●	●	●	●	●	●	●	●	●	
Simons, James	●	●	●	●	●	●	●	●	●	●
Springfield ES	●	●	●	●	●	●	●	●	●	
St Johns HS	●	●	●	●	●	●	●	●	●	●
St. Andrews ES (Oakland Swing Space)	●	●	●	●	●	●	●	●	●	
Wappoo Road Headquarters	●	●	●	●	●	●	●	●	●	●
St. James/Santee ES	●	●	●	●	●	●	●	●	●	
Stall, R. B., HS	●	●	●	●	●	●	●	●	●	
Stiles Point ES	●	●	●	●	●	●	●	●	●	
Stono Park ES	●	●	●	●	●	●	●	●	●	
Sullivan's Island ES	●	●	●	●	●	●	●	●	●	●
Summit Program @ Headquarters Rd.	●	●	●	●	●	●	●	●	●	
Wando CAS	●	●	●	●	●	●	●	●	●	
Wando HS	●	●	●	●	●	●	●	●	●	
West Ashley HS	●	●	●	●	●	●	●	●	●	
West Ashley MS	●	●	●	●	●	●	●	●	●	●
Whitesides, Mamie P., ES	●	●	●	●	●	●	●	●	●	
Williams, C. E., MS	●	●	●	●	●	●	●	●	●	●
Zucker, Jerry, MS	●	●	●	●	●	●	●	●	●	

# Attachment 2 Network Diagram

## High Level Network Diagram

Additional routers, servers and switches exist at each location

Updated 5/2015



## Attachment 3

### CCSD Policy GBEBD

### Acceptable Use of Technology

#### Policy GBEBD Acceptable Use of Technology

Issued 9/10

**Purpose:** To establish the board's vision and the basic structure for the acceptable use of technology resources in Charleston County School District.

#### Acceptable use

It is the policy of Charleston County School District that use of district information technology shall be lawful and ethical, shall be for district educational or business purposes, shall conform to district technology and security standards, and shall comply with all applicable board policies and regulations.

This policy constitutes an Internet safety policy within the meaning of the Children's Internet Protection Act ([47 U.S.C. § 254](#)).

#### Applicability

This policy applies to every person who uses a district information technology or electronic communications system or service in any manner.

#### Scope

The following district systems and services are within the scope of this policy.

- telephones, cell phones, PCS devices, radios, pagers, facsimile systems
- computer systems, hardware, printers, personal digital devices, wired and wireless networks
- email, web content and systems, intranet and Internet services
- video systems, including distance learning and ETV systems
- software including, but not limited to, the following
  - instructional and office software
  - district financial systems

- human resource systems
- student information systems
- all other district information technology or electronic communications, whether owned, leased, contracted or otherwise utilized by the district

#### **Standards for acceptable use of information technology**

Use of district information technology systems and services is subject to the following standards. By accessing or using these systems or services, the user accepts without limitation or qualification the terms and conditions of these standards.

#### **Use shall be lawful and ethical**

- Unlawful, threatening, harassing, libelous, defamatory, obscene or offensive use is prohibited.
- Access to visual depictions that may be obscene, pornographic or harmful to minors is prohibited.
- Using false or deceptive identity is prohibited.
- Unauthorized access to or alteration or disruption of a communications or computer system is prohibited.
- Compliance with copyright, trademark, patent and other property rights is required.
  - Copyrighted material commonly includes text, software, music, graphics, photos and other creations that are available in print, on the web or in other electronic media.
  - Permission of the copyright owner generally is required for copying, downloading or distributing material protected by copyright. For example, this requirement applies to email distribution and web publication and to copying copyrighted software.
  - Be aware that the copyright symbol is not required for protection under the copyright act and that availability of an item on the web does not mean it is without copyright protection.
  - Permission to use copyrighted software is granted by license. Users shall comply with software licenses including 'shrink wrap' license and records of all licenses must be maintained.
- Use must comply with all applicable Charleston County School District policies, regulations and directives.

**Use shall be for district educational or business purposes**

- Commercial, personal, political and religious uses are not allowed. For example, "My car is for sale" is not permitted on the district web or email systems.
- Personal calls on desktop or 'wireline' phones are limited to incidental local calls.
- Personal long distance calls and personal cell phone calls are reimbursable to the district.
- Personal email is not permitted on district email systems.

**Technology products, services and use shall conform to district standards**

- Hardware and software to be installed on district systems must be district approved.
- Websites and web pages created for the district must be district approved.
- Technology and communications systems must be used in a secure manner.
  - Passwords are not to be shared, posted or disclosed.
  - Anti-virus scans are to be made on any software, executable code, scripts, email or other data on devices to be connected to district networks.
  - Personally identifiable information on students and other persons that is protected by law or considered confidential is not to be disclosed to unauthorized persons.
  - Use of information technology shall comply with security standards established by the district through its information technology department.
  - Only authorized software is to be loaded on district devices.
  - Student guidance shall include instruction in appropriate online behavior, including interacting with other individuals on social networking websites, in chat rooms, and cyberbullying awareness and response.

**Conditions of use**

Safe and secure use by minors of direct electronic communications (including email, chat rooms and instant messaging) shall be assured. Use of district computers by minors to access the Internet shall be supervised at all times to comply with the standards of this policy.

Employee and student use of district electronic communications and computer systems shall be filtered for appropriate usage and content. Filtering shall be provided for all Internet enabled computers used by students, patrons and staff. Filtering shall be disabled only for bona fide research or other lawful purposes.

Persons using district technology and electronic communications shall have no expectation of privacy in such use. Usage of district technology and electronic communications may be

monitored, logged, disclosed, deleted or terminated by the district. Online activities of minors shall be monitored for appropriate use.

Employees have a duty to protect district technology resources entrusted to their use and to ensure that users comply with this policy. Employees shall report violations of this policy to district authorities.

Violations of this policy and its standards may be cause for revocation of use privileges, disciplinary action, including termination, and law enforcement actions.

### Disclaimers

No warranties for the accuracy, quality, functionality or availability of technology and communications are expressed or implied by this policy and these standards.

The district assumes no responsibility or liability for accuracy, integrity, quality or acceptability of information or content of non-district technology including, but not limited to, non-district websites which may have links with district websites. Users are cautioned to use due care when accessing non-district information technology resources.

Adopted 1/26/98; Revised 2/23/98, 1/9/06, 2/11/08, 9/27/10

### Legal references:

S.C. Code of Laws, 1976, as amended:

[Section 16-3-850](#) - Encountering child pornography while processing film or working on a computer.

[Sections 16-16-10, et seq.](#) - Computer Crime Act.

### Federal law:

[47 USC Section 254\(h\)](#) - Children's Internet Protection Act.

The Digital Millennium Copyright Act of 1998, Section 512 - Limitations on liability relating to material online.

[17 USC Section 101, et seq.](#) - Copyright Act.

[18 USC Section 1030](#) - Computer Fraud and Abuse Act of 1986, as amended.

[18 USC Section 2510](#) - Electronic Communications Privacy Act of 1986.

**Certification**

This Technology Plan has been reviewed and submitted on behalf of CCSD.

Signatures:

School District Board Chair: Cindy Bohu Coats

Date: 6-24-15

Superintendent of Schools: Mr. Bady

Date: 6/19/15

Information Technology: John McCarroll

Date: 6/17/2015

Educational Technology: John Bady

Date: 6/17/15

**FOR USE BY THE CERTIFIED TECHNOLOGY PLAN APPROVER**

This plan has been reviewed and certified by the USAC Certified Technology Plan Approver for South Carolina which is the South Carolina State Department of Education. This certification will be effective for the term of this plan, but not to exceed three years.

Approved by the SC State Department of Education:

Title: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

This certification expires: \_\_\_\_\_