



# Alabama Technology Plan

## Marshall County Board of Education

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# **Executive Summary**

## **Introduction**

Every school system has its own story to tell. The context in which teaching and learning takes place influences the processes and procedures by which the school system makes decisions around curriculum, instruction, and assessment. The context also impacts the way a school system stays faithful to its vision. Many factors contribute to the overall narrative such as an identification of stakeholders, a description of stakeholder engagement, the trends and issues affecting the school system, and the kinds of programs and services that a school system implements to support student learning.

The purpose of the Executive Summary (ES) is to provide a school system with an opportunity to describe in narrative form the strengths and challenges it encounters. By doing so, the public and members of the community will have a more complete picture of how the school system perceives itself and the process of self-reflection for continuous improvement. This summary is structured for the school system to reflect on how it provides teaching and learning on a day to day basis.

## **Description of the School System**

**Describe the school system's size, community/communities, location, and changes it has experienced in the last three years. Include demographic information about the students, staff, and community at large. What unique features and challenges are associated with the community/communities the school system serves?**

Marshall County Schools are located in Marshall County Alabama which is a densely populated rural area. There are currently five school districts in the county. Four of the systems in the county are representative of the major cities and roughly 90-95% of the tax base. Our school district is representative of the rural towns and communities in the remainder of the make up of the county. exhausted tax base due to multiple school systems in the same county. The county's current poverty level of 81% has left the county school system with no viable income. Making" are ready to be in place as soon as grant award is announced. Not only does the county have a high poverty rate, it has earned the nickname "Meth Mountain" because of the wide spread use of Crystal Meth. A&E studies estimated that 10% of all babies born in Marshall County are affected by crystal Meth. The study also revealed that 40% of children in state custody are a direct result of their parent's meth addiction. Our parent needs assessment surveys showed 47% requesting some type of drug education. The population for The Marshall County School System is Governed by the Marshall County Board of Education and the Superintendent. MCSS serves students from preschool through the twelfth grades. A complete list of schools is listed under additional information.

## System's Purpose

**Provide the school system's purpose statement and ancillary content such as mission, vision, values, and/or beliefs. Describe how the school system embodies its purpose through its program offerings and expectations for students.**

### MARSHALL COUNTY SCHOOLS VISION, BELIEFS, AND GOALS

#### VISION

The vision of the Marshall County School System is to utilize collaborative stakeholder support to provide a safe learning environment that enables all students to become respectful, responsible, and resourceful lifelong learners and citizens.

#### BELIEFS

The Marshall County School System holds the following beliefs:

God gives meaning and purpose to life

Each person is entitled to respect and dignity

Education is vital to a successful life

Everyone can learn

High expectations increase learning and performance

A safe environment supports learning

Learning is a collaborative, cooperative process

An effective school system demands a shared responsibility Between stakeholders

Honest, respectful communication is the essence of community

The commitment to continuous improvement enables students to become respectful, responsible, and resourceful lifelong learners

#### GOALS

The Marshall County School System believes that the following goals are attainable, desirable, and will positively affect the lives of our students:

Marshall County students will meet all adequate yearly progress goals, as defined by the Alabama State Department of Education, and the No Child Left Behind Act of 2001.

Recruit, hire, and retain the most effective personnel (highly qualified) with a deep understanding of differentiated instruction and supported by an outstanding performance evaluation and professional learning program.

Ensure that curricular design, instructional strategies, and learning environments integrate appropriate technologies to maximize learning and teaching.

Communicate effectively and efficiently with parents, students, community, and school personnel in order to promote involvement from all stakeholders.

Provide a learning environment that recognizes diversity, encourages respect for all persons and property, and is safe, orderly and free of alcohol, tobacco and other drugs.



## Notable Achievements and Areas of Improvement

**Describe the school system's notable achievements and areas of improvement in the last three years. Additionally, describe areas for improvement that the school system is striving to achieve in the next three years.**

Marshall County incorporates many before and after school and extended school year opportunities that are designed to improve student achievement. The LEA supports schools in their efforts to provide extra academic assistance in programs in the following ways:

- The LEA budgets the High Hopes funds for after school and summer tutoring which is used at all high schools for preparation of the AHSGE.
- The LEA provides summer school annually for students to recover courses using credit recovery program.
- The LEA will assist the high school in providing review courses for students that have not been successfully passing the AHSGE. Using High Hopes Grant, Title I funds, School Improvement funds to provide material, schedules will be adjusted to allow core/resource teachers to work with students in need.
- 21 Century Community Learning Programs will provide extended day, after school tutoring, academic enrichment and summer programs for students in need of support in the area of reading and math.
- Transition programs at all levels are offered to assist students and parents in transitioning from Pre-K to K; K to 1st; 2nd to 3rd, 3rd to 5th, 5th to 6th; 8th to 9th , and 12th to college and career. These activities are dispersed throughout the entire year-long calendar. Activities include but are not limited to: "Move up day", Orientation Meetings, Open Houses, Vertical team meetings, PST team meeting, career development activities, mentoring programs, goal setting activities, student focus groups, and a variety of additional activities designed to monitor student progress, involve parents, and successful acclimate students to the new school culture.
- Extended school year services are provided for students who qualify.

A primary indicator of program success is improved student achievement as demonstrated by in-school success, increased graduation rate, and performance on local and state assessments. Other indicators of success are regular student attendance and exemplary school behavior. The Marshall County School System will provide access to state-administered assessment results, regular attendance data, and Student Incident Reports all of which will be tracked and documented for individual, as well as, grade level results. The Central Office Staff and local school administrators will monitor the programs for success by doing regularly scheduled walk through and program reviews.

## **Additional Information**

**Provide any additional information you would like to share with the public and community that were not prompted in the previous sections.**

Asbury (Pre K - 12 Grades)

Brindlee Mountain High School (9 - 12), Brindlee Mountain Middle School (6-8), Grassy (Pre K - 5), Union Grove (Pre K - 5)

Douglas High School (9 - 12)

Douglas Middle School (6-8)

Douglas Elementary School (3 - 5)

Sloman (Pre K - 2)

Claysville (Pre K - 8)

KDS DAR High School (9 - 12)

DAR Middle School (5 - 8),

DAR Elementary (K - 4)

MTS - Marshall Technical School (9 - 12)

Marshall Alternative School (6 - 12)

# **Improvement Plan Stakeholder Involvement**

## **Introduction**

The responses should be brief, descriptive, and appropriate for the specific section. It is recommended that the responses are written offline and then transferred into the sections below.

## Improvement Planning Process

### Improvement Planning Process

**Describe the process used to engage a variety of stakeholders in the development of the institution's improvement plan. Include information on how stakeholders were selected and informed of their roles, and how meetings were scheduled to accommodate them.**

School Improvement Team members; establish, review, and/or revise bylaws, terms of office, and duties of members. SIT council is composed of the Principal and an appropriately balanced number of teachers, education support employees, students, parents, and other business and community citizens who are representative of the ethnic, racial, and economic community served by the school. Council members representing teachers, education support employees, students, and parents have been elected by their respective peer groups at the school in a fair and equitable manner.

School conducts annual needs assessment based on state and district goals, performance standards, local and state achievement data, and school climate survey results.

Reviews and/or revises school's Vision and Mission, sets priorities for goals and objectives to be included in the School Improvement Plan.

SIT assists in preparing the proposed School Improvement Plan, including improvement strategies and measures.

**Describe the representations from stakeholder groups that participated in the development of the improvement plan and their responsibilities in this process.**

The stakeholders included members of the District Technology Team, Cross section of Principals so that each grade level from the district was represented. 100% of Principals were surveyed and 80% of teachers were surveyed.

Assessing the need for improvement at the school using district, state, and federal goals as a guide and by reviewing student performance data; 2) Prioritizing the school's needs; 3) Indicating problems and barriers that underlie the needed improvements and their causes; 4) Identifying and evaluating possible solutions and developing strategies to accomplish the needed improvements.

**Explain how the final improvement plan was communicated to all stakeholders, and the method and frequency in which stakeholders receive information on its progress.**

The final improvement plan will be presented to the Marshall County Schools Board of Education for approval. Upon approval, the working document will be presented to the public and employees via the Marshall County Schools website.

# Technology Diagnostic

## **Introduction**

The ALSDE Technology Diagnostic is designed to facilitate the process of gathering and analyzing the technology needs which drive the Transform 2020 Technology Plan.

## Data

**Statement or Question:**Data Sources. Select all sources of data used for planning:

**Response:**

- Inventory & Infrastructure Report-- Fast and Easy Access to network, and Availability of Technology
- Technology Plan Surveys (\*Required)

Local School Tech Plans

## Needs Assessment

**a.) Identify the top 1-3 areas of need, and b.) top 1-3 strengths associated with your technology Infrastructure (fast and easy access to network, digital content); c.) Identify the data sources and actual data results that led you to conclude that these are areas of strength and need.**

A. Needs

1. additional wifi access
2. additional digital devices
3. additional technology coaches (1 per campus)

B Strengths

1. Bandwidth and connectivity infrastructure between schools
2. Local school switches and routers
- 3 Electronic Communication Methods

C Data Sources

1. Local Technology Assessment
2. Technology Surveys
3. Educator Assessments

**a.) Identify the top 1-3 areas of need, and b.) top 1-3 strengths associated with your technology Inventory (fast and easy access to technology); c.) Identify the data sources and actual data results that led you to conclude that these are areas of strength and need.**

A. Needs

1. Complete 1:1
2. Replace units older than 5 years
3. Develop a device refresh program

B Strengths

1. Teacher Desktops
2. Teacher Interactivity
- 3 Student BYOD

C Data Sources

1. Local Technology Assessment
2. Technology Surveys
3. Educator Assessments

**a.) Identify the top 1-3 areas of need, and b.) top 1-3 strengths associated with your technology and Student Learning (subject area processes and content; 21st C. skills and dispositions to ensure school, career, and life success); c.) Identify the data sources and actual data results that led you to conclude that these are areas of strength and need.**

A. Needs

1. additional wifi access
2. additional digital devices
3. additional technology coaches (1 per campus)

B Strengths

1. Hosted Learning Programs
2. Integration of Google Apps
- 3 Electronic Communication Methods

C Data Sources

1. Local Technology Assessment
2. Technology Surveys
3. Educator Assessments

**a.) Identify the top 1-3 areas of need, and b.) top 1-3 strengths associated with your technology Professional Learning Program (Teachers, Staff, Leaders, Community); c.) Identify the data sources and actual data results that led you to conclude that these are areas of strength and need.**

A. Needs

1. additional technology coaches (1 per campus)
2. additional Google apps training
3. additional integration of technology teaching methods

B Strengths

1. Interactivity Devices
2. Professional Learning Lab
- 3 Multiple Websites dedication to Professional Development

C Data Sources

1. Local Technology Assessment
2. Technology Surveys
3. Educator Assessments

**a.) Identify the top 1-3 areas of need, and b.) top 1-3 strengths associated with your technology Teacher Use—Teaching (how teachers use technology to teach as well as require students to use technology to learn); c.) Identify the data sources and actual**

**data results that led you to conclude that these are areas of strength and need.**

A. Needs

1. additional Google apps integration
2. additional technology coaches
3. accountability from local school administration

B Strengths

1. On-demand google training via Chrome browser
2. Engagement of Students via interactivity
- 3 Electronic Communication Methods

C Data Sources

1. Local Technology Assessment
2. Technology Surveys
3. Educator Assessments

**a.) Identify the top 1-3 areas of need, and b.) top 1-3 strengths associated with your technology Teacher Use—Productivity (how teachers use technology for increased productivity); c.) Identify the data sources and actual data results that led you to conclude that these are areas of strength and need.**

A. Needs

1. additional professional development of personal learning networks
2. additional digital services
3. additional technology coaches (1 per campus)

B Strengths

1. Collaboration with use of Google Docs
2. Web-based programs
- 3 Electronic Communication Methods

C Data Sources

1. Local Technology Assessment
2. Technology Surveys
3. Educator Assessments

**a.) Identify the top 1-3 areas of need, and b.) top 1-3 strengths associated with your technology School Leaders Use—Productivity (how administrators use technology for increased productivity); c.) Identify the data sources and actual data results that led you to conclude that these are areas of strength and need.**

A. Needs

1. additional professional development of personal learning networks
2. additional digital services

3. additional technology coaches (1 per campus)

B Strengths

1. Collaboration with use of Google Docs
2. Web-based programs
- 3 Electronic Communication Methods

C Data Sources

1. Local Technology Assesment
2. Technology Surveys
3. Educator Assessments

**a.) Identify the top 1-3 areas of need, and b.) top 1-3 strengths associated with any other technology program areas; c.) Identify the data sources and actual data results that led you to conclude that these are areas of strength and need.**

A. Needs

1. additional professional development of personal learning networks
2. additional digital services
3. additional technology coaches (1 per campus)

B Strengths

1. Collaboration with use of Google Docs
2. Web-based programs
- 3 Electronic Communication Methods

C Data Sources

1. Local Technology Assesment
2. Technology Surveys
3. Educator Assessments

## **Professional Learning**

**Based upon the strengths and areas of need listed above, what are your Professional Learning Topics for the upcoming year that involves using technology to improve learner and productivity and prepares students for living and working in a digital world.**

Marshall County Schools has invested in its teachers and staff the opportunity to attend a multitude of professional learning activities. Those activities include technology conferences (AETA, ISTE, NATC, and Google Summits). Those individuals are required to present face to face turnaround training for each staff during the school year. Effective use of social media and emphasis on Twitter has also been a relevant learning topic for the school year as evidenced by the twitter feed on the home page of the Marshall County Schools website

## Inventory/Infrastructure

**Describe how your infrastructure and inventory supports student achievement at all locations. Use the following terms as headings in your description: WAN Infrastructure, LAN Infrastructure, Connectivity, Bandwidth, Internet Access, Information Security & Safety, Digital Content, and Digital Tools.**

### WAN Infrastructure

All district sites are utilizing fiber optic connectivity through Charter Communications provided 1000Mbps Metro-E-s in a star topology utilizing EIGRP routing protocol. All site traffic terminates in the county's central server room and based on source IP the address is routed appropriately.

### LAN Infrastructure

All schools in the Marshall County School District have an installed LAN of a fiber optic backbone and a minimum of Enhanced Cat6 to each classroom. All switch connections are running at a minimum of 1000Mbps with a minimum of 100Mbps access ports. In addition, high-speed wireless access points are installed throughout every school within Marshall County in order to provide wireless connectivity for all devices.

**Connectivity** Marshall County Schools provides wired and wireless connectivity. We recently replaced our existing wireless G with wireless N. Our entire LAN backbone is 1Gb with plans to move to 10Gb.

**Bandwidth** Marshall County Schools increased bandwidth to 300mbps via Alabama Super Computer.

**Internet Access** Internet access is available in all areas of all schools within Marshall County. When new classrooms are added or existing rooms used that have no access, our technicians make it a priority to install the necessary equipment to provide internet access.

**Information Security & Safety** Marshall County takes data/information security very seriously. All servers that contain sensitive data are protected by being in a DMZ provided by a Cisco ASA which is managed by Alabama Super Computer. In addition, all guest wireless networks are segregated from these data sources. All sensitive data is encrypted and backed-up offsite via a Barracuda backup appliance. Marshall County is currently utilizing 100+ VLANS and traffic is segregated when needed to protect network resources. All wireless networks are encrypted with WPA2/PSK.

We deploy ThirtySeven4 anti-virus software on all end-user computers and all internet traffic is filtered, inspected and reported through our Lightspeed Rocket content filter appliance.

**Digital Content** Digital content is utilized by students in Marshall County Schools on a daily basis. Students use digital media to prepare presentations, podcasts, web site development, graphic design, blogs, digital yearbooks, robotics, e-books, e-learning, etc. Some of the digital learning experiences include ACCESS Distance Learning, Edmodo social learning platform, Destiny Library Management, ALEX (Alabama Learning Exchange, Renaissance Enterprise, Edgenuity Online Curriculum, United Streaming Distance Education and You Tube for Education.

**Digital Tools** All teachers and students have access to the apps associated with Google Apps. All students are provided with a personal email account. Students have access to high-speed internet, computers, tablet PCs, PDAs, digital cameras, video equipment, scanners, printers, etc. We have also recently deployed Chromebooks to all schools with a goal of a 1:1 ratio of computer to student.

<b>Label</b>	<b>Assurance</b>	<b>Response</b>	<b>Comment</b>	<b>Attachment</b>
2.	Did you complete the Inventory for each school in your school system?	Yes		MCS Inventory 2017-18

## Accountability Questions

Identify at least three (3) programmatic, district-wide digital learning integration activities geared toward impacting student achievement in all schools (District Plan). (Note: May be different activities for different schools, but all schools must be implementing at least one major related strategy.)

**Goal 1:**

Use technology to improve student academic success - Student Goal

**Measurable Objective 1:**

90% of All Students will demonstrate a proficiency in reading throughout all grades in Reading by 07/01/2020 as measured by Classroom/student observations, final products/performance that demonstrates mastery of State Course of Study standards, decreased usage of paper and hard copy materials, written teacher reports, implementation of Courses of Study lesson plans.

**Strategy1:**

Internet Safety and Precautions - promote internet safety and precautions. - Promote, support, and fund the use of challenge-based, instructional strategies that are delivered by teachers in technology-rich learning environments via training and online resource materials. Promote innovation, through the availability of tools of statewide benefit, to transition schools from the historical dependence on textbooks and toward an expanded online deployment of instructional materials. Provide professional development opportunities for teachers to develop effective, challenge-based lessons and units that require students to demonstrate critical thinking, research, and problem-solving skills using technology.

Category: Develop/Implement College and Career Ready Standards

Research Cited: NETS-S4, CCRS Literacy Standards; Plan2020 p. 14, 26, 54.

Activity - Students will be provided training in internet safety practices	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Students will be provided training in internet safety practices	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	Principals, Classroom Teachers, Counselors

Activity - Alabama Learning Exchange (ALEX)	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
The Alabama Learning Exchange (ALEX) is an online resource provided by the Alabama State Department of Education that provides educators access to a variety of educational materials. The categories within ALEX include Courses of Study, Learning Assets, Lesson Plans, Search, Personal Workspace, Professional Learning, Podcast Treasury, and Alexville. Access lessons on internet safety.	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	Classroom teacher, State Department of Education

Activity - Weekly Lessons	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Classroom teachers will provide weekly lessons targeting the dangers associated with failing to comply with internet safety guidelines.	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	Principals, Classroom teachers

**Measurable Objective 2:**

90% of All Students will demonstrate a proficiency of a sound understanding of technology concepts, systems, and operations in Career & Technical by 07/01/2020 as measured by student portfolios, classroom/student observation, implementation of Courses of Study lesson plans.

**Strategy1:**

Preparation for the workforce - Provide a variety of digital resources applicable for students use that helps teacher integrate the effective uses of technology concepts, systems, and operations into the curriculum. Provide professional development opportunities for teachers that include best practices for integrating the effective use of technology into the curriculum.

Category: Develop/Implement College and Career Ready Standards

Research Cited: NETS-S6, CCRS Literacy Standards, Plan2020 p. 14, 54

Activity - Paperless Classroom	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Students will be issued a form of technology. This will allow students and teachers to make their written work anytime. Students can submit their assignments using digital drop-boxes and teachers can access them anywhere/anytime. Students and teachers will be able to collaborate online.	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	District staff, Principals, Classroom Teachers

Activity - Digital Resources	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Teachers and administrators will use digital tools to support and enhance learning. Students will use the high-speed internet, computers, tablet PCs, digital cameras, video equipment, scanners and software applications in the classroom. Teachers will routinely use digital resources with students for a variety of purposes including research, texts, and multimedia. Digital versions of textbooks will be available to replace paper versions. Students will use blogs, post-Google Slides, podcasts, or videos online. These digital projects can be viewed by teachers, administrators, and peers.	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	District administrators, Principals, Classroom Teachers

# Alabama Technology Plan

Marshall County Board of Education

Activity - Teacher Training	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Classroom teachers will be offered professional development opportunities to help them learn ways to better facilitate a digital classroom. District and local school training sessions will be offered on an ongoing basis throughout the school year. Teachers will be encouraged to attend summer training sessions and workshops that address the use and integration of digital resources in the classroom such as the Alabama Educational Technology Conference.	Career Preparation/Orientation	08/07/2017	07/01/2020	\$0 - No Funding Required	District and Local School Administrators, Classroom Teachers.

### Measurable Objective 3:

90% of Pre-K, Kindergarten, First, Second, Third, Fourth, Fifth, Sixth, Seventh, Eighth, Ninth, Tenth, Eleventh, Twelfth, Postsecondary, Adult and Ungraded grade Black or African-American, Asian, White, Economically Disadvantaged, Gifted and Talented, Hispanic or Latino, Students with Disabilities, English Learners, Two or More Races, American Indian or Alaska Native and Native Hawaiian or Other Pacific Islander students will demonstrate a proficiency in reading throughout all grades in Reading by 07/01/2020 as measured by Classroom/student observations, final products/performance that demonstrates mastery of State Course of Study standards, decreased usage of paper and hard copy materials, written teacher reports, implementation of Courses of Study lesson plans..

### Strategy1:

Utilize online resources for testing in reading. - Assist teachers in moving from static, text-based resources to dynamic, interactive, adaptive, multimedia content powered by devices that engage, empower, and connect students to all forms of learning. Provide professional development opportunities for teachers to develop strategies that incorporate the use of digital tools into the daily curriculum. Provide, support and fund instructional technology support personnel in order to increase technology integration effectiveness in the classroom and better prepare students to be college and career ready. Provide tools for principals to use to document digital learning experiences in the classroom.

Category: Develop/Implement College and Career Ready Standards

Research Cited: NETS-S 3, CCRS Literacy Standards; Plan2020, p. 14, 54)

Activity - STAR and Global Scholar testing	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
All students will have access to available technology for assessment purposes.	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	IT staff, Principals, Classroom Teachers

Activity - Chromebook Tablet PC	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
A Google Chromebook Tablet PC will be issued to as many students as possible..	Technology	08/07/2017	07/01/2020	\$200000 - General Fund	IT Staff, Principals, Classroom Teachers

Activity - Set individual goals through STAR and Global Scholar	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Students individual goals will be established through STAR reading and Global Scholar diagnostics.	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	Classroom teachers

**Identify one (1) or more activities that focus upon using digital tools to improve achievement of all students with special emphasis upon high need and high poverty students.**

**Goal 1:**

Use technology to improve student academic success - Student Goal

**Measurable Objective 1:**

90% of Pre-K, Kindergarten, First, Second, Third, Fourth, Fifth, Sixth, Seventh, Eighth, Ninth, Tenth, Eleventh, Twelfth, Postsecondary, Adult and Ungraded grade Black or African-American, Asian, White, Economically Disadvantaged, Gifted and Talented, Hispanic or Latino, Students with Disabilities, English Learners, Two or More Races, American Indian or Alaska Native and Native Hawaiian or Other Pacific Islander students will demonstrate a proficiency in reading throughout all grades in Reading by 07/01/2020 as measured by Classroom/student observations, final products/performance that demonstrates mastery of State Course of Study standards, decreased usage of paper and hard copy materials, written teacher reports, implementation of Courses of Study lesson plans..

**Strategy1:**

Utilize online resources for testing in reading. - Assist teachers in moving from static, text-based resources to dynamic, interactive, adaptive, multimedia content powered by devices that engage, empower, and connect students to all forms of learning. Provide professional development opportunities for teachers to develop strategies that incorporate the use of digital tools into the daily curriculum. Provide, support and fund instructional technology support personnel in order to increase technology integration effectiveness in the classroom and better prepare students to be college and career ready. Provide tools for principals to use to document digital learning experiences in the classroom.

Category: Develop/Implement College and Career Ready Standards

Research Cited: NETS-S 3, CCRS Literacy Standards; Plan2020, p. 14, 54)

<b>Activity - Chromebook Tablet PC</b>	<b>Activity Type</b>	<b>Begin Date</b>	<b>End Date</b>	<b>Funding Amount &amp; Source</b>	<b>Staff Responsible</b>
A Google Chromebook Tablet PC will be issued to as many students as possible..	Technology	08/07/2017	07/01/2020	\$200000 - General Fund	IT Staff, Principals, Classroom Teachers

**Identify at least five (5) district-wide activities geared toward preparing PK-12 teachers to use technology and digital content to help students meet Alabama's College- and Career-Ready Academic Standards.**

**Goal 1:**

Use technology to improve student academic success - Student Goal

**Measurable Objective 1:**

## Alabama Technology Plan

Marshall County Board of Education

90% of Pre-K, Kindergarten, First, Second, Third, Fourth, Fifth, Sixth, Seventh, Eighth, Ninth, Tenth, Eleventh, Twelfth, Postsecondary, Adult and Ungraded grade Black or African-American, Asian, White, Economically Disadvantaged, Gifted and Talented, Hispanic or Latino, Students with Disabilities, English Learners, Two or More Races, American Indian or Alaska Native and Native Hawaiian or Other Pacific Islander students will demonstrate a proficiency in reading throughout all grades in Reading by 07/01/2020 as measured by Classroom/student observations, final products/performance that demonstrates mastery of State Course of Study standards, decreased usage of paper and hard copy materials, written teacher reports, implementation of Courses of Study lesson plans..

### Strategy1:

Utilize online resources for testing in reading. - Assist teachers in moving from static, text-based resources to dynamic, interactive, adaptive, multimedia content powered by devices that engage, empower, and connect students to all forms of learning. Provide professional development opportunities for teachers to develop strategies that incorporate the use of digital tools into the daily curriculum. Provide, support and fund instructional technology support personnel in order to increase technology integration effectiveness in the classroom and better prepare students to be college and career ready. Provide tools for principals to use to document digital learning experiences in the classroom.

Category: Develop/Implement College and Career Ready Standards

Research Cited: NETS-S 3, CCRS Literacy Standards; Plan2020, p. 14, 54)

Activity - Set individual goals through STAR and Global Scholar	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Students individual goals will be established through STAR reading and Global Scholar diagnostics.	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	Classroom teachers

Activity - STAR and Global Scholar testing	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
All students will have access to available technology for assessment purposes.	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	IT staff, Principals, Classroom Teachers

Activity - Chromebook Tablet PC	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
A Google Chromebook Tablet PC will be issued to as many students as possible..	Technology	08/07/2017	07/01/2020	\$200000 - General Fund	IT Staff, Principals, Classroom Teachers

### Measurable Objective 2:

90% of All Students will demonstrate a proficiency of a sound understanding of technology concepts, systems, and operations in Career & Technical by 07/01/2020 as measured by student portfolios, classroom/student observation, implementation of Courses of Study lesson plans.

### Strategy1:

Preparation for the workforce - Provide a variety of digital resources applicable for students use that helps teacher integrate the effective uses of technology concepts, systems, and operations into the curriculum. Provide professional development opportunities for teachers that include best practices for integrating the effective use of technology into the curriculum.

# Alabama Technology Plan

Marshall County Board of Education

Category: Develop/Implement College and Career Ready Standards

Research Cited: NETS-S6, CCRS Literacy Standards, Plan2020 p. 14, 54

Activity - Teacher Training	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Classroom teachers will be offered professional development opportunities to help them learn ways to better facilitate a digital classroom. District and local school training sessions will be offered on an ongoing basis throughout the school year. Teachers will be encouraged to attend summer training sessions and workshops that address the use and integration of digital resources in the classroom such as the Alabama Educational Technology Conference.	Career Preparation/Orientation	08/07/2017	07/01/2020	\$0 - No Funding Required	District and Local School Administrators, Classroom Teachers.

Activity - Digital Resources	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Teachers and administrators will use digital tools to support and enhance learning. Students will use the high-speed internet, computers, tablet PCs, digital cameras, video equipment, scanners and software applications in the classroom. Teachers will routinely use digital resources with students for a variety of purposes including research, texts, and multimedia. Digital versions of textbooks will be available to replace paper versions. Students will use blogs, post-Google Slides, podcasts, or videos online. These digital projects can be viewed by teachers, administrators, and peers.	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	District administrators, Principals, Classroom Teachers

Activity - Paperless Classroom	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Students will be issued a form of technology. This will allow students and teachers to make their written work anytime. Students can submit their assignments using digital drop-boxes and teachers can access them anywhere/anytime. Students and teachers will be able to collaborate online.	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	District staff, Principals, Classroom Teachers

### Measurable Objective 3:

90% of All Students will demonstrate a proficiency in reading throughout all grades in Reading by 07/01/2020 as measured by Classroom/student observations, final products/performance that demonstrates mastery of State Course of Study standards, decreased usage of paper and hard copy materials, written teacher reports, implementation of Courses of Study lesson plans.

### Strategy1:

Internet Safety and Precautions - promote internet safety and precautions. - Promote, support, and fund the use of challenge-based, instructional strategies that are delivered by teachers in technology-rich learning environments via training and online resource materials. Promote innovation, through the availability of tools of statewide benefit, to transition schools from the historical dependence on textbooks and toward an expanded online deployment of instructional materials. Provide professional development opportunities for teachers to develop effective, challenge-based lessons and units that require students to demonstrate critical thinking, research, and problem-solving

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skills using technology.

Category: Develop/Implement College and Career Ready Standards

Research Cited: NETS-S4, CCRS Literacy Standards; Plan2020 p. 14, 26, 54.

Activity - Students will be provided training in internet safety practices	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Students will be provided training in internet safety practices	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	Principals, Classroom Teachers, Counselors

Activity - Weekly Lessons	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Classroom teachers will provide weekly lessons targeting the dangers associated with failing to comply with internet safety guidelines.	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	Principals, Classroom teachers

Activity - Alabama Learning Exchange (ALEX)	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
The Alabama Learning Exchange (ALEX) is an online resource provided by the Alabama State Department of Education that provides educators access to a variety of educational materials. The categories within ALEX include Courses of Study, Learning Assets, Lesson Plans, Search, Personal Workspace, Professional Learning, Podcast Treasury, and Alexville. Access lessons on internet safety.	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	Classroom teacher, State Department of Education

**Identify at least two (2) district-wide activities geared toward preparing leaders to lead technology planning and use digital tools and resources effectively in their jobs as instructional leaders.**

### Goal 1:

Educator Learning - Educator Goal

### Measurable Objective 1:

90% of Pre-K, Kindergarten, First, Second, Third, Fourth, Fifth, Sixth, Seventh, Eighth, Ninth, Tenth, Eleventh, Twelfth, Postsecondary, Adult and Ungraded grade Black or African-American, Asian, White, Economically Disadvantaged, Gifted and Talented, Hispanic or Latino, Students with Disabilities, English Learners, Two or More Races, American Indian or Alaska Native and Native Hawaiian or Other Pacific Islander students will demonstrate a proficiency in the Google Path to Certification training sessions in Career & Technical by 07/01/2020 as measured by student work submitted through G Suites. .

### Strategy1:

Technology and digital resources - Provide students with opportunities to demonstrate creative thinking, collaboration, communication;

provide professional development opportunities for teachers to develop effective, challenge-based lessons and units that require students to demonstrate creative thinking, construct knowledge and develop innovative products and processes using technology; work to provide support and fund instructional technology integration specialists/technology coaches at the school level to increase teacher technology integration effectiveness and better prepare students to be college- and career-ready; principals should observe digital learning experiences in the classroom; and Professional Learning should be provided and designed to help teachers move from static, text-based resources to effective, dynamic, interactive, adaptive, multimedia/digital content powered by devices that engage, challenge, and empower students to learn in a variety of ways.

Category: Develop/Implement Learning Supports

Research Cited: Adapted from NETS•Teachers 1a-1d; ALQTS-3-D-1, 3-D-2, 3-D-3, 3-D-4; Plan 2020, p. 26, 29-30, 58-59, 78-80

Activity - Chrome Books	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Provide professional instruction to help teachers move from static, text-based resources to using digital devices and resources on Chrome Books. Have ongoing sessions for team leaders from each school who will return to share with other teachers in the school.	Professional Learning	12/02/2013	01/24/2014	\$0 - No Funding Required	Technology Supervisor

Activity - Assistance in digital technology	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Provided teachers with assistance in use of digital technologies in media centers.	Academic Support Program	08/19/2013	08/15/2016	\$0 - No Funding Required	media center specialist, classroom teachers

Activity - Lesson Plans	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Principal will look at teacher lesson plans to make sure they incorporate digital content and devices that engage, challenge, and empower students to learn in a variety of ways.	Other	08/19/2013	08/22/2016	\$0 - No Funding Required	School principal

**Measurable Objective 2:**

90% of All Students will demonstrate a proficiency in the Google Path to Certification training sessions in Career & Technical by 07/01/2020 as measured by student work submitted through G Suites.

**Strategy1:**

Technology resources - Provide students with opportunities to demonstrate creative thinking, collaboration, communication; provide professional development opportunities for teachers to develop effective, challenge-based lessons and units that require students to demonstrate creative thinking, construct knowledge and develop innovative products and processes using technology; work to provide support and fund instructional technology integration specialists/technology coaches at the school level to increase teacher technology integration effectiveness and better prepare students to be college- and career ready; principals should observe digital learning experiences in the classroom; and Professional Learning should be provided and designed to help teachers move from static, text-based resources to effective, dynamic, interactive, adaptive, multimedia/digital content powered by devices that engage, challenge, and empower students to learn in a variety of ways.

Category: Develop/Implement Learning Supports

Research Cited: Adapted from NETS•Teachers 1a-1d; ALQTS-3-D-1, 3-D-2, 3-D-3, 3-D-4; Plan 2020, p. 26, 29-30, 58-59, 78-80

Activity - Chrome Books	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Provide professional instruction to help teachers move from static, textbased resources to using digital devices and resources on Chrome Books. Have ongoing sessions for team leaders from each school who will return to share with other teachers in the school.	Professional Learning	08/07/2017	07/01/2020	\$0 - No Funding Required	Technology Supervisor, Classroom teachers

Activity - Lesson Plans	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
A principal will look at teacher lesson plans to make sure they incorporate digital content and devices that engage, challenge and empower students to learn in a variety of ways.	Professional Learning	08/07/2017	07/01/2020	\$0 - No Funding Required	School principal, classroom teachers

Activity - Assistance in digital technology	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Provided teachers with assistance in use of digital technologies in media centers.	Academic Support Program	08/07/2017	07/01/2020	\$0 - No Funding Required	media center specialist, classroom teachers

**Identify one (1) or more activities that facilitate and improve the use of telecommunications networks (phone/Internet/email) among educators, students, and parents/community to improve learning.**

**Goal 1:**

Technology Infrastructure

**Measurable Objective 1:**

collaborate to Ensure existing 802.11G WAPs are swapped out for 802.11N by 07/01/2020 as measured by The ratio in which the existing APs are replaced. Wireless G radios will be swapped one-to-one with Wireless N radios.

**Strategy1:**

Implement Wireless N in E-Rate Schools - We will start the implementation/replacement of the wireless G radios with schools that are e-rate eligible this year. This will give us additional wireless G radios that can be placed in areas or schools that are not e-rate eligible. This implementation will not only replace existing radios but will add much more coverage as we will implement one AP per classroom to help better support a growing population of wireless devices.

Category:

Research Cited:

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Activity - Begin Site Survey's At E-Rate Eligible Schools	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Begin using existing floor plans and measure current areas that either do not have a signal or a degraded signal. Plan for the best deployment of the wireless 'N' radios based on amount of wireless end-users while also ensuring this deployment is scalable.	Technology	08/07/2017	07/01/2020	\$32000 - USAC Technology	Charlie Jimmerson and Brian Tissue

### Measurable Objective 2:

collaborate to Increase Internet Bandwidth to 900Mbps by 07/01/2020 as measured by Alabama Super Computer's and Marshall County will collaborate used throughput throughout the school year to determine the necessity of an increase of bandwidth..

### Strategy1:

Monitor Internet Bandwidth Usage - Both ASC and Marshall County network administrators will monitor Internet bandwidth usage for the entire school year. In June of 2014, both with collaborate and work out a time to increase the available bandwidth.

Category:

Research Cited: Prior Experience

Activity - Internet Bandwidth Real-Time Monitoring and Archiving	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Used Internet bandwidth will be compared to available Internet bandwidth. The data will be provided by both Marshall County Schools and Alabama SuperComputer.	Technology	08/07/2017	07/01/2020	\$0 - No Funding Required	IT Department

### Measurable Objective 3:

collaborate to insure that each schools internal connections have the ability to communicate in 10GB data network backbone by 07/01/2020 as measured by the physical location of each device .

### Strategy1:

Switch Upgrade - Marshall County schools will use eRate funds to provide devices such as switches and routers in each MDF

Category: Other - Infrastructure

Research Cited:

Activity - Implementation	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Installation of new equipment	Technology	08/07/2017	07/01/2020	\$454000 - USAC Technology	IT Department

### Measurable Objective 4:

collaborate to Ensure All Schools Have a Publicly Accessible Web Site by 07/01/2020 as measured by Ensuring Web Site is Accessible.

### Strategy1:

Collaborate with SharpSchool To Ensure Public Sites - SharpSchool will host and provide an easy to use content management system to help SY 2017-2018

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ensure all schools in the district can provide employees and parents a publicly accessible web site.

Category: Develop/Implement Learning Supports

Research Cited:

Activity - Continue Hosting Contract with Sharpschool	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
We will continue to use SCHOOLinSITES who hosts and maintains all of our school's web sites.	Technology	08/07/2017	07/01/2020	\$60000 - USAC Technology	Charlie Jimmerson

**Measurable Objective 5:**

collaborate to Ensure students, teachers, and administrators have excellent, viable bandwidth and wireless connectivity in order to access the Internet, digital learning resources, productivity tools, online assessments, and data (educators). by 07/01/2020 as measured by Ensuring 100Mbps per 1000 students and staff by 2017-18 Gbps per 1000 students and staff.

**Strategy1:**

Collect Wireless and LAN Inventory - Collect, analyze, and report aggregate infrastructure data for schools, districts, state report card, and the state board of education.

Category:

Research Cited:

Activity - Bandwidth Traffic Data	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Measure bandwidth traffic data by using in-house tools such as NeDI for device inventory, Opview for device up-time and supported through-put, and LSR to measure day-to-day traffic.	Technology	08/07/2017	07/01/2020	\$0 - No Funding Required	ITS and Charlie Jimmerson

**Identify at least three (3) activities that explain how the network, technical support staff, instructional support staff, and digital teaching and learning resources accessed through the network will be linked to the achievement of learning goals of the District.**

**Goal 1:**

Technology Infrastructure

**Measurable Objective 1:**

collaborate to Increase Internet Bandwidth to 900Mbps by 07/01/2020 as measured by Alabama Super Computer's and Marshall County will collaborate used throughput throughout the school year to determine the necessity of an increase of bandwidth..

**Strategy1:**

Monitor Internet Bandwidth Usage - Both ASC and Marshall County network administrators will monitor Internet bandwidth usage for the SY 2017-2018

entire school year. In June of 2014, both with collaborate and work out a time to increase the available bandwidth.

Category:

Research Cited: Prior Experience

Activity - Internet Bandwidth Real-Time Monitoring and Archiving	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Used Internet bandwidth will be compared to available Internet bandwidth. The data will be provided by both Marshall County Schools and Alabama SuperComputer.	Technology	08/07/2017	07/01/2020	\$0 - No Funding Required	IT Department

**Measurable Objective 2:**

collaborate to Ensure All Schools Have a Publicly Accessible Web Site by 07/01/2020 as measured by Ensuring Web Site is Accessible.

**Strategy1:**

Collaborate with Sharschool To Ensure Public Sites - Sharschool will host and provide an easy to use content management system to help ensure all schools in the district can provide employees and parents a publicly accessible web site.

Category: Develop/Implement Learning Supports

Research Cited:

Activity - Continue Hosting Contract with Sharschool	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
We will continue to use SCHOOLinSITES who hosts and maintains all of our school's web sites.	Technology	08/07/2017	07/01/2020	\$60000 - USAC Technology	Charlie Jimmerson

**Measurable Objective 3:**

collaborate to insure that each schools internal connections have the ability to communicate in 10GB data network backbone by 07/01/2020 as measured by the physical location of each device .

**Strategy1:**

Switch Upgrade - Marshall County schools will use eRate funds to provide devices such as switches and routers in each MDF

Category: Other - Infrastructure

Research Cited:

Activity - Implementation	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Installation of new equipment	Technology	08/07/2017	07/01/2020	\$454000 - USAC Technology	IT Department

**Measurable Objective 4:**

collaborate to Ensure existing 802.11G WAPs are swapped out for 802.11N by 07/01/2020 as measured by The ratio in which the existing APs are replaced. Wireless G radios will be swapped one-to-one with Wireless N radios.

**Strategy1:**

Implement Wireless N in E-Rate Schools - We will start the implementation/replacement of the wireless G radios with schools that are e-rate eligible this year. This will give us additional wireless G radios that can be placed in areas or schools that are not e-rate eligible. This implementation will not only replace existing radios but will add much more coverage as we will implement one AP per classroom to help better support a growing population of wireless devices.

Category:

Research Cited:

Activity - Begin Site Survey's At E-Rate Eligible Schools	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Begin using existing floor plans and measure current areas that either do not have a signal or a degraded signal. Plan for the best deployment of the wireless 'N' radios based on amount of wireless end-users while also ensuring this deployment is scalable.	Technology	08/07/2017	07/01/2020	\$32000 - USAC Technology	Charlie Jimmerson and Brian Tissue

**Measurable Objective 5:**

collaborate to Ensure students, teachers, and administrators have excellent, viable bandwidth and wireless connectivity in order to access the Internet, digital learning resources, productivity tools, online assessments, and data (educators). by 07/01/2020 as measured by Ensuring 100Mbps per 1000 students and staff by 2017-18 Gbps per 1000 students and staff.

**Strategy1:**

Collect Wireless and LAN Inventory - Collect, analyze, and report aggregate infrastructure data for schools, districts, state report card, and the state board of education.

Category:

Research Cited:

Activity - Bandwidth Traffic Data	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Measure bandwidth traffic data by using in-house tools such as NeDI for device inventory, Opview for device up-time and supported through-put, and LSR to measure day-to-day traffic.	Technology	08/07/2017	07/01/2020	\$0 - No Funding Required	ITS and Charlie Jimmerson

## Technology Plan Assurances

Label	Assurance	Response	Comment	Attachment
1.	The district has read, understands and complies with the assurances required of the Alabama Transform 2020 Technology plan.	Yes		

# **2017 - 2018 Alabama Technology Plan: Transform 2020\***

## Overview

### Plan Name

2017 - 2018 Alabama Technology Plan: Transform 2020\*

### Plan Description

Technology Plan 17/18

## Goals Summary

The following is a summary of the goals encompassed in this plan. The details for each goal are available in the next section.

#	Goal Name	Goal Details	Goal Type	Total Funding
1	Use technology to improve student academic success - Student Goal	Objectives: 3 Strategies: 3 Activities: 9	Academic	\$200000
2	Educator Learning - Educator Goal	Objectives: 2 Strategies: 2 Activities: 6	Academic	\$0
3	Technology Infrastructure	Objectives: 4 Strategies: 4 Activities: 4	Organizational	\$92000

## Goal 1: Use technology to improve student academic success - Student Goal

### Measurable Objective 1:

90% of Pre-K, Kindergarten, First, Second, Third, Fourth, Fifth, Sixth, Seventh, Eighth, Ninth, Tenth, Eleventh, Twelfth, Postsecondary, Adult and Ungraded grade Black or African-American, Asian, White, Economically Disadvantaged, Gifted and Talented, Hispanic or Latino, Students with Disabilities, English Learners, Two or More Races, American Indian or Alaska Native and Native Hawaiian or Other Pacific Islander students will demonstrate a proficiency in reading throughout all grades in Reading by 07/01/2020 as measured by Classroom/student observations, final products/performance that demonstrates mastery of State Course of Study standards, decreased usage of paper and hard copy materials, written teacher reports, implementation of Courses of Study lesson plans..

### Strategy 1:

Utilize online resources for testing in reading. - Assist teachers in moving from static, text-based resources to dynamic, interactive, adaptive, multimedia content powered by devices that engage, empower, and connect students to all forms of learning. Provide professional development opportunities for teachers to develop strategies that incorporate the use of digital tools into the daily curriculum. Provide, support and fund instructional technology support personnel in order to increase technology integration effectiveness in the classroom and better prepare students to be college and career ready. Provide tools for principals to use to document digital learning experiences in the classroom.

Category: Develop/Implement College and Career Ready Standards

Research Cited: NETS-S 3, CCRS Literacy Standards; Plan2020, p. 14, 54)

Activity - Chromebook Tablet PC	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
A Google Chromebook Tablet PC will be issued to as many students as possible.. Schools: All Schools	Technology	08/07/2017	07/01/2020	\$200000	General Fund	IT Staff, Principals, Classroom Teachers

Activity - Set individual goals through STAR and Global Scholar	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Students individual goals will be established through STAR reading and Global Scholar diagnostics. Schools: All Schools	Academic Support Program	08/07/2017	07/01/2020	\$0	No Funding Required	Classroom teachers

Activity - STAR and Global Scholar testing	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
All students will have access to available technology for assessment purposes. Schools: All Schools	Academic Support Program	08/07/2017	07/01/2020	\$0	No Funding Required	IT staff, Principals, Classroom Teachers

### Measurable Objective 2:

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90% of All Students will demonstrate a proficiency in reading throughout all grades in Reading by 07/01/2020 as measured by Classroom/student observations, final products/performance that demonstrates mastery of State Course of Study standards, decreased usage of paper and hard copy materials, written teacher reports, implementation of Courses of Study lesson plans.

### Strategy 1:

Internet Safety and Precautions - promote internet safety and precautions. - Promote, support, and fund the use of challenge-based, instructional strategies that are delivered by teachers in technology-rich learning environments via training and online resource materials. Promote innovation, through the availability of tools of statewide benefit, to transition schools from the historical dependence on textbooks and toward an expanded online deployment of instructional materials. Provide professional development opportunities for teachers to develop effective, challenge-based lessons and units that require students to demonstrate critical thinking, research, and problem-solving skills using technology.

Category: Develop/Implement College and Career Ready Standards

Research Cited: NETS-S4, CCRS Literacy Standards; Plan2020 p. 14, 26, 54.

Activity - Alabama Learning Exchange (ALEX)	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
The Alabama Learning Exchange (ALEX) is an online resource provided by the Alabama State Department of Education that provides educators access to a variety of educational materials. The categories within ALEX include Courses of Study, Learning Assets, Lesson Plans, Search, Personal Workspace, Professional Learning, Podcast Treasury, and Alexville. Access lessons on internet safety.  Schools: All Schools	Academic Support Program	08/07/2017	07/01/2020	\$0	No Funding Required	Classroom teacher, State Department of Education

Activity - Students will be provided training in internet safety practices	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Students will be provided training in internet safety practices  Schools: All Schools	Academic Support Program	08/07/2017	07/01/2020	\$0	No Funding Required	Principals, Classroom Teachers, Counselors

Activity - Weekly Lessons	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Classroom teachers will provide weekly lessons targeting the dangers associated with failing to comply with internet safety guidelines.  Schools: All Schools	Academic Support Program	08/07/2017	07/01/2020	\$0	No Funding Required	Principals, Classroom teachers

### Measurable Objective 3:

90% of All Students will demonstrate a proficiency of a sound understanding of technology concepts, systems, and operations in Career & Technical by 07/01/2020 as measured by student portfolios, classroom/student observation, implementation of Courses of Study lesson plans.

### Strategy 1:

Preparation for the workforce - Provide a variety of digital resources applicable for students use that helps teacher integrate the effective uses of technology concepts,

systems, and operations into the curriculum. Provide professional development opportunities for teachers that include best practices for integrating the effective use of technology into the curriculum.

Category: Develop/Implement College and Career Ready Standards

Research Cited: NETS-S6, CCRS Literacy Standards, Plan2020 p. 14, 54

Activity - Paperless Classroom	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Students will be issued a form of technology. This will allow students and teachers to make their written work anytime. Students can submit their assignments using digital drop-boxes and teachers can access them anywhere/anytime. Students and teachers will be able to collaborate online.  Schools: All Schools	Academic Support Program	08/07/2017	07/01/2020	\$0	No Funding Required	District staff, Principals, Classroom Teachers

Activity - Teacher Training	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Classroom teachers will be offered professional development opportunities to help them learn ways to better facilitate a digital classroom. District and local school training sessions will be offered on an ongoing basis throughout the school year. Teachers will be encouraged to attend summer training sessions and workshops that address the use and integration of digital resources in the classroom such as the Alabama Educational Technology Conference.  Schools: All Schools	Career Preparation/Orientation	08/07/2017	07/01/2020	\$0	No Funding Required	District and Local School Administrators, Classroom Teachers.

Activity - Digital Resources	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teachers and administrators will use digital tools to support and enhance learning. Students will use the high-speed internet, computers, tablet PCs, digital cameras, video equipment, scanners and software applications in the classroom. Teachers will routinely use digital resources with students for a variety of purposes including research, texts, and multimedia. Digital versions of textbooks will be available to replace paper versions. Students will use blogs, post-Google Slides, podcasts, or videos online. These digital projects can be viewed by teachers, administrators, and peers.  Schools: All Schools	Academic Support Program	08/07/2017	07/01/2020	\$0	No Funding Required	District administrators, Principals, Classroom Teachers

## Goal 2: Educator Learning - Educator Goal

### Measurable Objective 1:

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90% of Pre-K, Kindergarten, First, Second, Third, Fourth, Fifth, Sixth, Seventh, Eighth, Ninth, Tenth, Eleventh, Twelfth, Postsecondary, Adult and Ungraded grade Black or African-American, Asian, White, Economically Disadvantaged, Gifted and Talented, Hispanic or Latino, Students with Disabilities, English Learners, Two or More Races, American Indian or Alaska Native and Native Hawaiian or Other Pacific Islander students will demonstrate a proficiency in the Google Path to Certification training sessions in Career & Technical by 07/01/2020 as measured by student work submitted through G Suites. .

### Strategy 1:

Technology and digital resources - Provide students with opportunities to demonstrate creative thinking, collaboration, communication; provide professional development opportunities for teachers to develop effective, challenge-based lessons and units that require students to demonstrate creative thinking, construct knowledge and develop innovative products and processes using technology; work to provide support and fund instructional technology integration specialists/technology coaches at the school level to increase teacher technology integration effectiveness and better prepare students to be college- and career-ready; principals should observe digital learning experiences in the classroom; and Professional Learning should be provided and designed to help teachers move from static, text-based resources to effective, dynamic, interactive, adaptive, multimedia/digital content powered by devices that engage, challenge, and empower students to learn in a variety of ways.

Category: Develop/Implement Learning Supports

Research Cited: Adapted from NETS•Teachers 1a-1d; ALQTS-3-D-1, 3-D-2, 3-D-3, 3-D-4; Plan 2020, p. 26, 29-30, 58-59, 78-80

Activity - Chrome Books	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Provide professional instruction to help teachers move from static, text-based resources to using digital devices and resources on Chrome Books. Have ongoing sessions for team leaders from each school who will return to share with other teachers in the school.  Schools: All Schools	Professional Learning	12/02/2013	01/24/2014	\$0	No Funding Required	Technology Supervisor

Activity - Assistance in digital technology	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Provided teachers with assistance in use of digital technologies in media centers.  Schools: All Schools	Academic Support Program	08/19/2013	08/15/2016	\$0	No Funding Required	media center specialist, classroom teachers

Activity - Lesson Plans	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Principal will look at teacher lesson plans to make sure they incorporate digital content and devices that engage, challenge, and empower students to learn in a variety of ways.  Schools: All Schools	Other	08/19/2013	08/22/2016	\$0	No Funding Required	School principal

### Measurable Objective 2:

90% of All Students will demonstrate a proficiency in the Google Path to Certification training sessions in Career & Technical by 07/01/2020 as measured by student work submitted through G Suites.

**Strategy 1:**

Technology resources - Provide students with opportunities to demonstrate creative thinking, collaboration, communication; provide professional development opportunities for teachers to develop effective, challenge-based lessons and units that require students to demonstrate creative thinking, construct knowledge and develop innovative products and processes using technology; work to provide support and fund instructional technology integration specialists/technology coaches at the school level to increase teacher technology integration effectiveness and better prepare students to be college- and career ready; principals should observe digital learning experiences in the classroom; and Professional Learning should be provided and designed to help teachers move from static, text-based resources to effective, dynamic, interactive, adaptive, multimedia/digital content powered by devices that engage, challenge, and empower students to learn in a variety of ways.

Category: Develop/Implement Learning Supports

Research Cited: Adapted from NETS•Teachers 1a-1d; ALQTS-3-D-1, 3-D-2, 3-D-3, 3-D-4; Plan 2020, p. 26, 29-30, 58-59, 78-80

Activity - Chrome Books	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Provide professional instruction to help teachers move from static, textbased resources to using digital devices and resources on Chrome Books. Have ongoing sessions for team leaders from each school who will return to share with other teachers in the school.  Schools: All Schools	Professional Learning	08/07/2017	07/01/2020	\$0	No Funding Required	Technology Supervisor, Classroom teachers
Activity - Assistance in digital technology	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Provided teachers with assistance in use of digital technologies in media centers.  Schools: All Schools	Academic Support Program	08/07/2017	07/01/2020	\$0	No Funding Required	media center specialist, classroom teachers
Activity - Lesson Plans	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
A principal will look at teacher lesson plans to make sure they incorporate digital content and devices that engage, challenge and empower students to learn in a variety of ways.  Schools: All Schools	Professional Learning	08/07/2017	07/01/2020	\$0	No Funding Required	School principal, classroom teachers

**Goal 3: Technology Infrastructure**

**Measurable Objective 1:**

collaborate to Ensure students, teachers, and administrators have excellent, viable bandwidth and wireless connectivity in order to access the Internet, digital learning resources, productivity tools, online assessments, and data (educators). by 07/01/2018 as measured by Ensuring 100Mbps per 1000 students and staff by 2017-18 Gbps per 1000 students and staff.

**Strategy 1:**

Collect Wireless and LAN Inventory - Collect, analyze, and report aggregate infrastructure data for schools, districts, state report card, and the state board of education.

Category:

Activity - Bandwidth Traffic Data	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Measure bandwidth traffic data by using in-house tools such as NeDI for device inventory, Opsview for device up-time and supported through-put, and LSR to measure day-to-day traffic.  Schools: All Schools	Technology	09/20/2013	06/01/2018	\$0	No Funding Required	ITS and Charlie Jimmerson

**Measurable Objective 2:**

collaborate to Ensure existing 802.11G WAPs are swapped out for 802.11N by 06/01/2018 as measured by The ratio in which the existing APs are replaced. Wireless G radios will be swapped one-to-one with Wireless N radios.

**Strategy 1:**

Implement Wireless N in E-Rate Schools - We will start the implementation/replacement of the wireless G radios with schools that are e-rate eligible this year. This will give us additional wireless G radios that can be placed in areas or schools that are not e-rate eligible. This implementation will not only replace existing radios but will add much more coverage as we will implement one AP per classroom to help better support a growing population of wireless devices.

Category:

Activity - Begin Site Survey's At E-Rate Eligible Schools	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Begin using existing floor plans and measure current areas that either do not have a signal or a degraded signal. Plan for the best deployment of the wireless 'N' radios based on amount of wireless end-users while also ensuring this deployment is scalable.  Schools: Asbury Elementary School, Asbury High School, Douglas Elementary School	Technology	11/04/2013	06/01/2018	\$32000	USAC Technology	Charlie Jimmerson and Brian Tissue

**Measurable Objective 3:**

collaborate to Increase Internet Bandwidth to 900Mbps by 06/01/2018 as measured by Alabama Super Computer's and Marshall County will collaborate used throughput throughout the school year to determine the necessity of an increase of bandwidth..

**Strategy 1:**

Monitor Internet Bandwidth Usage - Both ASC and Marshall County network administrators will monitor Internet bandwidth usage for the entire school year. In June of 2014, both with collaborate and work out a time to increase the available bandwidth.

Category:

Research Cited: Prior Experience

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Activity - Internet Bandwidth Real-Time Monitoring and Archiving	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Used Internet bandwidth will be compared to available Internet bandwidth. The data will be provided by both Marshall County Schools and Alabama SuperComputer.  Schools: All Schools	Technology	06/01/2014	07/01/2014	\$0	No Funding Required	Brian Tissue

**Measurable Objective 4:**

collaborate to Ensure All Schools Have a Publicly Accessible Web Site by 06/01/2018 as measured by Ensuring Web Site is Accessible.

**Strategy 1:**

Collaborate with Sharpschool To Ensure Public Sites - Sharpschool will host and provide an easy to use content management system to help ensure all schools in the district can provide employees and parents a publicly accessible web site.

Category: Develop/Implement Learning Supports

Activity - Continue Hosting Contract with Sharpschool	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
We will continue to use SCHOOLinSITES who hosts and maintains all of our school's web sites.  Schools: All Schools	Technology	07/01/2014	06/01/2018	\$60000	USAC Technology	Charlie Jimmerson

## Activity Summary by Funding Source

Below is a breakdown of your activities by funding source

### General Fund

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
Chromebook Tablet PC	A Google Chromebook Tablet PC will be issued to as many students as possible..	Technology	08/07/2017	07/01/2020	\$200000	IT Staff, Principals, Classroom Teachers
<b>Total</b>					\$200000	

### No Funding Required

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
Lesson Plans	Principal will look at teacher lesson plans to make sure they incorporate digital content and devices that engage, challenge, and empower students to learn in a variety of ways.	Other	08/19/2013	08/22/2016	\$0	School principal
Assistance in digital technology	Provided teachers with assistance in use of digital technologies in media centers.	Academic Support Program	08/07/2017	07/01/2020	\$0	media center specialist, classroom teachers
Digital Resources	Teachers and administrators will use digital tools to support and enhance learning. Students will use the high-speed internet, computers, tablet PCs, digital cameras, video equipment, scanners and software applications in the classroom. Teachers will routinely use digital resources with students for a variety of purposes including research, texts, and multimedia. Digital versions of textbooks will be available to replace paper versions. Students will use blogs, post-Google Slides, podcasts, or videos online. These digital projects can be viewed by teachers, administrators, and peers.	Academic Support Program	08/07/2017	07/01/2020	\$0	District administrators, Principals, Classroom Teachers
Alabama Learning Exchange (ALEX)	The Alabama Learning Exchange (ALEX) is an online resource provided by the Alabama State Department of Education that provides educators access to a variety of educational materials. The categories within ALEX include Courses of Study, Learning Assets, Lesson Plans, Search, Personal Workspace, Professional Learning, Podcast Treasury, and Alexville. Access lessons on internet safety.	Academic Support Program	08/07/2017	07/01/2020	\$0	Classroom teacher, State Department of Education

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Bandwidth Traffic Data	Measure bandwidth traffic data by using in-house tools such as NeDI for device inventory, Opsview for device up-time and supported through-put, and LSR to measure day-to-day traffic.	Technology	09/20/2013	06/01/2018	\$0	ITS and Charlie Jimmerson
Paperless Classroom	Students will be issued a form of technology. This will allow students and teachers to make their written work anytime. Students can submit their assignments using digital drop-boxes and teachers can access them anywhere/anytime. Students and teachers will be able to collaborate online.	Academic Support Program	08/07/2017	07/01/2020	\$0	District staff, Principals, Classroom Teachers
Internet Bandwidth Real-Time Monitoring and Archiving	Used Internet bandwidth will be compared to available Internet bandwidth. The data will be provided by both Marshall County Schools and Alabama SuperComputer.	Technology	06/01/2014	07/01/2014	\$0	Brian Tissue
Weekly Lessons	Classroom teachers will provide weekly lessons targeting the dangers associated with failing to comply with internet safety guidelines.	Academic Support Program	08/07/2017	07/01/2020	\$0	Principals, Classroom teachers
Assistance in digital technology	Provided teachers with assistance in use of digital technologies in media centers.	Academic Support Program	08/19/2013	08/15/2016	\$0	media center specialist, classroom teachers
Chrome Books	Provide professional instruction to help teachers move from static, textbased resources to using digital devices and resources on Chrome Books. Have ongoing sessions for team leaders from each school who will return to share with other teachers in the school.	Professional Learning	08/07/2017	07/01/2020	\$0	Technology Supervisor, Classroom teachers
STAR and Global Scholar testing	All students will have access to available technology for assessment purposes.	Academic Support Program	08/07/2017	07/01/2020	\$0	IT staff, Principals, Classroom Teachers
Lesson Plans	A principal will look at teacher lesson plans to make sure they incorporate digital content and devices that engage, challenge and empower students to learn in a variety of ways.	Professional Learning	08/07/2017	07/01/2020	\$0	School principal, classroom teachers
Set individual goals through STAR and Global Scholar	Students individual goals will be established through STAR reading and Global Scholar diagnostics.	Academic Support Program	08/07/2017	07/01/2020	\$0	Classroom teachers
Teacher Training	Classroom teachers will be offered professional development opportunities to help them learn ways to better facilitate a digital classroom. District and local school training sessions will be offered on an ongoing basis throughout the school year. Teachers will be encouraged to attend summer training sessions and workshops that address the use and integration of digital resources in the classroom such as the Alabama Educational Technology Conference.	Career Preparation/Orientation	08/07/2017	07/01/2020	\$0	District and Local School Administrators, Classroom Teachers.
Students will be provided training in internet safety practices	Students will be provided training in internet safety practices	Academic Support Program	08/07/2017	07/01/2020	\$0	Principals, Classroom Teachers, Counselors

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Chrome Books	Provide professional instruction to help teachers move from static, text-based resources to using digital devices and resources on Chrome Books. Have ongoing sessions for team leaders from each school who will return to share with other teachers in the school.	Professional Learning	12/02/2013	01/24/2014	\$0	Technology Supervisor
<b>Total</b>					\$0	

**USAC Technology**

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
Begin Site Survey's At E-Rate Eligible Schools	Begin using existing floor plans and measure current areas that either do not have a signal or a degraded signal. Plan for the best deployment of the wireless 'N' radios based on amount of wireless end-users while also ensuring this deployment is scalable.	Technology	11/04/2013	06/01/2018	\$32000	Charlie Jimmerson and Brian Tissue
Continue Hosting Contract with Sharschool	We will continue to use SCHOOLinSITES who hosts and maintains all of our school's web sites.	Technology	07/01/2014	06/01/2018	\$60000	Charlie Jimmerson
<b>Total</b>					\$92000	

## Activity Summary by School

Below is a breakdown of activity by school.

### All Schools

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
Bandwidth Traffic Data	Measure bandwidth traffic data by using in-house tools such as NeDI for device inventory, Opsview for device up-time and supported through-put, and LSR to measure day-to-day traffic.	Technology	09/20/2013	06/01/2018	\$0	ITS and Charlie Jimmerson
Internet Bandwidth Real-Time Monitoring and Archiving	Used Internet bandwidth will be compared to available Internet bandwidth. The data will be provided by both Marshall County Schools and Alabama SuperComputer.	Technology	06/01/2014	07/01/2014	\$0	Brian Tissue
Continue Hosting Contract with Sharpschool	We will continue to use SCHOOLinSITES who hosts and maintains all of our school's web sites.	Technology	07/01/2014	06/01/2018	\$60000	Charlie Jimmerson
Chromebook Tablet PC	A Google Chromebook Tablet PC will be issued to as many students as possible..	Technology	08/07/2017	07/01/2020	\$200000	IT Staff, Principals, Classroom Teachers
Chrome Books	Provide professional instruction to help teachers move from static, text-based resources to using digital devices and resources on Chrome Books. Have ongoing sessions for team leaders from each school who will return to share with other teachers in the school.	Professional Learning	12/02/2013	01/24/2014	\$0	Technology Supervisor
Assistance in digital technology	Provided teachers with assistance in use of digital technologies in media centers.	Academic Support Program	08/19/2013	08/15/2016	\$0	media center specialist, classroom teachers
Lesson Plans	Principal will look at teacher lesson plans to make sure they incorporate digital content and devices that engage, challenge, and empower students to learn in a variety of ways.	Other	08/19/2013	08/22/2016	\$0	School principal
Set individual goals through STAR and Global Scholar	Students individual goals will be established through STAR reading and Global Scholar diagnostics.	Academic Support Program	08/07/2017	07/01/2020	\$0	Classroom teachers
STAR and Global Scholar testing	All students will have access to available technology for assessment purposes.	Academic Support Program	08/07/2017	07/01/2020	\$0	IT staff, Principals, Classroom Teachers

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Alabama Learning Exchange (ALEX)	The Alabama Learning Exchange (ALEX) is an online resource provided by the Alabama State Department of Education that provides educators access to a variety of educational materials. The categories within ALEX include Courses of Study, Learning Assets, Lesson Plans, Search, Personal Workspace, Professional Learning, Podcast Treasury, and Alexville. Access lessons on internet safety.	Academic Support Program	08/07/2017	07/01/2020	\$0	Classroom teacher, State Department of Education
Students will be provided training in internet safety practices	Students will be provided training in internet safety practices	Academic Support Program	08/07/2017	07/01/2020	\$0	Principals, Classroom Teachers, Counselors
Weekly Lessons	Classroom teachers will provide weekly lessons targeting the dangers associated with failing to comply with internet safety guidelines.	Academic Support Program	08/07/2017	07/01/2020	\$0	Principals, Classroom teachers
Paperless Classroom	Students will be issued a form of technology. This will allow students and teachers to make their written work anytime. Students can submit their assignments using digital drop-boxes and teachers can access them anywhere/anytime. Students and teachers will be able to collaborate online.	Academic Support Program	08/07/2017	07/01/2020	\$0	District staff, Principals, Classroom Teachers
Teacher Training	Classroom teachers will be offered professional development opportunities to help them learn ways to better facilitate a digital classroom. District and local school training sessions will be offered on an ongoing basis throughout the school year. Teachers will be encouraged to attend summer training sessions and workshops that address the use and integration of digital resources in the classroom such as the Alabama Educational Technology Conference.	Career Preparation/Orientation	08/07/2017	07/01/2020	\$0	District and Local School Administrators, Classroom Teachers.
Digital Resources	Teachers and administrators will use digital tools to support and enhance learning. Students will use the high-speed internet, computers, tablet PCs, digital cameras, video equipment, scanners and software applications in the classroom. Teachers will routinely use digital resources with students for a variety of purposes including research, texts, and multimedia. Digital versions of textbooks will be available to replace paper versions. Students will use blogs, post-Google Slides, podcasts, or videos online. These digital projects can be viewed by teachers, administrators, and peers.	Academic Support Program	08/07/2017	07/01/2020	\$0	District administrators, Principals, Classroom Teachers
Chrome Books	Provide professional instruction to help teachers move from static, textbased resources to using digital devices and resources on Chrome Books. Have ongoing sessions for team leaders from each school who will return to share with other teachers in the school.	Professional Learning	08/07/2017	07/01/2020	\$0	Technology Supervisor, Classroom teachers
Assistance in digital technology	Provided teachers with assistance in use of digital technologies in media centers.	Academic Support Program	08/07/2017	07/01/2020	\$0	media center specialist, classroom teachers

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Lesson Plans	A principal will look at teacher lesson plans to make sure they incorporate digital content and devices that engage, challenge and empower students to learn in a variety of ways.	Professional Learning	08/07/2017	07/01/2020	\$0	School principal, classroom teachers
<b>Total</b>					\$260000	

**Douglas Elementary School**

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
Begin Site Survey's At E-Rate Eligible Schools	Begin using existing floor plans and measure current areas that either do not have a signal or a degraded signal. Plan for the best deployment of the wireless 'N' radios based on amount of wireless end-users while also ensuring this deployment is scalable.	Technology	11/04/2013	06/01/2018	\$32000	Charlie Jimmerson and Brian Tissue
<b>Total</b>					\$32000	

**Asbury High School**

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
Begin Site Survey's At E-Rate Eligible Schools	Begin using existing floor plans and measure current areas that either do not have a signal or a degraded signal. Plan for the best deployment of the wireless 'N' radios based on amount of wireless end-users while also ensuring this deployment is scalable.	Technology	11/04/2013	06/01/2018	\$32000	Charlie Jimmerson and Brian Tissue
<b>Total</b>					\$32000	

**Asbury Elementary School**

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
Begin Site Survey's At E-Rate Eligible Schools	Begin using existing floor plans and measure current areas that either do not have a signal or a degraded signal. Plan for the best deployment of the wireless 'N' radios based on amount of wireless end-users while also ensuring this deployment is scalable.	Technology	11/04/2013	06/01/2018	\$32000	Charlie Jimmerson and Brian Tissue
<b>Total</b>					\$32000	