



Alabama Technology Plan: Transform 2020

Lawrence County Board of Education

Mr. Johnny Yates, Superintendent
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Moulton, AL 35650

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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?

The Lawrence County School district maintains an average enrollment of 5,000 students. There are 12 schools representing seven communities. Four high schools include 5A Lawrence County High, 4A East Lawrence High, 2A Hatton High, and 1A RA Hubbard High. The Lawrence County Center of Technology is serves as a training center for current career paths for all of our high schools. Our feeder schools include Moulton Elementary, serving grades K - 5 and Moulton Middle, serving grades 5 - 8. Speake Elementary serves grades K - 8, and upon completion of middle school transfer into Lawrence County High 9 - 12. Feeder Schools in the Caddo or east side of the county include East Lawrence Elementary K - 3 and East Lawrence Middle 4 - 8 serving as the foundation for East Lawrence High 9-12 school. Hatton elementary serves K - 6 and Mount Hope Elementary serves K - 8 and these students at the completion of their school's highest grade transfer into Hatton High 7 - 12 school. Hazlewood school serves K - 8 and these students transfer into RA Hubbard which is the only K - 12 unit school in the district. According to the most recent census count the population of the county has 34,803 people residing in it.

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.

Motto: Excellent Instruction For Every Child in Every Class Every Day

Vision Statement: We will partner with community to empower all students to become self-learners by providing excellent instruction for every child in every class every day, developing responsible citizens who are college and career ready.

Mission Statement: We eagerly join hands in partnership with all stakeholders to provide a quality education in a safe and positive learning environment.

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.

The district continues to increase the types and frequency of gathering perceptual data in the decision-making process. At the district level, supervisors meet weekly to hear the superintendent's report, collaborate with each department and use information to best coordinate and support initiatives in the schools. The district uses a number of survey tools to communicate and gain insight from other stakeholders. The district also hosts round-table discussions with representatives from all specialty areas of each school to gain insight and information in order to make the best discussion for all. The discussions cover topics such as school identities, purchase of software or programs, changes in procedures or structures, and other topics relevant in the decision-making process.

The district is also a member of Best Practices organizations

Additional Information

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

na

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.

The stakeholders are the members of the district's technology integration committee and others who have an involvement or interest. Committee members at the individual schools were chosen based on their roles, skills and/or participation and involvement in school technology. Central Office committee members were chosen because they are directors in their departments and in charge of implementation and funding in their departments. Other members were chosen by the Technology Integration Specialist or Technology Coordinator and agreed to serve as members, Team members are involved in their specific areas of knowledge at the schools and on various committees. The members communicate input from these activities to the technology planning effort. The technology planning team schedules meetings as needed and communicates via email. The Technology Integration Specialist and Coordinator are involved with technology planning at all of the schools and different programs. They regularly contact and discuss the ongoing technology process with school principals and technology leaders. On a central office level, the technology integration specialist and technology coordinator participates in a weekly program coordinators' meeting where technology issues are discussed and collaborative planning is initiated. The technology coordinator and technology integration specialist meet regularly with program coordinators to assist in technology planning and help with technology needs.

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

The following stakeholder groups were represented: technology office, superintendent, central office administrators, custodian of funds, teachers, students, special education, child nutrition, career tech and federal programs, ag initiative. The stakeholders are responsible for communicating their technology needs to the superintendent and technology office. The team members of the district's Technology Planning Team are:

Name - Title/Position - Specialization

Larry Smith - District Technology Coordinator - technology - core writing team

Casey Reed- Federal Programs Director - federal - core writing team

Veronica Bayles - Instructional Coach - curriculum - core writing team

Johnny Yates - Superintendent

Laura Gaines - Assistant Technology Coordinator - technology

Donna Flannagan - Special Ed Director - special ed

Amy Cater - Teacher, Moulton Middle - Technology Integration

Patti Terry - Teacher, East Lawrence Middle - Technology Integration

Victoria King - Teacher, R.A. Hubbard - Technology Integration

Blake Ferguson - Band Director, Lawrence County High - Technology Integration

Leah Hembree - Media Specialist, East Lawrence High School - Technology Integration

Baine Garner - Principal, East Lawrence Middle School - Technology Integration

Sonya Kilpatrick - Teacher, Moulton Middle - Technology Integration

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Abbie Tate Carpenter - Teacher, Hazlewood Elementary - Technology Integration

Nikki Long - Parent - Technology Integration

Ginger Jones - Teacher, Moulton Elementary - Technology Integration

Debbie McKelvy - Community - Technology Integration

Kendra Parker - Teacher, Moulton Elementary School - Technology Integration

Shena Campbell - Teacher, Mount Hope School

Veronica Bayles - Assistant Principal, Lawrence County High School - curriculum

Chasity Carroll - Teacher, Hatton High School

Judy McCaghren - Lab Facilitator, East Lawrence Middle - Technology Integration

Sonia Burden - Business Education Teacher, Lawrence County Center of Technology - Career Tech.

Tammy LaGrande - Computer Lab Facilitator, Judy Jester Learning Center

Mike Dyar - Cisco Engineer, Iron Mountain Consulting - networking consultant

Reta Waldrep - Board Member, Lawrence County Board of Education

Suzy Berryman - Custodian of Funds

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 plan will be distributed to the technology planning team via email and posted on the district's website. Progress reports will be emailed monthly and a follow up meeting will be scheduled during the school year to assess progress and discuss plan effectiveness.

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:

- Board of Education actions
- Compliance Monitoring Reports
- Continuous Improvement Plan
- Federal Government Regulations
- Inventory & Infrastructure Report-- Fast and Easy Access to network, and Availability of Technology
- Technology Program Audit, etc.
- Transform2020 Surveys (*Required)

network bandwidth charts

technology office records

committee meetings

supervisor and principals' meetings

Observation during supervisor walk-throughs

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 - more bandwidth, faster infrastructure, more wireless coverage

b. strengths - easy access to network, variety of digital content

c. network bandwidth charts at peak time show that the internal bandwidth between schools is much more than 100 MB and the Internet bandwidth for the district exceeds 200 MB. Currently, the district only has about 75% wireless coverage.

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. more wireless access points

2. new 1 GB switches to replace 100 MB switches

3. replace 500+ windows XP computers

b. Strengths

1. now have over 1000 mobile devices including Ipads and Chromebooks

2. fast and easy access to technology

3. managed wireless access

c. data sources

1. inventory reports

2. teacher survey

3. technology office records

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. areas of need

1. standardized use of technology resources and content across district

2. more teacher training in use of digital content

3. more access to distance learning in lower grades

b. strengths

1. expanded wireless coverage allowing use of personal digital devices as a student learning tool
2. a wide variety of research-based digital resources
3. increasing inventory of modern digital hardware for student use

c. data sources

1. needs assessments
2. inventories
3. committee meetings
4. supervisor and principals' meetings

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. areas of need

1. PL in technology integration
2. PL in use of mobile devices
3. PL in creating digital lessons

b. strengths

1. strong use of TIM
2. train the trainer approach
3. pl learning program managed at district level

c. data sources

1. Compliance Monitoring Reports
2. Professional Learning Evaluations, Lesson Plans
3. Transform 2020 Surveys

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. areas of need

1. teachers need to accomplish true technology integration
2. teachers need to be more creative and innovative in use of digital resources
3. teachers should collaborate more with each other and with students

b. strengths

1. the district now has a technology integration specialist
2. teachers are beginning to incorporate technology regularly into lesson plans
3. teachers are becoming interactive with students in classroom technology use

c. data sources

1. Continuous Improvement Plan
2. Transform 2020 Surveys
3. Observation during supervisor walk throughs

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. areas of need

1. more standardization with teacher technology tools
2. better infrastructure so that all teachers have the same connection speed
3. school level technology technical support for teachers

b. strengths

1. all teachers have basic technology resources
2. all teachers are using some technology
3. more teachers are collaborating with students using technology

c. data sources

1. Transform 2020 Surveys
2. Technology Program Audit
3. Continuous Improvement Plan

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. areas of need

1. more standardization with leader technology tools
2. better infrastructure so that all leaders have the same connection speed
3. better communications between leaders and teachers

b. strengths

1. all leaders have excellent basic skills in technology areas
2. all leaders are also good teachers
3. all leaders are readily accessible to teachers

c. data sources

1. Transform 2020 Surveys
2. Technology Program Audit

3. Teacher interviews

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. areas of need

1. need more special consideration for special education technology needs
2. need to do a better job incorporating instructional technology into the new wireless infrastructure
3. need to do a better job of defining and incorporating technology integration based on the resources available.

b. strengths

1. there is a strong base of innovative technology strategies being promoted by the instructional coaches
2. through federal funds equipment is being acquired that supports 21st century learning concepts
3. there is a good infrastructure base to build upon

c. Inventory & Infrastructure Report

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.

The school district needs more professional development in several areas.

The following areas were identified where a professional learning focus is needed:

1. teacher training in the concepts of technology integration
2. teacher training in the use of digital content in the classroom
3. teacher and supervisor training in the use of mobile devices

The following outline summarizes a three year plan for implementing a professional learning program:

Year 1: delivery method: Face to Face and online time: 6 hrs.

who will attend: instructional coaches, principals, central office administrators, selected teachers and technology staff

who will present: Technology in Motion, Apple, Classworks, InCare, Lawrence County Schools Instructional Coaches, Technology Office staff

Year 2:

delivery method: Face to Face and online time: 9 hrs.

who will attend: instructional coaches, principals, central office administrators, selected teachers and technology staff

who will present: Technology in Motion, Apple, Classworks, InCare, Lawrence County Schools Instructional Coaches, Technology Office staff

Year 3:

delivery method: Face to Face and online time: 6 hrs.

who will attend: instructional coaches, principals, central office administrators, selected teachers and technology staff

who will present: Technology in Motion, Apple, Classworks, InCare, Lawrence County Schools Instructional Coaches, Technology Office staff

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.

The technology infrastructure and inventory of Lawrence County Schools has grown throughout the years in an attempt to support student achievement at all locations. The following is a summarized description of the current state of the inventory and infrastructure:

1. WAN Infrastructure: Lawrence County Schools has a robust WAN Infrastructure through AT&T MetroE service. This service is fiber-based. The Central Office is the host site and has 1 GB of bandwidth. Each school or location has 1 GB of bandwidth.

Wireless, on a district level, is managed by Ruckus and Cisco wireless controllers.

2. LAN infrastructure: The local area network infrastructure is a combination of fiber and copper connections. Each location has a fiber backbone with 100 MB copper cat 5 connections going out to classrooms. Cisco switches are used. In almost all locations there are multiple managed wireless networks for students, teachers and visitors. The 100 MB switches are being phased out and replaced with 1 GB switches.

3. Connectivity, Bandwidth, Internet Access: The schools and other locations are connected by AT&T MetroE with 1 GB connections. Internet access is through the Alabama Super Computer Authority, and there is 400 MB of bandwidth to the Internet.

The district and schools websites are hosted by Schoolinsites.

Email is hosted by the Alabama Super Computer Authority.

4. Information Security and Safety: The district uses firewall services from the Alabama Super Computer Authority, and all critical data servers are placed in DMZs for additional protection. Web content filtering is provided by 8E6 Appliances and by the Alabama Super Computer Authority. Additional security for wireless connections is made possible by a Cisco 5508 Wireless Controller. Personal device and tablet management is hosted by Meraki. The district has several acceptable use and security policies that govern faculty, staff and student use of technology.

5. Digital Content and tools include a number of resources. Included are Classworks, Ren. Learning, ALS, ThinkLink, ThinkCentral, Global Scholar and others. Several schools use social media services including Facebook to communicate with students and parents and promote campus activities. A number of teachers use Edmoto and Moodle to offer content to students and manage activities. Many teachers use streaming video resources such as YouTube. Students are allowed to bring their personal digital devices to school and use them in school related activities.

Label	Assurance	Response	Comment	Attachment
2.	Did you complete the Inventory for each school in your school system?	Yes	Inventory no longer uploaded here	

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:

Engage and Empower the Learner Through Technology

Measurable Objective 1:

demonstrate a proficiency 100 % of students will use critical thinking skills to plan, conduct research, prepare reports, complete assignments and projects, solve problems, and make informed decisions individually and collaboratively using appropriate digital tools and resources by 05/31/2016 as measured by Alabama Technology Transform 2020 Survey..

Strategy1:

using digital resources and critical thinking skills - Will provide 9-12 grade students opportunities to use digital resources to plan and conduct research, prepare reports and complete assignments during the 2013-14, 2014-15 and 2015-16 school years

Category:

Research Cited: Independent Survey by Lawrence County Schools 2015

Activity - Teach basic photo editing to students	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Teach 100% of 9 and 10th grade students to edit photos in Photoshop for use in multimedia presentations by 5/30/2016	Technology	08/05/2013	08/05/2016	\$0 - No Funding Required	Larry Smith, Technology Coordinator and High school technology teachers

Activity - short video	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Students will collaborate to create short videos on topics of local interest (i.e. growth of the wild hog population in Lawrence County)	Other	08/05/2013	08/05/2016	\$0 - No Funding Required	Teachers and administrators

Activity - Computer Programming	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Students will learning about basic computer programming, experiment with writing code and compile simple software programs	Other	08/05/2013	08/05/2016	\$0 - No Funding Required	Gina McCarley - LCHS

Goal 2:

Prepare and Support Teachers and Leaders to Graduate College- and Career-Ready Students

Measurable Objective 1:

demonstrate a proficiency 100 % of teachers exhibit knowledge, skills, and work processes that are representative of an innovative professional by 05/31/2016 as measured by Alabama Technology Transform 2020 Survey.

Strategy1:

from text based to multimedia - Provide Professional Learning 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. Time period: Aug. 2013 - Aug. 2016

Category:

Research Cited: Independent surveys and assessments conducted by Lawrence County Schools

Activity - train high school teachers to use mobile devices and apps	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Train high school teachers to use mobile devices and apps to create short multimedia presentations for use in instruction	Technology	08/05/2013	08/05/2016	\$0 - No Funding Required	administrative staff

Activity - Train teachers to use multimedia equipment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Train 100% of teachers to use vcams, audio programs, screen capture and other multimedia creation equipment by 5/30/2016	Technology	08/05/2013	08/05/2016	\$5000 - Other	Larry Smith, Technology Coordinator

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:

Engage and Empower the Learner Through Technology

Measurable Objective 1:

demonstrate a proficiency 100 % of students will use critical thinking skills to plan, conduct research, prepare reports, complete assignments and projects, solve problems, and make informed decisions individually and collaboratively using appropriate digital tools and resources by 05/31/2016 as measured by Alabama Technology Transform 2020 Survey..

Strategy1:

using digital resources and critical thinking skills - Will provide 9-12 grade students opportunities to use digital resources to plan and conduct research, prepare reports and complete assignments during the 2013-14, 2014-15 and 2015-16 school years

Category:

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Research Cited: Independent Survey by Lawrence County Schools 2015

Activity - Computer Programming	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Students will learning about basic computer programming, experiment with writing code and compile simple software programs	Other	08/05/2013	08/05/2016	\$0 - No Funding Required	Gina McCarley - LCHS

Activity - Teach basic photo editing to students	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Teach 100% of 9 and 10th grade students to edit photos in Photoshop for use in multimedia presentations by 5/30/2016	Technology	08/05/2013	08/05/2016	\$0 - No Funding Required	Larry Smith, Technology Coordinator and High school technology teachers

Activity - short video	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Students will collaborate to create short videos on topics of local interest (i.e. growth of the wild hog population in Lawrence County)	Other	08/05/2013	08/05/2016	\$0 - No Funding Required	Teachers and administrators

Goal 2:

Prepare and Support Teachers and Leaders to Graduate College- and Career-Ready Students

Measurable Objective 1:

demonstrate a proficiency 100 % of teachers exhibit knowledge, skills, and work processes that are representative of an innovative professional by 05/31/2016 as measured by Alabama Technology Transform 2020 Survey.

Strategy1:

from text based to multimedia - Provide Professional Learning 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. Time period: Aug. 2013 - Aug. 2016

Category:

Research Cited: Independent surveys and assessments conducted by Lawrence County Schools

Activity - train high school teachers to use mobile devices and apps	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Train high school teachers to use mobile devices and apps to create short multimedia presentations for use in instruction	Technology	08/05/2013	08/05/2016	\$0 - No Funding Required	administrative staff

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Activity - Train teachers to use multimedia equipment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Train 100% of teachers to use vcams, audio programs, screen capture and other multimedia creation equipment by 5/30/2016	Technology	08/05/2013	08/05/2016	\$5000 - Other	Larry Smith, Technology Coordinator

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:

Prepare and Support Teachers and Leaders to Graduate College- and Career-Ready Students

Measurable Objective 1:

demonstrate a proficiency 100% of teachers exhibit knowledge, skills, and work processes that are representative of an innovative professional by 05/31/2016 as measured by Alabama Technology Transform 2020 Survey.

Strategy1:

from text based to multimedia - Provide Professional Learning 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. Time period: Aug. 2013 - Aug. 2016

Category:

Research Cited: Independent surveys and assessments conducted by Lawrence County Schools

Activity - Train teachers to use multimedia equipment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Train 100% of teachers to use vcams, audio programs, screen capture and other multimedia creation equipment by 5/30/2016	Technology	08/05/2013	08/05/2016	\$5000 - Other	Larry Smith, Technology Coordinator

Activity - train high school teachers to use mobile devices and apps	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Train high school teachers to use mobile devices and apps to create short multimedia presentations for use in instruction	Technology	08/05/2013	08/05/2016	\$0 - No Funding Required	administrative staff

Goal 2:

All educators and students will have tools to access a comprehensive viable infrastructure when and where they need it.

Measurable Objective 1:

collaborate to Ensure that 100% of students, teachers, and administrators have excellent, viable bandwidth and wireless connectivity in order by 05/31/2016 as measured by observation of network equipment in place - analyzing infrastructure to assess progress - using utilities to

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measure bandwidth usage..

Strategy1:

assess wireless - assess the need and develop a plan for wireless access - The need for adequate wireless access will be assessed and a plan will be developed to implement adequate wireless throughout the district

Category:

Research Cited: Local needs assessment survey

Activity - wireless needs assessment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
develop and implement a needs assessment in order to determine district and school wireless needs	Technology	08/05/2013	05/31/2014	\$0 - No Funding Required	Technology Coordinator, Technology integration Specialist

Strategy2:

measure bandwidth - by researching, developing, and implementing tools to measure bandwidth and determine infrastructure reliability.

Category:

Research Cited: data about bandwidth usage of other districts

Activity - measure bandwidth	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
measure bandwidth usage and add additional bandwidth to accommodate a quality online experience	Tutoring	08/05/2013	05/31/2016	\$0 - No Funding Required	Technology Coordinator and staff

Strategy3:

Upgrade WLANS - upgrade WLANS in schools for 1:1 capabilities and full classroom coverage

Category:

Research Cited: Obtained information from workshops

Activity - install Wireless Equipment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Design and install WLAN equipment and configure controller for all schools. This will be a 5 month project.	Technology	10/13/2014	05/30/2016	\$10000 - Other	Larry Smith, technology Coordinator

Activity - Purchase Wireless Equipment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Purchase WLAN/LAN equipment and cabling necessary for upgrading all schools.	Technology	09/01/2014	05/30/2016	\$365500 - Other	Larry Smith, Technology Coordinator

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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:

Prepare and Support Teachers and Leaders to Graduate College- and Career-Ready Students

Measurable Objective 1:

demonstrate a proficiency 100 % of teachers exhibit knowledge, skills, and work processes that are representative of an innovative professional by 05/31/2016 as measured by Alabama Technology Transform 2020 Survey.

Strategy1:

from text based to multimedia - Provide Professional Learning 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. Time period: Aug. 2013 - Aug. 2016

Category:

Research Cited: Independent surveys and assessments conducted by Lawrence County Schools

Activity - Train teachers to use multimedia equipment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Train 100% of teachers to use vcams, audio programs, screen capture and other multimedia creation equipment by 5/30/2016	Technology	08/05/2013	08/05/2016	\$5000 - Other	Larry Smith, Technology Coordinator

Activity - train high school teachers to use mobile devices and apps	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Train high school teachers to use mobile devices and apps to create short multimedia presentations for use in instruction	Technology	08/05/2013	08/05/2016	\$0 - No Funding Required	administrative staff

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:

All educators and students will have tools to access a comprehensive viable infrastructure when and where they need it.

Measurable Objective 1:

collaborate to Ensure that 100% of students, teachers, and administrators have excellent, viable bandwidth and wireless connectivity in order by 05/31/2016 as measured by observation of network equipment in place - analyzing infrastructure to assess progress - using utilities to measure bandwidth usage..

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Strategy1:

measure bandwidth - by researching, developing, and implementing tools to measure bandwidth and determine infrastructure reliability.

Category:

Research Cited: data about bandwidth usage of other districts

Activity - measure bandwidth	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
measure bandwidth usage and add additional bandwidth to accomodate a quality online experience	Tutoring	08/05/2013	05/31/2016	\$0 - No Funding Required	Technology Coordinator and staff

Strategy2:

Upgrade WLANS - upgrade WLANs in schools for 1:1 capabilities and full classroom coverage

Category:

Research Cited: Obtained information from workshops

Activity - Purchase Wireless Equipment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Purchase WLAN/LAN equipment and cabling necessary for upgrading all schools.	Technology	09/01/2014	05/30/2016	\$365500 - Other	Larry Smith, Technology Coordinator

Activity - install Wireless Equipment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Design and install WLAN equipment and configure controller for all schools. This will be a 5 month project.	Technology	10/13/2014	05/30/2016	\$10000 - Other	Larry Smith, technology Coordinator

Strategy3:

assess wireless - assess the need and develop a plan for wireless access - The need for adequate wireless access will be assessed and a plan will be developed to implement adequate wireless throughout the district

Category:

Research Cited: Local needs assessment survey

Activity - wireless needs assessment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
develop and implement a needs assessment in order to determine district and school wireless needs	Technology	08/05/2013	05/31/2014	\$0 - No Funding Required	Technology Coordinator, Technology integration Specialist

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.

Alabama Technology Plan: Transform 2020

Lawrence County Board of Education

Goal 1:

Engage and Empower the Learner Through Technology

Measurable Objective 1:

demonstrate a proficiency 100 % of students will use critical thinking skills to plan, conduct research, prepare reports, complete assignments and projects, solve problems, and make informed decisions individually and collaboratively using appropriate digital tools and resources by 05/31/2016 as measured by Alabama Technology Transform 2020 Survey..

Strategy1:

using digital resources and critical thinking skills - Will provide 9-12 grade students opportunities to use digital resources to plan and conduct research, prepare reports and complete assignments during the 2013-14, 2014-15 and 2015-16 school years

Category:

Research Cited: Independent Survey by Lawrence County Schools 2015

Activity - short video	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Students will collaborate to create short videos on topics of local interest (i.e. growth of the wild hog population in Lawrence County)	Other	08/05/2013	08/05/2016	\$0 - No Funding Required	Teachers and administrators

Activity - Teach basic photo editing to students	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Teach 100% of 9 and 10th grade students to edit photos in Photoshop for use in multimedia presentations by 5/30/2016	Technology	08/05/2013	08/05/2016	\$0 - No Funding Required	Larry Smith, Technology Coordinator and High school technology teachers

Activity - Computer Programming	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Students will learning about basic computer programming, experiment with writing code and compile simple software programs	Other	08/05/2013	08/05/2016	\$0 - No Funding Required	Gina McCarley - LCHS

Goal 2:

Prepare and Support Teachers and Leaders to Graduate College- and Career-Ready Students

Measurable Objective 1:

demonstrate a proficiency 100 % of teachers exhibit knowledge, skills, and work processes that are representative of an innovative professional by 05/31/2016 as measured by Alabama Technology Transform 2020 Survey.

Strategy1:

from text based to multimedia - Provide Professional Learning designed to help teachers move from static, text-based resources to effective, SY 2015-2016

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dynamic, interactive, adaptive, multimedia/digital content powered by devices that engage, challenge, and empower students to learn in a variety of ways. Time period: Aug. 2013 - Aug. 2016

Category:

Research Cited: Independent surveys and assessments conducted by Lawrence County Schools

Activity - Train teachers to use multimedia equipment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Train 100% of teachers to use vcams, audio programs, screen capture and other multimedia creation equipment by 5/30/2016	Technology	08/05/2013	08/05/2016	\$5000 - Other	Larry Smith, Technology Coordinator

Activity - train high school teachers to use mobile devices and apps	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Train high school teachers to use mobile devices and apps to create short multimedia presentations for use in instruction	Technology	08/05/2013	08/05/2016	\$0 - No Funding Required	administrative staff

Goal 3:

All educators and students will have tools to access a comprehensive viable infrastructure when and where they need it.

Measurable Objective 1:

collaborate to Ensure that 100% of students, teachers, and administrators have excellent, viable bandwidth and wireless connectivity in order by 05/31/2016 as measured by observation of network equipment in place - analyzing infrastructure to assess progress - using utilities to measure bandwidth usage..

Strategy1:

measure bandwidth - by researching, developing, and implementing tools to measure bandwidth and determine infrastructure reliability.

Category:

Research Cited: data about bandwidth usage of other districts

Activity - measure bandwidth	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
measure bandwidth usage and add additional bandwidth to accomodate a quality online experience	Tutoring	08/05/2013	05/31/2016	\$0 - No Funding Required	Technology Coordinator and staff

Strategy2:

assess wireless - assess the need and develop a plan for wireless access - The need for adequate wireless access will be assessed and a plan will be developed to implement adequate wireless throughout the district

Category:

Research Cited: Local needs assessment survey

Alabama Technology Plan: Transform 2020

Lawrence County Board of Education

Activity - wireless needs assessment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
develop and implement a needs assessment in order to determine district and school wireless needs	Technology	08/05/2013	05/31/2014	\$0 - No Funding Required	Technology Coordinator, Technology integration Specialist

Strategy3:

Upgrade WLANS - upgrade WLANs in schools for 1:1 capabilities and full classroom coverage

Category:

Research Cited: Obtained information from workshops

Activity - install Wireless Equipment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Design and install WLAN equipment and configure controller for all schools. This will be a 5 month project.	Technology	10/13/2014	05/30/2016	\$10000 - Other	Larry Smith, technology Coordinator

Activity - Purchase Wireless Equipment	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Purchase WLAN/LAN equipment and cabling necessary for upgrading all schools.	Technology	09/01/2014	05/30/2016	\$365500 - Other	Larry Smith, Technology Coordinator

Measurable Objective 2:

demonstrate a proficiency demonstrate a proficiency in developing and implementing a financial support strategy for the overall improvement of the Ed Tech program by October 1, 2015 by 05/30/2015 as measured by the amount of funding generated.

Strategy1:

Identify Funding - Identify and develop new sources of funding.

Category:

Research Cited: district budget lacks adequate funding

Activity - support W.I.R.E.D	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Advocate for the sponsorship and passage of the AETA WIRED \$50M technology bond proposal.	Technology	10/13/2014	05/30/2015	\$0 - No Funding Required	Larry Smith, Technology Coordinator

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	Assurance page attached	Signed Assurance Page

2014-15 Technology Plan

Overview

Plan Name

2014-15 Technology Plan

Plan Description

3-Year Technology Plan 8/5/2013 - 8/5/2016

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	Engage and Empower the Learner Through Technology	Objectives: 1 Strategies: 1 Activities: 2	Organizational	\$0
2	Prepare and Support Teachers and Leaders to Graduate College- and Career-Ready Students	Objectives: 1 Strategies: 1 Activities: 1	Organizational	\$0
3	All educators and students will have tools to access a comprehensive viable infrastructure when and where they need it.	Objectives: 2 Strategies: 4 Activities: 5	Organizational	\$375500

Goal 1: Engage and Empower the Learner Through Technology

Measurable Objective 1:

demonstrate a proficiency 100 % of students will use critical thinking skills to plan, conduct research, prepare reports, complete assignments and projects, solve problems, and make informed decisions individually and collaboratively using appropriate digital tools and resources by 05/31/2016 as measured by Alabama Technology Transform 2020 Survey..

Strategy 1:

using digital resources and critical thinking skills - Will provide 9-12 grade students opportunities to use digital resources to plan and conduct research, prepare reports and complete assignments

Category:

Research Cited: Independent Survey by Lawrence County Schools 2013

Activity - short video	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Students will collaborate to create short videos on topics of local interest (i.e. growth of the wild hog population in Lawrence County)	Other	08/05/2013	05/31/2016	\$0	No Funding Required	Teachers and administrators
Schools: Lawrence County High School, East Lawrence High School						

Activity - Teach basic photo editing to students	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Teach 100% of 9 and 10th grade students to edit photos in Photoshop for use in multimedia presentations by 5/30/2016	Technology	08/04/2014	05/30/2016	\$0	No Funding Required	Larry Smith, Technology Coordinator and High school technology teachers
Schools: All Schools						

Goal 2: Prepare and Support Teachers and Leaders to Graduate College- and Career-Ready Students

Measurable Objective 1:

demonstrate a proficiency 100 % of teachers exhibit knowledge, skills, and work processes that are representative of an innovative professional by 05/31/2016 as measured by Alabama Technology Transform 2020 Survey.

Strategy 1:

from text based to multimedia - Provide Professional Learning 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:

Research Cited: Independent surveys and assessments conducted by Lawrence County Schools

Activity - train high school teachers to use mobile devices and apps	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Train high school teachers to use mobile devices and apps to create short multimedia presentations for use in instruction Schools: All Schools	Technology	09/02/2013	05/31/2016	\$0	No Funding Required	administrative staff

Goal 3: All educators and students will have tools to access a comprehensive viable infrastructure when and where they need it.

Measurable Objective 1:

collaborate to Ensure that 100% of students, teachers, and administrators have excellent, viable bandwidth and wireless connectivity in order by 05/31/2016 as measured by observation of network equipment in place - analyzing infrastructure to assess progress - using utilities to measure bandwidth usage..

Strategy 1:

measure bandwidth - by researching, developing, and implementing tools to measure bandwidth and determine infrastructure reliability.

Category:

Research Cited: data about bandwidth usage of other districts

Activity - measure bandwidth	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
measure bandwidth usage and add additional bandwidth to accomodate a quality online experience Schools: All Schools	Tutoring	08/05/2013	05/31/2016	\$0	No Funding Required	Technology Coordinator and staff

Strategy 2:

assess wireless - assess the need and develop a plan for wireless access - The need for adequate wireless access will be assessed and a plan will be developed to implement adequate wireless throughout the district

Category:

Alabama Technology Plan: Transform 2020

Lawrence County Board of Education

Research Cited: Local needs assessment survey

Activity - wireless needs assessment	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
develop and implement a needs assessment in order to determine district and school wireless needs Schools: All Schools	Technology	08/05/2013	05/31/2014	\$0	No Funding Required	Technology Coordinator, Technology integration Specialist

Strategy 3:

Upgrade WLANS - upgrade WLANs in schools for 1:1 capabilities and full classroom coverage

Category:

Research Cited: Obtained information from workshops

Activity - Purchase Wireless Equipment	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Purchase WLAN/LAN equipment and cabling necessary for upgrading all schools. Schools: All Schools	Technology	09/01/2014	05/30/2016	\$365500	Other	Larry Smith, Technology Coordinator

Activity - install Wireless Equipment	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
Design and install WLAN equipment and configure controller for all schools. This will be a 5 month project. Schools: All Schools	Technology	10/13/2014	05/30/2016	\$10000	Other	Larry Smith, technology Coordinator

Measurable Objective 2:

demonstrate a proficiency demonstrate a proficiency in developing and implementing a financial support strategy for the overall improvement of the Ed Tech program by October 1, 2015 by 05/30/2015 as measured by the amount of funding generated.

Strategy 1:

Identify Funding - Identify and develop new sources of funding.

Category:

Research Cited: district budget lacks adequate funding

Activity - support W.I.R.E.D	Activity Type	Begin Date	End Date	Resource Assigned	Source Of Funding	Staff Responsible
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Alabama Technology Plan: Transform 2020

Lawrence County Board of Education

Advocate for the sponsorship and passage of the AETA WIRED \$50M technology bond proposal. Schools: All Schools	Technology	10/13/2014	05/30/2015	\$0	No Funding Required	Larry Smith, Technology Coordinator
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Activity Summary by Funding Source

Below is a breakdown of your activities by funding source

No Funding Required

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
support W.I.R.E.D	Advocate for the sponsorship and passage of the AETA WIRED \$50M technology bond proposal.	Technology	10/13/2014	05/30/2015	\$0	Larry Smith, Technology Coordinator
measure bandwidth	measure bandwidth usage and add additional bandwidth to accomodate a quality online experience	Tutoring	08/05/2013	05/31/2016	\$0	Technology Coordinator and staff
wireless needs assessment	develop and implement a needs assessment in order to determine district and school wireless needs	Technology	08/05/2013	05/31/2014	\$0	Technology Coordinator, Technology integration Specialist
Teach basic photo editing to students	Teach 100% of 9 and 10th grade students to edit photos in Photoshop for use in multimedia presentations by 5/30/2016	Technology	08/04/2014	05/30/2016	\$0	Larry Smith, Technology Coordinator and High school technology teachers
train high school teachers to use mobile devices and apps	Train high school teachers to use mobile devices and apps to create short multimedia presentations for use in instruction	Technology	09/02/2013	05/31/2016	\$0	administrative staff
short video	Students will collaborate to create short videos on topics of local interest (i.e. growth of the wild hog population in Lawrence County)	Other	08/05/2013	05/31/2016	\$0	Teachers and administrators
Total					\$0	

Other

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
install Wireless Equipment	Design and install WLAN equipment and configure controller for all schools. This will be a 5 month project.	Technology	10/13/2014	05/30/2016	\$10000	Larry Smith, technology Coordinator
Purchase Wireless Equipment	Purchase WLAN/LAN equipment and cabling necessary for upgrading all schools.	Technology	09/01/2014	05/30/2016	\$365500	Larry Smith, Technology Coordinator

Total

\$375500

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
train high school teachers to use mobile devices and apps	Train high school teachers to use mobile devices and apps to create short multimedia presentations for use in instruction	Technology	09/02/2013	05/31/2016	\$0	administrative staff
measure bandwidth	measure bandwidth usage and add additional bandwidth to accomodate a quality online experience	Tutoring	08/05/2013	05/31/2016	\$0	Technology Coordinator and staff
wireless needs assessment	develop and implement a needs assessment in order to determine district and school wireless needs	Technology	08/05/2013	05/31/2014	\$0	Technology Coordinator, Technology integration Specialist
Purchase Wireless Equipment	Purchase WLAN/LAN equipment and cabling necessary for upgrading all schools.	Technology	09/01/2014	05/30/2016	\$365500	Larry Smith, Technology Coordinator
install Wireless Equipment	Design and install WLAN equipment and configure controller for all schools. This will be a 5 month project.	Technology	10/13/2014	05/30/2016	\$10000	Larry Smith, technology Coordinator
support W.I.R.E.D	Advocate for the sponsorship and passage of the AETA WIRED \$50M technology bond proposal.	Technology	10/13/2014	05/30/2015	\$0	Larry Smith, Technology Coordinator
Teach basic photo editing to students	Teach 100% of 9 and 10th grade students to edit photos in Photoshop for use in multimedia presentations by 5/30/2016	Technology	08/04/2014	05/30/2016	\$0	Larry Smith, Technology Coordinator and High school technology teachers
Total					\$375500	

Lawrence County High School

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
short video	Students will collaborate to create short videos on topics of local interest (i.e. growth of the wild hog population in Lawrence County)	Other	08/05/2013	05/31/2016	\$0	Teachers and administrators

Total

East Lawrence High School

Activity Name	Activity Description	Activity Type	Begin Date	End Date	Resource Assigned	Staff Responsible
short video	Students will collaborate to create short videos on topics of local interest (i.e. growth of the wild hog population in Lawrence County)	Other	08/05/2013	05/31/2016	\$0	Teachers and administrators
Total					<input type="text" value="\$0"/>	