

ALLENDALE

FORWARD

**Technology Plan
For
07/01/2016 thru 06/30/2019**

Allendale County Schools
3249 Allendale Fairfax Hwy
Fairfax, SC 29827

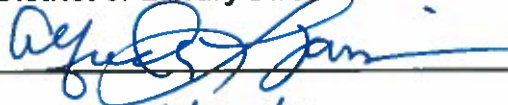


www.acs.k12.sc.us

This Technology Plan has been reviewed and submitted on behalf of Allendale County Schools

Signatures:

School District or Library Director:



Date: 7/27/16

School District Superintendent:



Date: 7/26/2016

School District or Library Board Chair:



Date: 07/26/2016

Certification Page

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This plan has been reviewed and certified by the South Carolina State School District or Library. This certification will be effective for the term of this plan, but not to exceed three years.

Approved by the SC State School District or Library:

Date: _____

This certification expires: _____

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Mrs. Leila W. Williams, Superintendent

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Executive Summary

The purpose of this document is to provide a framework for the Allendale County School District to revise, create and implement standards and learning objectives for the next 3 years. This plan will help the Allendale County School District to meet and exceed the standards set forth in the SDE's Technology Plan. Not only is this plan closely aligned with the state's plan but it will also use as a resource the district's strategic plan, Profile of the South Carolina Graduate and documented best practices from such agencies as the Universal Service Fund (E-Rate), International Society for Technology in Education (ISTE) and the US Department of Education.

This plan was created in collaboration with representatives from various district departments, schools, parents and community members.

Since the development of the district's previous plan, there have been significant developments in how technology is used in the classroom to promote creativity and innovation, critical thinking and problem solving, and collaboration and teamwork. The district will use the Technology Plan Framework outlined in the SDE's technology plan as a guide. The categories of this framework are as follows:

Category 1: Student Learning / Classroom Technology

Goal: The Allendale County School District will strive to improve student learning through technology.

Category 2: Infrastructure and Security

Goal: Provide a robust, secure and cost effective technical infrastructure that improves equitable access to appropriate technologies.

Category 3: Professional Development

Goal: Improve teacher and administrator integration technology in the classroom, administration, and overall learning process.

Category 4: Collaboration Opportunities

Goal: Identify innovative ways for state agencies, other school districts, schools, families and local businesses to collaborate to enhance the learning experiences for the students of the Allendale County School District.

Technology Plan Team Members:

Mrs. Leila Williams, Superintendent

Mrs. Alfreda Jamison, Director of Technology

Mrs. Kedra Rivers, Director of Human Resources

Dr. Tonya Beckett, State and Federal Projects Coordinator

Mrs. Constance Mays, Special Education Coordinator

Mrs. Angela Grant, Finance Manager

Mr. Seneca Baines, Principal Allendale-Fairfax High School

Ms. Mona Lisa Anderson, Assistant Principal and CATE, Allendale-Fairfax High School

Ms. Darlene Hall, Principal Allendale-Fairfax Middle School

Ms. Renata Green, Principal Allendale Elementary School

Mrs. Tamera Suggs, Assistant Principal Allendale Elementary School

Ms. Sheila Leath, Principal Fairfax Elementary School

Mr. Bryant Robinson, Allendale Fairfax Learning Center

Mrs. Edna Youmans, Little New Steps Coordinator

Background Information

Allendale is the smallest of South Carolina's 46 counties and is located along the Georgia Border in the southwestern edge of the state near the Savannah River. Principal towns are Allendale, the county seat (population 3482¹), and Fairfax (population 2025²). The district's current daily enrollment is 1250 students, Pre-K3 thru 12th Grade. Allendale is also the home of University of South Carolina Salkehatchie Campus.

Allendale County School District consists of four (4) schools: two (2) elementary schools, one (1) middle school and one (1) high school. The Allendale-Fairfax High School and the Allendale-Fairfax Middle School are housed in the same building. The district also has a Learning Center which houses both the Alternative school and the Adult Education center. The district currently participates in the Community Eligibility Provision (CEP) program. All of the district's students receive free lunch. The district current has 24 students that speak English as a second language. The district's dropout rate is 2.1 percent and the graduation rate is 80.3%.

Allendale County School District Schools

Fairfax Elementary School

734 14th Street East, Fairfax, SC 29827; Grades 3K – 2

Allendale Elementary School

3305 Allendale-Fairfax Hwy, Fairfax, SC 29827; Grades 3 – 6

Allendale-Fairfax Middle School

3581 Allendale-Fairfax Hwy, Fairfax, SC 29827; Grades 7 – 8

Allendale-Fairfax High School

3581 Allendale-Fairfax Hwy, Fairfax, SC 29827; Grades 9 – 12

Allendale Fairfax Learning Center

1843 Main Street S., Allendale, SC 29810; Alternative School, Adult Education, Little New Steps

¹ American FactFinder – Community Facts

[http://factfinder.census.gov/bkmk/cf/1.0/en/place/Allendale town, South Carolina/POPULATION/DECENNIAL_CNT](http://factfinder.census.gov/bkmk/cf/1.0/en/place/Allendale%20town,%20South%20Carolina/POPULATION/DECENNIAL_CNT)

² American FactFinder – Community Facts

[http://factfinder.census.gov/bkmk/cf/1.0/en/place/Fairfax town, South Carolina/POPULATION/DECENNIAL_CNT](http://factfinder.census.gov/bkmk/cf/1.0/en/place/Fairfax%20town,%20South%20Carolina/POPULATION/DECENNIAL_CNT)

Mission Statement:

The mission of Allendale County School District is to provide the highest quality education for all students by implementing best practices in all areas.

Vision

To create limitless learning opportunities for students where teachers are facilitators using 21st century skills and tools which address student's individual learning styles while affording them access to courses and resources that might not be readily available in the traditional setting.

Current State of Technology – Assessment and Needs

The Allendale County School District currently consists of four (4) schools: two (2) elementary schools, one (1) middle schools, one (1) high school and a learning center that houses the Alternative school, Adult Education center and Little New Steps. The school district recently consolidated schools to facilitate the closing of older school buildings in the district. The Allendale-Fairfax Middle school, grades 7th and 8th. is now located in the Allendale-Fairfax High School building on the 400 hall. The former Allendale-Fairfax Middle School building located at 3305 Allendale-Fairfax Highway has been repurposed to house the Allendale Elementary school grades 3rd – 6th. The former Allendale Elementary School buildings located at 4561 Allendale-Fairfax Hwy, Allendale, SC was closed at the end of the 2014-15 school year. The Fairfax Elementary school is the home of students Pre-K3 – 2nd grade.

Working with the SDE and through the use of e-Rate funds, the district has worked to build a robust local area network (LAN) and wide area network (WAN). The Allendale Elementary School and the Allendale-Fairfax Middle/High School are connected to the District Office by fiber optic cable. The Fairfax Elementary School is connected to the district office by a 12 mbps MPLS circuit. The Allendale-Fairfax Learning Center is connected by 100mbs metro Ethernet circuit. From the district office, each school has access to the Internet over a 250 mbps circuit.

All buildings in the district have wireless access to the network. In the 2014-15 school year, wireless access points were added to every classroom and the common areas in the Allendale-Fairfax Middle/High School to accommodate the 1-to-1 Limitless Learning iPad initiative. Wireless access points are being added to all classrooms and common areas at Allendale Elementary and Fairfax Elementary in the 2015-16 school year as a component of the Apple ConnectED grant which these schools received in 2014. E-Rate funds are being used to increase wireless access points at the Allendale-Fairfax Learning center in the 2015-16 school year.

In the 2014-15 school year, the district participated in the Future Ready Schools Summit. The goal of this summit is to help districts to maximize digital learning opportunities to prepare students for success in college, a career, and citizenship³. As one of the first steps, the district leadership team completed a self-assessment to determine our readiness to begin the implementation of digital learning. The summary of this assessment is in attachment 4 of this document. The following three (3) areas were identified as targets: Personalized Professional Learning, Use of Space and Time, and Curriculum, Instruction and Assessment.

In 2014, the district's file servers were upgraded from Novell Netware to Microsoft Server 2012. This upgrade also facilitated the conversion of the district's email service from Novell GroupWise to Microsoft Office 365. User and email accounts were created on the network for all faculty, staff

³ Future Ready Schools, About the Effort / Home
<http://www.futurereadyschools.org/about>

and students. This conversion also gave all users access to Microsoft Office online apps such as Word, Excel, PowerPoint, OneDrive and OneNote.

Disaster Recovery Plan

The Allendale County School district currently uses tape backup as a part of the disaster recovery plan. However, the district has recently purchased the Barracuda Backup Solution with Cloud-Integrated Data Protection. All servers are being backed-up to an appliance and to the Barracuda cloud. The data retention policy has been set as follows:

Retention Timeline

Keep All Revisions: **2 days**
 Keep Daily Revisions: **5 days**
 Keep Weekly Revisions: **1 month**
 Keep Monthly Revisions: **6 months**
 Keep Yearly Revisions: **3 years**

Per the state’s recommendation, the disaster recovery plan is being further developed to include an equipment inventory, configuration, documentation of all systems, vendor lists, and service contracts.

Listed below is the beginning of the Server and Systems Inventory list:

SYSTEM	SERVER	LOCATION	DESCRIPTION
Active Directory	Hardware	District Office	File Server
Active Directory	Hardware	AES	File Server
Active Directory	Hardware	FES	File Server
Active Directory	Hardware	AFHS	File Server
Active Directory	Hardware	AFMS	File Server
Active Directory	Hardware	AFLC	File Server
Enrich	Hardware	DO	Student assessment data warehouse and IEP warehouse; Medicaid billing for SPED
MealsPlus	Hardware	DO	Food Services software for meal status, purchase history, and account balances

PowerSchool	Hardware	DO	Student information system used for data reporting to state for accountability and funding; gradebook; attendance; discipline;
SNAP	Hardware	DO	Medical documentation and tracking software suite
Destiny	Hardware	DO	School Library Management System
Academy of Reading	Hardware	DO	Reading intervention Software
Cisco Call Manager	Hardware	DO	Voice over IP server
Cisco Unity	Hardware	DO	Voice Mail
LightSpeed Systems Rocket	Hardware	DO	Web/spam/firewall filter
SUNs Database	Hardware	DO	State Student Number Server
Sophos	Hardware	DO	Anti-Virus Software
ESS	Hardware	DO	Employee Services
WASP	Hardware	DO	Inventory Control
SchoolDude	Web Application	CLOUD	Maintenance and IT work order system
ScholarChip	Web Application	CLOUD	Cloud-based SmartID System
Accelerated Reader	Web Application	CLOUD	Reading Progress monitor software
Classworks	Web Application	CLOUD	Interactive online instruction
Rosetta Stone	Web Application	CLOUD	Language Learning Software
OdysseyWare	Web Application	CLOUD	Online curriculum and Instruction

TE21	Web Application	CLOUD	Formative assessments
MasteryConnect	Web Application	CLOUD	Student Intervention Program
Think Central	Web Application	CLOUD	Online learning resources
SchoolMessenger	Web Application	CLOUD	Parent and Community Communication System
SchoolWires	Web Application	CLOUD	School and District Website Adaptive Assessments used to measure growth and predict performance over time
NWEA MAP	Web Application	CLOUD	Foundational reading intervention program
System 44	Web Application	CLOUD	
OnCourseSystems	Web Application	CLOUD	Online Lesson Planner
MyLearningPlan	Web Application	CLOUD	Professional Development tracking system
EducatorsHandbook	Web Application	CLOUD	Electronic Discipline Referral System
Faronics Insight	Hardware	Computer Labs	Classroom Management Software
AppliTrack	Web Application	CLOUD	Online application system
Symantec Backup Exec	Hardware		

The Technology Plan

Technology Vision:

To inspire students to take advantage of the best access and opportunity for learning and life beyond their current circumstances.

Goals and Objectives for Improving Services:

Category 1: Student Learning / Classroom Technology

Goal: The Allendale County School District will strive to improve student learning through technology.

Objectives:

1.1. Make digital content available to teachers, students, families and administrators before, during and after school.

- Expand access to online classes and other digital content.
- Integrate digital content into instruction to decrease the use of print materials
- Seek funding opportunities to provide access to digital resources anytime and anywhere
- Collaborate with local organizations to provide access to digital content outside of school hours.
- Capitalize on purchasing agreements with educational technology vendors to procure cost-effective equipment

1.2. Seek to integrate technology into all learning processes.

- Identify and promote instructional delivery models that use current and emerging technology to support student learning.
- Develop criteria to evaluate instructional technology
- Develop an item bank of ideas to use technology in instruction

1.3. Expand access to educational materials for students and staff

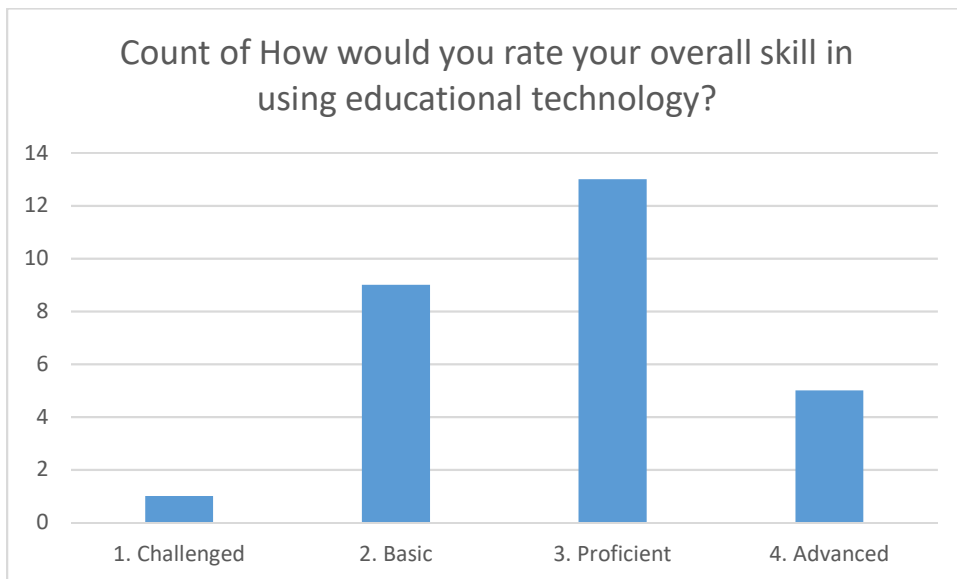
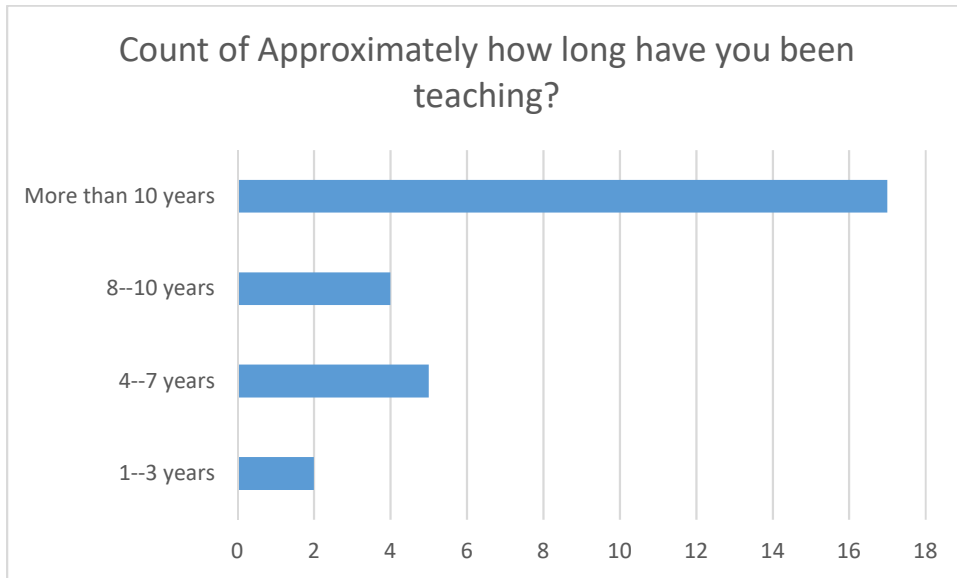
- Seek funds to keep instructional technology current and refreshed in the classrooms and in the hands of the students and teachers.
- Explore partnerships with existing local libraries and community colleges

1.4. Promote digital literacy and citizenship at all grade levels

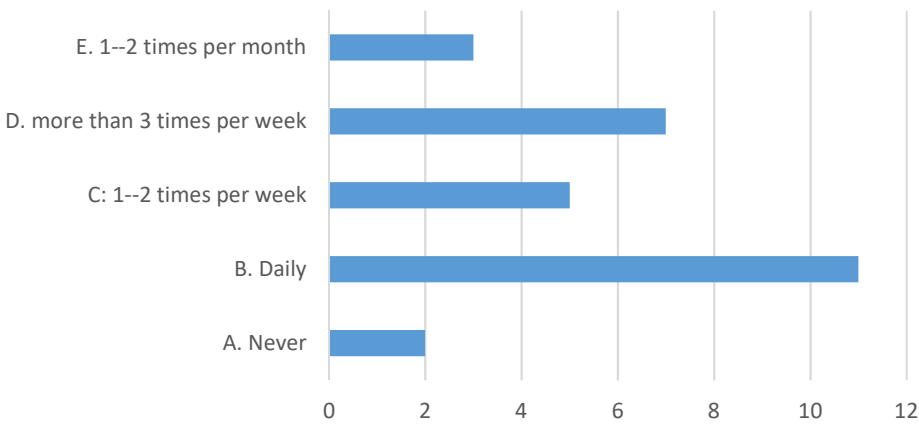
- Incorporate ISTE technology standards for students, teachers, and administrators in daily activities
- Identify and teach grade level appropriate digital citizenship curriculum.

Summary of Findings

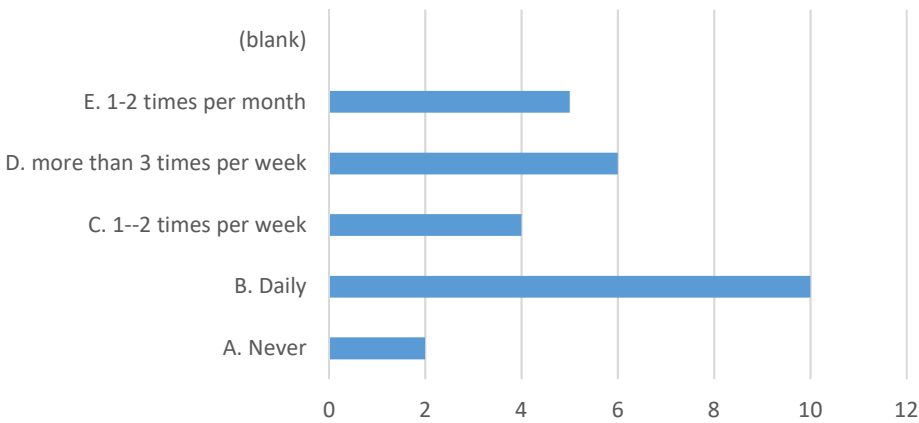
Allendale County Schools 2015- 16 Technology Needs Assessment



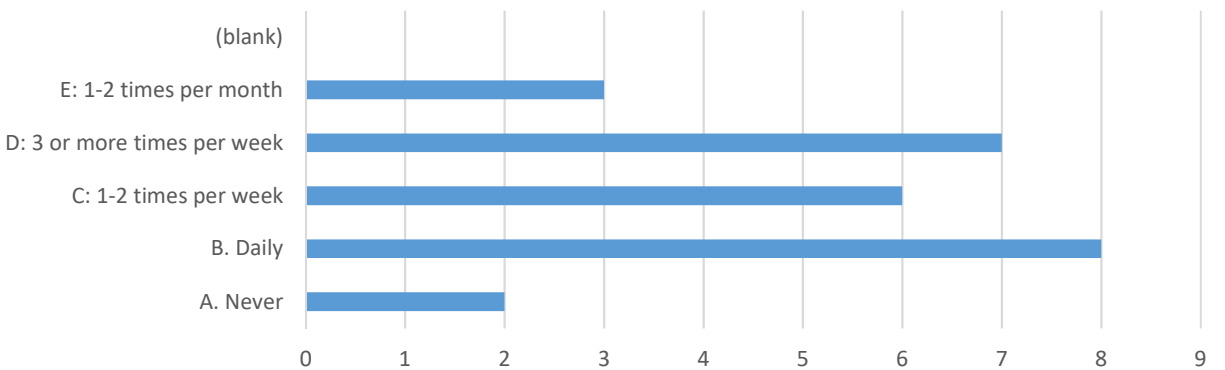
Count of How often do you use social media on personal time?



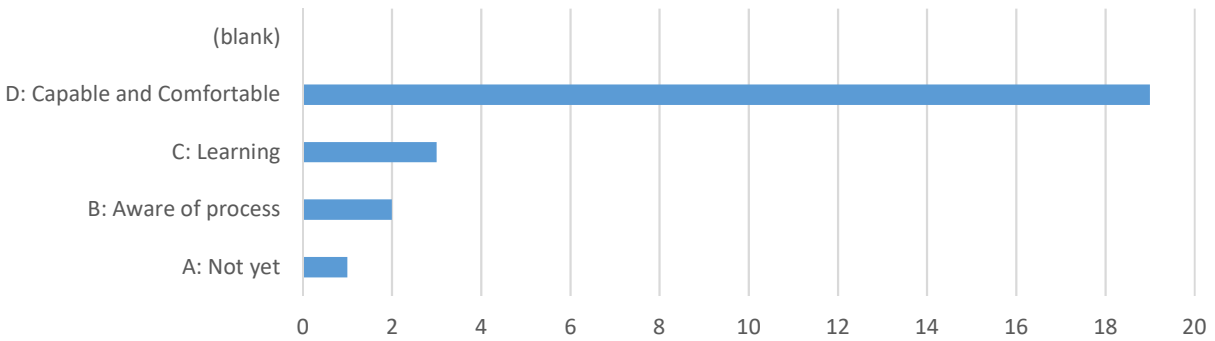
Count of How often do you use educational social media?



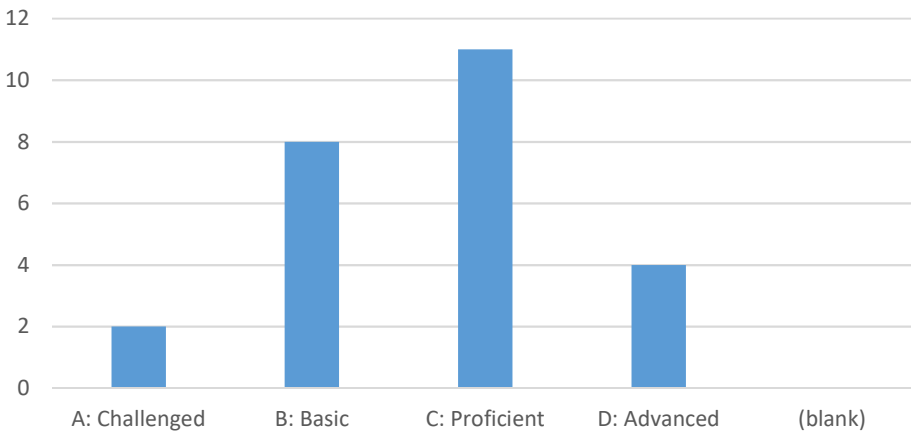
Count of How often do you integrate student centered technology into your instruction?



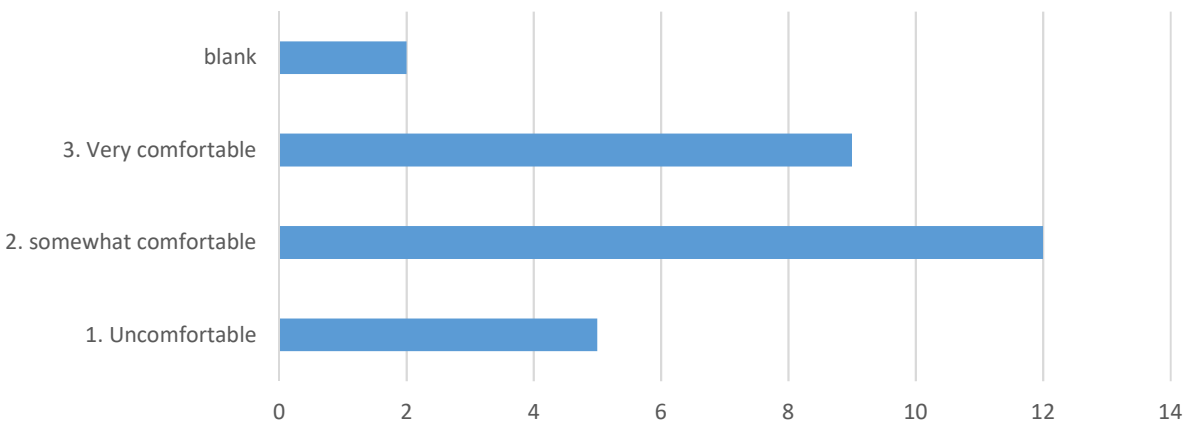
Count of I can create, edit, save and retrieve word processing and presentation documents.

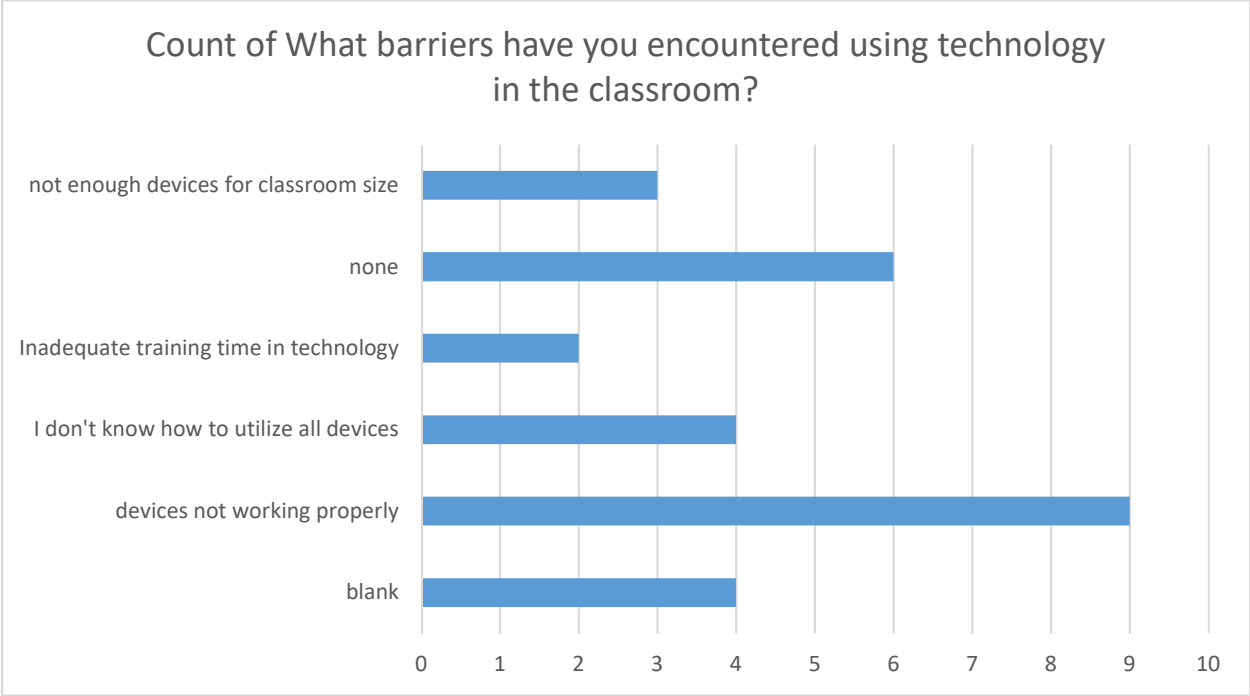


Count of How would you rate your overall skill in using educational technology?2



Count of I feel comfortable using the iPad and creating a class in iTunes U.





Recent Progress

Category	Products Currently in Use
Interactive Whiteboards	Promethean
Video Monitors & Projectors	Hitachi Sanyo
Document Cameras	Elmo IPVEO
Laptop Computers	Apple Dell
Mobile Devices	iPads
Distance Learning Carts	Tandberg Polycom
Classroom Amplification Technology	Frontrow
Virtual Learning	South Carolina Virtual High School Denmark Technical College
Libraries	

Spotlight on Success:

In 2014 the Allendale County School district applied for and received the SDE Digital Device Pilot grant and grants from US. Department of Agriculture. Monies from these grants were used to implement a Limitless Learning 1-to-1 Initiative in the Allendale-Fairfax Middle School and the Allendale-Fairfax High School. iPads were purchased for all students in grades 7 – 12. Additionally, these grants enabled the district to purchase MacBook Air computers and iPads for all Middle/High schools teachers and administrators. English textbooks were purchased in a digital format and installed on student iPads as well as other free apps. Many teachers leverage the use of software and systems such as iTunes U, Microsoft OneNote, and Edmodo for instruction to encourage a paperless classroom environment.

Challenges and Improvement Opportunities:

Full utilization of current technologies is still a challenge. The district has a need for teacher experts in the integration of technology into the curriculum, not just using the technology for the technology sake. Finding more time for in-depth, hands on training for teachers is a necessity. Teachers also need opportunities where they can collaborate and learn best practices from teachers around the globe on how to use the technology available in the district.

Understanding the lifespan of technology is only three (3) to five (5) years and proper disposal and repurchasing of the equipment is necessary, funding sources need to be identified to make the initiatives sustainable.

Category 2: Infrastructure and Security

Goal: Provide a robust, secure and cost effective technical infrastructure that improves equitable access to appropriate technologies.

Objectives:

- 2.1. Provide one high performance computer per teacher for administrative and instructional use**
- 2.2. Provide one high performance computer or computing device per student**
- 2.3. Provide access to a variety of technology devices to maximize student learning**
- 2.4. Provide a computer projection device or display unit per classroom and other instructional areas**
- 2.5. Secure and proactively monitor the computing environment to ensure safe access and data security**
 - Establish strategies for procurement and technology refreshment, maintenance and support.
 - Establish standards for high performance and strive for recommended requirements vs minimum requirements when procuring technology equipment
 - Coordinate technology purchases across the district to maximize spending power.
 - Review/update infrastructure standards and documentation to support a one-to-one learning environment.
 - Review and revise Acceptable Use and Internet Safety policies to address access to a one-to-one environment.
 - Monitor compliance with federal Children’s Internet Protection Act (CiPA) to ensure eligibility for federal funds.

Summary of Findings

The Allendale County School District has leveraged a variety of funds to provide a robust and secure infrastructure for the faculty staff and students. All classrooms have wired access to the network with a minimum of six (6) network drops per classroom. In addition all buildings in the district have wireless access to the network. All teachers are provided a desktop and/or a laptop and an Apple iPad for Administrative and instructional use. Each school also has one (1) 30-iPad cart to be used with students in instruction. All classrooms are equipped with a Promethean interactive whiteboard and a ceiling or boom mounted projector. Most recently all Middle and High school students were provided an Apple iPad as a part of the District’s one-to-one initiative. In compliance with CIPA student access to the internet is filtered and monitored by LightSpeed Systems’ Rocket appliance. As an added layer of protection, all student email is monitored by Gaggle safety management system.

Recent Progress

Category	Products Currently in Use
Network Bandwidth	Internet Access – 250 MB
Email Systems	Microsoft Office 365 Gaggle Administration Faculty Students
Printing/Copiers/Scanners	HP LaserJet Printers Xerox WorkCentre Copiers
Desktops/Laptops/Tablets/Mobile	Dell Desktops Dell Laptops Apple iMac Apple Macbook Air Apple iPad
Operating Systems	Windows 7 Mac OS X iOS 9
Servers	Hewlett-Packard
Databases	Microsoft SQL Server
Network Devices and Services	<ul style="list-style-type: none"> • Cisco <ul style="list-style-type: none"> ○ Routers ○ Switches ○ Access Points ○ Call Manager ○ Unity • VMWare • Microsoft HyperV
Security Tools and Services	<ul style="list-style-type: none"> • D.S.I.T. State provided security monitoring • LightSpeed Systems Rocket • LightSpeed Systems MDM • Cisco ASA Firewall • Sophos Anti-Virus • Barracuda Backup

Spotlight on Success

The Allendale County School District was awarded grants from the United States Department of Agriculture and the State Department of Education's Digital Device pilot grant in 2014. Through these grants the district was able to launch the Allendale County Schools' Limitless Learning 1-to-1 initiative. This initiative provided an Apple iPad and MacBook Air laptop to all middle and high school teachers and administrators and an iPad for every Middle and High school student.

Prior to the launching of the 1-to-1 initiative the district was able to leverage eRate funds and building funds to increase the wireless overlay at the Allendale-Fairfax Middle / High School to support 1-to-1 initiative. Wireless access points were installed in every classroom and all common areas.

Challenges and Improvement Opportunities

The Allendale County School District has had Promethean Interactive whiteboards and projectors are aging. Replacement bulbs for the projectors can be quite costly. As the Interactive whiteboards age, a decision will need to be made concerning when and how to upgrade these systems to interactive panels or televisions.

Since grant monies were used to purchase the technology equipment for staff and students, monies will need to be identified by the district to refresh the devices at end of life to ensure that this initiative is sustainable.

Category 3: Professional Development

Goal: Improve teacher and administrator integration technology in the classroom, administration, and overall learning process.

Objectives:

The Allendale County School District will provide professional development opportunities to all faculty and staff to ensure that they have the technological skills necessary to support lesson planning, classroom management and administrative tasks required to provide a high quality 21st century education to students. Some professional development opportunities for educators will be available 24/7 through a variety of delivery methods, including online and other on-demand learning technologies.

3.1. Design and implement technology standards that are relevant and mutually agreed upon by educators and administrators.

- Identify technology standards and implement measures to monitor progress towards meeting these standards. Tie specific training activities to standards to ensure teachers have adequate opportunities to learn new technologies.

3.2. Teachers and library media specialists will meet established education technology standards.

- Incorporate technology requirements into local professional development plans
- Utilize online assessment tools to measure teacher technology literacy; assist staff in structuring their individual professional development plans for meeting agreed upon standards.
- Collaborate between with other school districts to share models of successful professional development.
- Seek strategic partnerships to provide opportunities for state and local professional development programs that include targeted training in relevant technology applications.
- Develop high-quality professional development hybrid, online courses, and e-communities to provide anytime, anywhere course opportunities and support for technology infusion.
- Consider ways to reward teachers that have achieved proficiency on meeting the standards. Funding considerations must be considered as part of this strategy
- Continue to build internal capacity in schools to support technology-related professional development using state, district and school administrators, county or school-based technology specialists, school library media specialists, teachers, private sector resources, and other knowledgeable partners.
- Develop evaluation criteria and standards-based tools that can be used in observations to evaluate instructional staff competency related to the adopted standards.

3.3. Allendale County Schools will meet established education technology standards.

- Develop evaluation criteria and standards-based tools that can be used by to evaluate competency related to the adopted standards.
- Develop high-quality professional development to provide anytime, anywhere learning opportunities for staff and/or administrators.

- Use online tools to assess the knowledge and skills of administrators and teachers and assist them in creating professional development plans for meeting the adopted standards.

3.4. Allendale County School Administrators will review staffing levels to determine the optimal ratio of technology support personnel per staff member. This would include distinguishing between technical training staff, technical support and specific technology-related roles and responsibilities.

- Examine the salary grades to ensure the technologists roles and responsibilities properly map to the state's salary bands.

3.5. Teachers will have access to classroom and online training for classroom technology. Allendale County School district will provide on-going professional development opportunities that support effective technology integration, implementation and enhance student academic achievement.

- The district will provide ongoing professional development opportunities to ensure teacher technology literacy.
- The district will provide ongoing professional development opportunities to ensure effective, responsible, and safe use of technologies (i.e. Digital Citizenship, Internet Safety, and Information Security).
- The district will provide ongoing professional development opportunities in effective practices to ensure effective technology integration in the classroom.
- The district will provide ongoing professional development in the use of data, data-informed decision-making and data-driven instructions.

3.6. The Allendale County School district will provide resources, support and information regarding highly effective practices in classroom technology implementation and integration.

- The district will review existing tools and resources in order to measure the effectiveness of technology and how it's being utilized within the classroom.
- Identify new ways to collaborate to support and promote the use of leading practices at all levels.

Summary of Findings

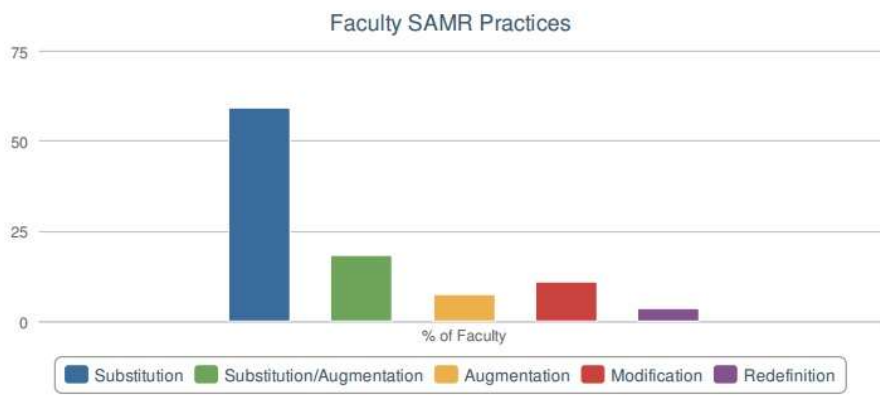
Through observation it has been determined that there are varying levels of technology proficiency among the faculty and staff. Some teachers are early adopters of technology and have found innovative ways to use it to engage students in the learning process. However there are significant numbers of teachers who need assistance in understanding how the use of technology can transform their classroom. The schools and district conducts professional development on early release days and during "Appy Hours" afterschool. Additionally, the district conducts a Summer Institute during the first week of summer to introduce educational technology concepts. The district has also provide a Simple K12 online professional development account for all teachers. This system provides teachers live and on-demand webinars on a variety of topics in the realm of education technology. This systems also provides resources and collaboration opportunities with teachers around the world.

Both Allendale Elementary and Fairfax Elementary were recipients of the APPLE ConnectED Grant. This grant not only included hardware such as iPads, MacBook Air Laptops, and Apple TV's but it also included 17 days for Professional Development for teachers. To properly prepare for this PD all teachers in the district participated in the Apple Education Technology

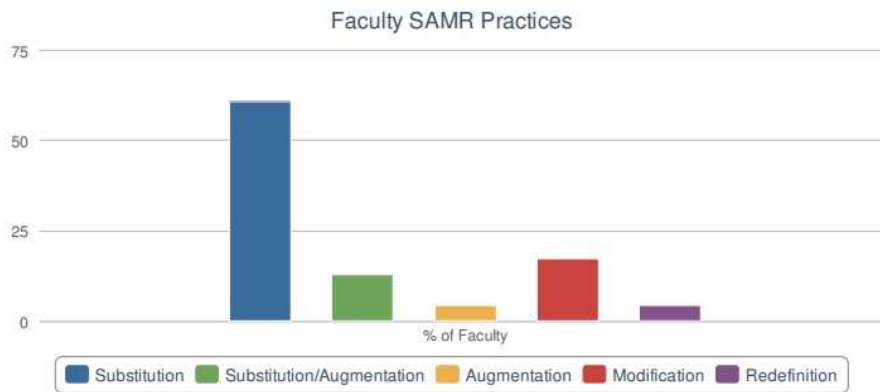
Profile Survey. The ETP survey provide the district with general demographics of the technology use at each school which showed the levels and categories of training that would best benefit the faculty in enhancing their technology usage.

The ETP also provided a SAMR Analysis of each school's Faculty. SAMR is the model popularized by Dr. Ruben Puentedura which helps teachers infuse technology into teaching and learning.⁴ SAMR is the acronym for **Substitution** (which is the lowest level of technology use), **Augmentation**, **Modification** and **Redefinition** (which is the highest level of technology use). The Substitution and Augmentation levels enhance teaching and learning whereas the Modification and Redefinition levels can transform teaching and learning. Below are sample results from the ETP survey the Allendale County Schools Faculty.

FAIRFAX ELEMENTARY SCHOOL

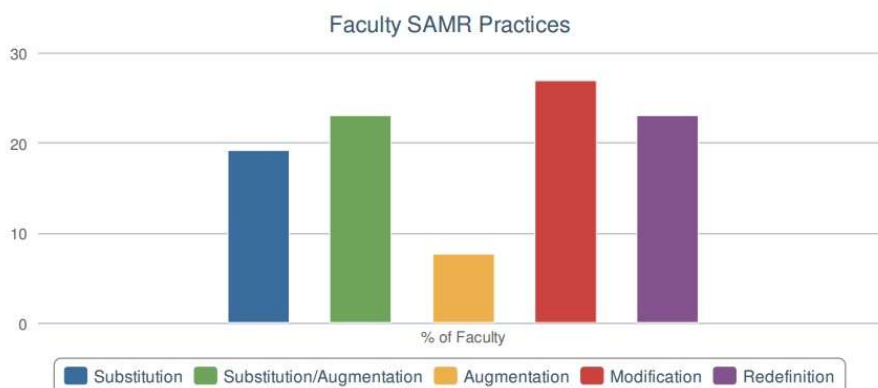


ALLENDALE ELEMENTARY SCHOOL

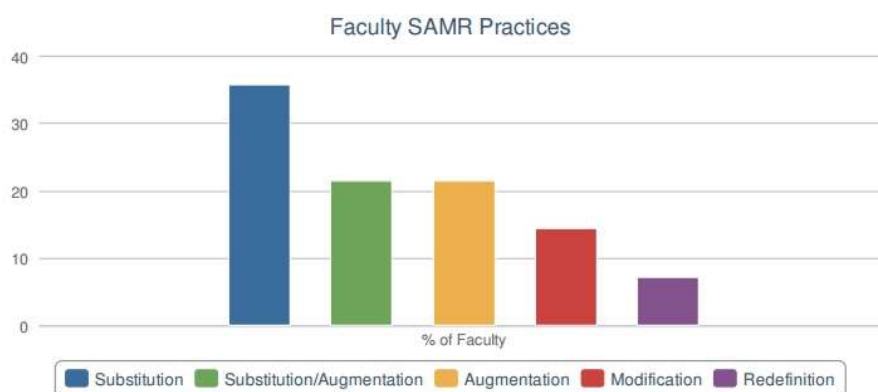


⁴ <http://www.schrockguide.net/samr.html>

ALLENDALE-FAIRFAX MIDDLE SCHOOL



ALLENDALE-FAIRFAX HIGH SCHOOL



Recent Progress

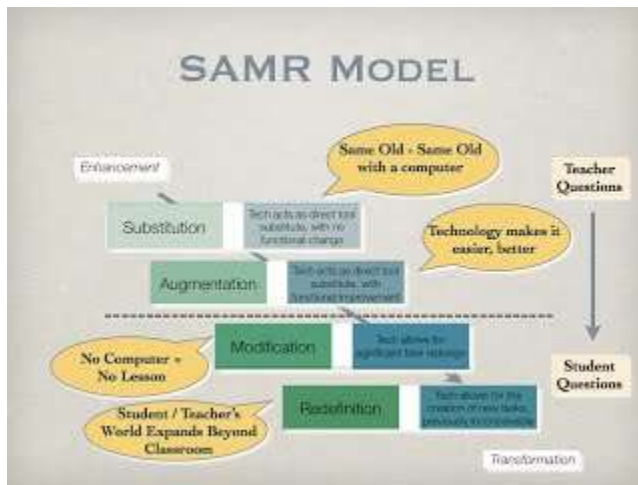
As often as possible the district provides opportunities for training to all teachers. The district has also hired an Instructional Technology Coach to assist teachers as needed with infusing technology into the curriculum. Additionally, to maximize the training dollars, the district has also adopted a train-the-trainer model by allowing some teachers and academic coaches to attend technology conferences such as South Carolina Edtech and the International Society for Technology in Education (ISTE).

Spotlight on Success

With the implementation of the Limitless Learning 1-to-1 Initiative, grant monies provided an opportunity to have an Apple Distinguished Educator visit the district monthly to provide hands on instruction with teachers on how to use the Apple iPads and the Macbook Air computers. Teachers were excited to learn how to use various components of these devices to allow their students to become creators of content and not just consumers. Technology Professional Development during the Summer Institute generated an air of excitement and optimism pertaining to the possibilities of the use of iPads in the classroom.

Challenges and Improvement Opportunities

Adequate time must be allowed to provide personalized professional development. Administrators must also understand the new expectation of technology use in the classroom as it applies to the SAMR model (Substitution, Augmentation, Modification, Redefinition). Technology must be used to transform teaching and learning and not just a new way to perform the same old tasks.



<https://sites.google.com/a/msad60.org/technology-is-learning/samr-model>

Category 4: Collaboration Opportunities

Goal: Enhance the learning experiences for the students of the Allendale County School district by identifying several innovative ways to collaborate and share information with state agencies, other school districts, families and local businesses.

Objectives:

- 4.1. Identify several innovative ways for the state agencies, schools, families, and local business to collaborate to share information.**

- 4.2. Expand collaboration opportunities using technology tools to develop all manner of partnerships within the local, regional, state, and global communities. These opportunities for learning, and helping foster overall community growth. Partnerships should assist learners in sharing relevant information with parents, community members, school partners and other school sites.**
 - Help teachers build personal collaboration networks that might include social media tools and relationships that stretch beyond the classroom walls.
 - Foster and support communication between school communities in a variety of ways.
 - Continue to provide and support initiatives that draw on local and regional resources through the use of electronic means.
 - Showcase examples, when possible, that exemplify effective practices in the engagement of community partners.
 - Connect schools with regional and national organizations that assist with providing access to students with disabilities.
 - Provide online resources for fostering parent involvement in school communities. Resources may involve day-to-day communication with parents via email, social networking sites, and new modes of electronic communication providing access to student files and individual learning plans and examples of work, and providing regular access to student information system data on their child's progress.
 - Provide and showcase examples, when possible, that exemplify leading practices in the engagement of community partners.
 - Become a model of collaborative communication for local communities, with students involved in the creation, development, and maintenance of websites, blogs, apps, and other collaborative tools for local projects and entities.

Summary of Findings

The Allendale County school district uses several technologies to communicate with student, parents and community. A few of these technologies are listed below:

- PowerSchool parent portal
- School Messenger
- District and School Facebook pages
- District and School newsletters
- District and School website
- Town Marque

Recent Progress

The Allendale County School District's Facebook page has become an invaluable resource to quickly disseminate information concerning activities and events in the district and to showcase the many positive things that are occurring in the district.

Spotlight on Success

The District's Superintendent participates in the County's Inter-agency meetings. At these meetings the district has had the opportunity to share information concerning the 1-to-1 initiative. During the meeting the iPad and several apps were present to share with the community how the devices are used to enhance learning and instruction. District Administrators and School Board Members have also participated in the Promise Zone Meetings to collaborate with other districts and agencies to seek opportunities to leverage resources to span the digital divide which exists in our rural communities.

Challenges and Improvement Opportunities

There are many challenges in a small, rural community with limited internet access. The district continues to pursue grants that would help to provide equity of access in the outlining areas of our community. The district continues to seek ways to broadcast the many successes that have occurred in recent years.

Staff Training/Professional Development Strategy

Annually the Allendale County School District establishes full professional development days and half day professional development days where students are dismissed early throughout the year. Below is a sample professional development calendar.

Allendale County Schools Professional Development Calendar 2016-17

August 9, 2016	Professional Development Day
August 10, 2016	Professional Development Day
August 11, 2016	Professional Development Day
August 30, 2016	Half Day Professional Development
September 20, 2016	Half Day Professional Development
October 24, 2016	Professional Development Day
November 7, 2016	Half Day Professional Development
January 24, 2017	Half Day Professional Development
February 17, 2017	Half Day Professional Development
March 14, 2017	Half Day Professional Development
June 6, 2017	Summer Institute
June 7, 2017	Summer Institute
June 8, 2017	Summer Institute

Projected Timeline

2016-2017

- Establish Professional Development topics for District PD days and “Appy Hours”
- Incorporate Apple ConnectED PD into the District’s PD calendar for Elementary Staff
- Prepare Student iPads for the Elementary schools 1:1 rollout
- Implement Apple School Manager to ease the management of the district’s iPad’s, apps and Apple ID accounts.
- Evaluate the Middle/High Limitless Learning Initiative and modify as needed
- Increase PD specifically for the 1:1 classroom at the Middle/High school
- Designate 12 hours of courses in teachers personal technology learning plans to be completed annually using SimpleK12 professional development
- Re-image all computers to install the latest OS, Software and Anti-virus
- Perform network security audits and implement changes as needed
- Continue to collaborate with other districts and agencies in Promise Zone Initiative
- Establish a refresh schedule for district technology equipment
- Implement a New Tech Academy for Project Based Learning at the high school level for one grade.
- Establish Digital Literacy and Keyboarding classes at the elementary level
- Increase training for the Technology Department Staff.
- Technology committee will review plan semi-annually and update as needed.
- Offer training to parents and community in the appropriate use of technology

2017-2018

- Add a grade level to the New Tech Academy
- Evaluate Bandwidth needs for continued support on 1:1 Initiative
- Refresh technology equipment according to establish schedule
- Pursue grants and other funds to update student and staff devices for 1:1 initiative
- Continue technology literacy and digital citizenship instruction for students
- Identify teachers who are technology leaders and provide opportunities for participation in technology conferences.
- Provide opportunities for technology savvy teachers to present emerging technologies and best practices
- Continue to offer training to parents and community in the appropriate use of technology and digital devices

2018-2019

- Increase the grades participating in the Project Based Learning Model at the Middle/High school
- Continue collaboration with other districts and agencies to improve technology access in the community.
- Begin collaborations to establish a new technology plan.

Budget Summary

Technology General Fund	
Data Processing Professional and Technical Services	\$72,600
Data Processing Supplies	\$20,000
Data Processing Technology & Software	\$25,000
Data Processing Travel (Training)	\$7,500
SubTotal	\$125,100
Technology Support Fund	\$84,000
USDA Grants	\$100,000
Technology Professional Development	\$6,800
Apple ConnectED Grant (Equipment and PD)	TBD

Evaluation

The Allendale County Schools' Technology Plan Committee will review, evaluate and update this technology plan semi-annually in November and May for the next three (3) years. Goals and objectives will be examined to document progress and to establish next steps to continue the forward movement of the district. Tools to measure this growth will include previously conducted needs assessments, inventories, and district/school state report cards.

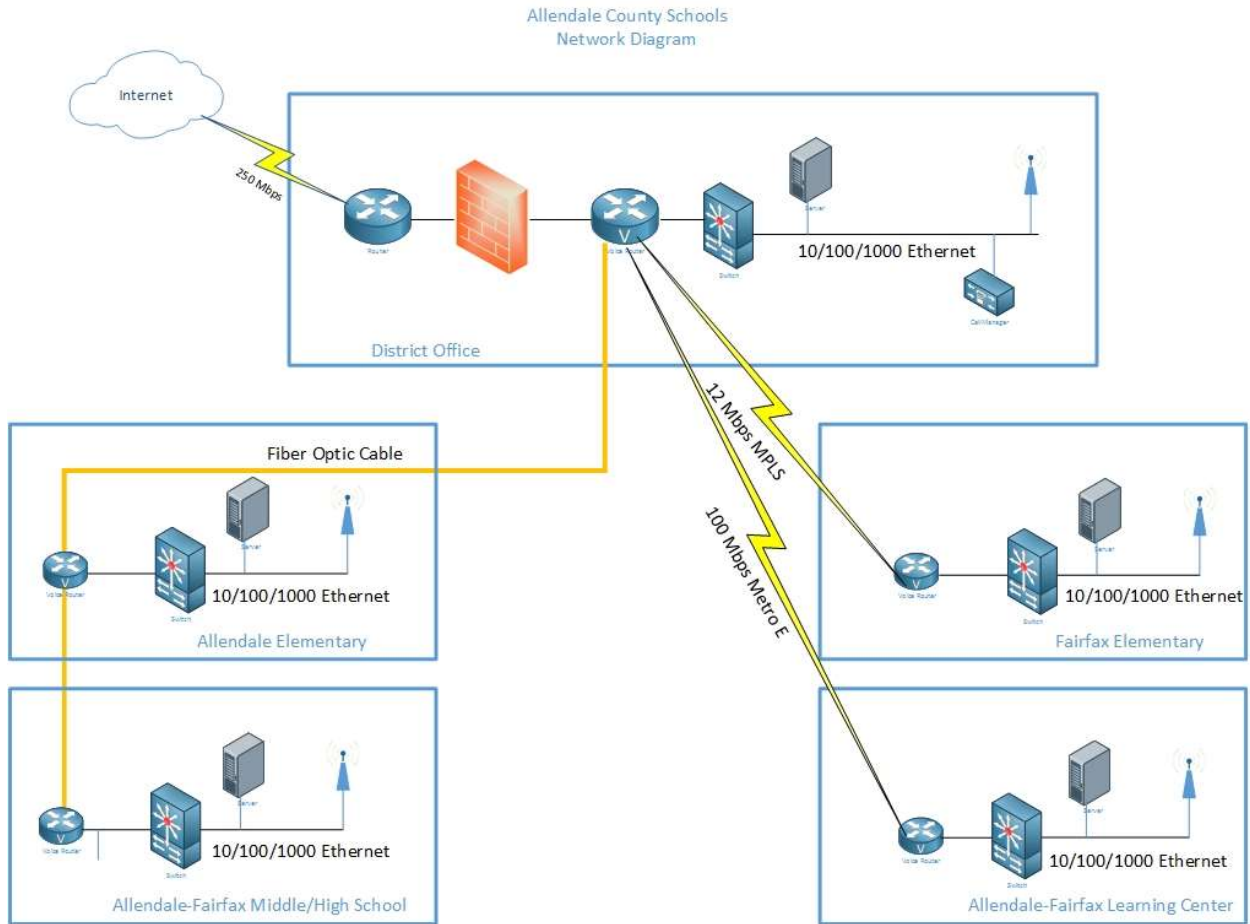
Attachments/Appendices

Attachment 1: Technology Inventory & IT Skills Inventory

Technology Staff Skills

Ability	Skill needed	Skill Available In-House?	Contracted additional tech support?
Technical Staff Skills			
PC Skills			
Install & Configure hardware		X	
Load & update software		X	
Troubleshoot & repair problems		X	
LAN Skills			
Design Network			X
Install & configure hardware			X
Load & update software		X	X
Troubleshoot & repair problems		X	X
WAN Skills			
Install & configure hardware			X
Load & update software			X
Troubleshoot & repair problems			X

Attachment 2: Network Diagram



USE OF TECHNOLOGY RESOURCES IN INSTRUCTION

Code **IJNDB** Issued **06/13**

Purpose: To establish the board's vision and the basic structure for the use of technology resources in instruction.

Internet acceptable use

Allendale County School District Internet policy

Allendale County School District (ACSD) offers Internet access to students, teachers and staff. The Internet, an electronic highway, connects thousands of computers, computer networks, and individual subscribers around the world. All students and staff must be instructed on the appropriate use of our network. ACSD users will sign an "Internet Acceptable Use Agreement" prior to being given access to the Internet. This agreement will define the educational objectives and guidelines for use as well as unacceptable uses which will lead to revocation of access and possible legal action.

ACSD will install software to control, monitor and filter inappropriate material. Students under age 18 must have written parental permission before being given access to the Internet.

Allendale County School District regulations

Internet provides access to computer systems located all over the world. Users (and parents of users, if the user is under age 18) must understand that ACSD cannot control the content of information available. Some of the information is controversial and, sometimes, offensive. However valuable information and interaction accessible on this worldwide network outweigh the possibility that users may find inappropriate material. Allendale County School District does not condone the use of such materials and takes all reasonable precautions to filter access to these materials. The responsibilities accompanying freedom of speech and access to information will be taught. School employees, students and parents must be aware that access to the Internet will be withdrawn from users who do not respect the rights of others or who do not follow the rules and regulations established by the Allendale County School District

Accessing inappropriate sites

Student Internet activities will be monitored by the district to ensure students are not accessing inappropriate sites that have visual depictions that include obscenity, child pornography or are harmful to minors. The school district will use technology protection measures to protect students from inappropriate access as required by the Child Internet Protection Act of 2000 (CIPA).

The district will provide reasonable notice of and at least one public hearing or meeting to address and communicate its Internet safety measures.

Reporting

District and school computer technicians who are working with a computer and come across sexually explicit images of children must report this to local law enforcement. The report must include the name and address of the owner or person in possession of the computer.

Online behavior

The district will educate minors about appropriate online behavior, including interacting with other individuals on social networking websites and in chat rooms and cyberbullying awareness and response. The superintendent or his/her designee will develop a program to educate students on these issues.

Off-campus conduct

Students, parents/legal guardians, teachers and staff members should be aware that the district may take disciplinary actions for conduct initiated and/or created off-campus involving the inappropriate use of the Internet or web-based resources if such conduct poses a threat or substantially interferes with or disrupts the work and discipline of the schools, including discipline for student harassment and bullying.

Acceptable use

The Internet will be used in a responsible, efficient, ethical legal manner and must be in support of the educational objectives and the student behavior guidelines of the ACSD. Transmission of any material in violation of federal and state regulation is prohibited. Unacceptable uses include, but are not limited to, the following:

- violating copyright laws
- forwarding personal communications without the author's prior consent
- using threatening or obscene material
- distributing material protected by trade secret
- utilizing the Internet for commercial purposes

- providing political or campaign information
- unauthorized access including “hacking” and other unlawful activities
- sharing confidential information on students or staff without appropriate approval
- Downloading or installing any unauthorized software or hardware on any system or district device.

Restrictions

ACSD will install software that provides Internet control, monitoring and filtering. This software is the critical component of the Internet protection package since it allows valuable online Internet access while restricting access to specific unwanted categories including pornography, gambling, illegal drugs, online merchandising, hate speech, criminal skills, alternative journals and games. The program will be updated on a regular basis to keep the restriction list as current as possible.

Netiquette rules

Users must abide by network etiquette rules. These rules include, but are not limited to, the following:

- Be polite; rudeness is never acceptable.
- Use appropriate language; do not swear, use vulgarities or other abusive or inappropriate language.
- Do not reveal personal addresses or phone numbers.
- Do not interrupt the use of the network.
- Assume that all communications and information accessible via the network is private property.
- Cyber-bullying will not be tolerated. Harassing, dissing, flaming, denigrating, impersonating, outing, tricking, excluding and cyber-stalking are all examples of cyber-bullying. Do not be mean. Do not send e-mails or post comments with the intent of scaring, hurting or intimidating someone else. Engaging in these behaviors, or any online activities intended to harm (physically or emotionally) another person, will result in severe disciplinary action and loss of privileges. In some cases, cyber-bullying can be a crime.

Privileges

The use of the district’s technology resources is a privilege, not a right. With this privilege, there also is a responsibility to use the resources solely for educational purposes and not to access inappropriate materials unsuitable for students.

Inappropriate use will result in limitation or cancellation of user privileges and possible disciplinary actions.

Disclaimer

ACSD will not be responsible for any damages suffered, including the loss of data resulting from delays, non-deliveries, service interruptions or inaccurate information. The user accepts personal responsibility for any information obtained via the Internet.

Security

Security on any computer system is a high priority, especially when the system involves many users. Attempts to tamper with the program, access the system as any other user or share a password will result in cancellation of user privileges. Electronic mail is not guaranteed to be private; system operators have access to all mail. Messages relating to or in support of illegal activities may be reported to the authorities and disciplinary action will follow.

Vandalism

Vandalism will result in cancellation of user privileges and disciplinary action. Vandalism is defined as any malicious attempt to harm or destroy equipment and/or data or anyone connected with the Internet. This includes, but is not limited to, uploading, creating or transmitting computer viruses.

Adopted 7/1/01; Revised 06/4/13

Legal references:

A. Federal law:

1. 47 USC Section 254(h) - Children's Internet Protection Act.
2. The Digital Millennium Copyright Act of 1998, Section 512 - Limitations on liability relating to material online.

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

1. Section 10-1-205 - Computers in public libraries; regulation of Internet access.
2. Section 16-3-850 - Encountering child pornography while processing film or working on a computer.
3. Section 16-15-305 - Disseminating, procuring or promoting obscenity unlawful; definitions; penalties; obscene material designated contraband.

Attachment 4: Future Ready Digital Learning Readiness Report



DIGITAL LEARNING READINESS REPORT

ALLENDALE 01

Date of Report: 03/12/2015

Digital Learning Readiness Score: **3.6** (of 10)

Technology now allows for personalized digital learning for every student in the nation. The Future Ready Schools District Pledge, according to the U.S. Department of Education, is designed to set out a roadmap to achieve that success and to commit districts to move as quickly as possible towards a shared vision of preparing students for success in college, careers and citizenship. This roadmap can only be accomplished through a systemic approach to change, as outlined in the graphic below.



With student learning at the center, a district must align each of the seven (7) key categories, or gears, in order to advance toward successful digital learning:

1. Curriculum, Instruction, and Assessment
2. Use of Time
3. Technology, Networks, and Hardware
4. Data and Privacy
5. Community Partnerships
6. Professional Learning
7. Budget and Resources

The outside rings in the figure emphasize the importance of empowered leadership and the cycle of transformation where districts vision, plan, implement and assess continually. Once a district is strategically staged in each gear, district leaders can be confident that they are ready for a highly successful implementation phase that leads to innovation through digital learning.

This confidential report indicates your district's readiness to implement digital learning. The chart below provides a snapshot of your district's progress to date across the seven gears in the Future Ready Schools framework.

Digital Learning Readiness per Gear

This chart provides a snapshot of your district's Readiness Ratings across the seven gears in the Future Ready framework. After your district works on its gaps, your team may want to take the self-assessment again and see trends over time.

