



Technology Diagnostic

Enterprise City Board of Education

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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
- Principal Walk-Through Checklist
- State Government Regulations
- Technology Program Audit, etc.
- Transform2020 Surveys (*Required)

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) More wireless access points
- 2) LAN on high school campus is Gigabit in the MDF, but only 100 Mbs on all other IDF locations
- 3) Updated computers for student and teacher use

B) Strengths

- 1) LAN on each campus running at a Gigabit to the classroom
- 2) All traffic flows through the Central Office which allows for greater flexibility and control of access to the Internet

C) Data sources and data results

- 1) Inventory
- 2) Infrastructure Report
- 3) Transform 2020 Surveys

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) Updated computers for students and teachers
- 2) Available tablets, iPods, iPads, etc. for students unable to bring their own device
- 3) Increased Internet access for all schools from 100 Mbs to 200 Mbs

B) Strengths

- 1) Special Projects and Federal Programs see the value in providing technology. Those two departments continue to commit funds to technology
- 2) Enterprise continues to increase wireless access. We are aware of the need for anywhere access in the system.

C) Data sources and data results

- 1) Transform 2020
- 2) Technology Inventory

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) More district owned student devices
- 2) Greater bandwidth to Internet resources
- 3) Greater LAN bandwidth to Central Office

B) Strengths

- 1) Teachers are moving in a direction to model appropriate use of technology
- 2) The school system uses STI Achievement to help deliver the appropriate instruction to students who need RTI.

C) Data sources and data results

- 1) Transform 2020
- 2) Data results from standardized testing
- 3) AR reading and math assessment to determine level of each student

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) Instructional Technology Coach at each school
- 2) Ongoing professional development for teachers and integrating technology into learning

B) Strengths

- 1) Our Connect2learn initiative. Teachers are engaged in on-campus technology side by side training.
- 2) Many of our principals have utilized Dr. Weldon from Technology in Motion to train our teachers in effective use of technology for student achievement.

C) Data sources and data results

- 1) Transform 2020 Surveys
- 2) ECIP 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) Needs

- 1) Increase the way teachers use web 2.0 tools to communicate with students and assign tasks

2) CIPA compliant email accounts are needed for all students in grades 7 - 12. The "digital locker" function allows for students to save their documents and work on them at home or school.

B) Strengths

1) All students in grades 9 - 12 are required to take one class to ensure they receive an "online experience". Many students take the ACCESS/Distance Learning class.

C) Data sources and data results

1) Transform 2020 survey

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) Ongoing support for teachers integrating technology in the classroom. (Technology integration coaches)
- 2) Technology refresh plan. (ex. every 3 years, 4 years, etc.)

B) Strengths

- 1) Teachers are continuing to learn how to integrate technology with instruction through the Connect2learn initiative.
- 2) Teachers have easy access to request that resources on the Internet be open for student learning.

C) Data source and data results

- 1) Transform 2020
- 2) Observations and Interviews

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) Participation in learning communities that stimulate, nurture and support the study and use of technology.
- 2) Model appropriate use of technology with teachers, students, and parents.

B) Strengths

- 1) Encourage teachers to use technology and discuss with them through evaluations.

C) Data sources and data results

1) Transform 2020 survey

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.

All have been addressed.

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.

- 1) Six of our schools will receive training for teachers on integrating technology into the classroom. This training will involve technology specialists from STI that will work with our teachers in their classroom. Each teacher will have the opportunity to see model lessons and then create a lesson of their own to utilize in their class. The technology specialist will help the teacher utilize the lesson they created in their classroom.
- 2) Our schools will continue to utilize Technology in Motion for ongoing support in their effort to increase student engagement in the learning process.

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/LAN Infrastructure

The Enterprise City School System has a LAN design. Each classroom has a minimum of 1 gigabit connection with 3 drops per room. Our schools are now all connected back to the board office by 1 gigabit fiber connections. Network security measures include firewalls and web security. The network is Windows 2003 and 2008. The capacity of our servers range from 36 GB to 36 TB. Virus protection is provided through Avira. We have 12 servers that are virtualized. Updating and improvements are a part of the planning process with special emphasis on improvements needed for student support. The high school is wireless throughout the entire building. This year all schools will have wireless capabilities throughout the each building. The wireless will be made available through fund from the DODEA grant.

Connectivity/Bandwidth/Internet Access/Safety

Internet connectivity is a 100 Mbps backbone provide by Super Computer Authority. All schools are connected to the Enterprise Board of Education. Internet is available through a 1 GB fiber connection to each school and other facilities. Content filtering is accomplished using iBoss. Internet Use Policy and Statements are in place and signed by every staff member and student. The system has a policy on student's bringing their own device. A public hearing was held on these policies. New methods and policies will continue to be developed and applied as technology grows and changes.

Digital Content/Tools

Technology is being incorporated into all areas of the curriculum and student learning. Teaching and learning are defined by communication, therefore the resources available offer different methods of exchanging ideas. This enables students to identify important information, problem solve collaboratively and extend their knowledge base. Examples of the kinds of activities and projects used by teachers include: space exploration in science; utilization of search engines to find research data for reports; virtual field trips; using the Internet as a vehicle to communicate with others around the world which strengthens reading and writing; using blogs to contribute to class discussions and promote critical thinking; exchanging cultural artifacts and information by e-mail and using to create a better understanding of social/economic factors that influence societies; inquiry projects in science classes; creating classroom websites to provide information about curriculum and activities to parents and students; etc. This is an area that is exciting to teachers and students and should continue to build.

The Enterprise School System supports the integration of technology into the curriculum and the training of students to be technologically proficient. To this end, purchasing and planning includes those resources that will accomplish this goal. We are attempting to keep updated computer hardware and software. Teachers use interactive whiteboards and pads, student response systems, document cameras, and streaming media to enhance instruction. Students have access to resources in classrooms, media centers, labs, and after school programs. As a district we are on the cusp of an tablet initiative.

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Label	Assurance	Response	Comment	Attachment
2.	Did you complete the Inventory for each school in your school system. If so, please upload the inventory collection worksheet below.	Yes		ECS Technology Inventory 2013-2014

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:

95% of All Students will demonstrate a proficiency in using digital tools, individually and collaboratively, in and out of the classroom to gather, organize, evaluate, and share present information. in Science by 05/29/2015 as measured by Transform2020 Survey Results, local teacher survey, local student survey.

Strategy1:

Dynamic Resources - Help teachers move 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.

Research Cited: Transform 2020 surveys, Alabama Courses of Study, Classroom Observations

Tier:

Activity - Engaged Connect 2 Learn Training	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Teachers at six of our schools will go through side by side training on integrating technology into the classroom. Each teacher will have an opportunity to observe a model lesson and then they will create their own lesson integrating the use of technology. The teachers will then receive help in delivering this lesson to one of their classes.	Professional Learning			09/03/2013	05/23/2014	\$250000 - Other	Administrators, Technology Department

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Activity - Ignite Connect 2 Learn Training	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Two teachers from each of our ignite schools will receive training in integrating technology from STI. They will go to an engaged school for two days and observe classes integrating technology into their learning. They will also receive instruction on multiple ways to integrate technology. Those teachers will then be able to go back to their classrooms and start allowing students to bring their own digital devices to utilize in their learning.	Professional Learning			10/28/2013	05/23/2014	\$75000 - Other	Administrators, Technology Department

Goal 2:

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

Measurable Objective 1:

collaborate to teachers to use technology and digital resources to provide standards-based instruction and learning activities in all content areas of responsibility to facilitate real-life experiences that advance student learning, creativity, teamwork and innovation by 05/22/2020 as measured by Transform 2020 survey results, classroom observations, lesson plans.

Strategy1:

Professional Development - Provide professional development to help teachers move from a 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.

Research Cited: AL Tech course of Study, NETS Standards

Tier:

Activity - Wonders Reading	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Elementary teachers will meet on a weekly basis within grade level to develop their understanding of the online resources available with the new reading series. Each grade level will work to develop activities that are online and allow the students to gain a deeper understanding of the reading lesson for the week.	Academic Support Program			08/12/2013	05/20/2016	\$0 - No Funding Required	Elementary Supervisor, Elementary Administrators, Technology Department

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Activity - Access to Discovery Learning	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Teachers will have access to Discovery Learning's vast resources of videos and lesson plans to help engage students in learning that is more authentic. Each year new teachers will be introduced to this resource and receive training in how to utilize Discovery Education.	Academic Support Program			08/12/2013	05/24/2019	\$19000 - General Fund	Technology Department, Administrators, Central Office Supervisors

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:

95% of All Students will demonstrate a proficiency in using digital tools, individually and collaboratively, in and out of the classroom to gather, organize, evaluate, and share present information. in Science by 05/29/2015 as measured by Transform2020 Survey Results, local teacher survey, local student survey.

Strategy1:

Dynamic Resources - Help teachers move 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.

Research Cited: Transform 2020 surveys, Alabama Courses of Study, Classroom Observations

Tier:

Activity - Engaged Connect 2 Learn Training	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Teachers at six of our schools will go through side by side training on integrating technology into the classroom. Each teacher will have an opportunity to observe a model lesson and then they will create their own lesson integrating the use of technology. The teachers will then receive help in delivering this lesson to one of their classes.	Professional Learning			09/03/2013	05/23/2014	\$250000 - Other	Administrators, Technology Department

Goal 2:

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

Measurable Objective 1:

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collaborate to teachers to use technology and digital resources to provide standards-based instruction and learning activities in all content areas of responsibility to facilitate real-life experiences that advance student learning, creativity, teamwork and innovation by 05/22/2020 as measured by Transform 2020 survey results, classroom observations, lesson plans.

Strategy1:

Professional Development - Provide professional development to help teachers move from a 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.

Research Cited: AL Tech course of Study, NETS Standards

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Activity - Wonders Reading	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Elementary teachers will meet on a weekly basis within grade level to develop their understanding of the online resources available with the new reading series. Each grade level will work to develop activities that are online and allow the students to gain a deeper understanding of the reading lesson for the week.	Academic Support Program			08/12/2013	05/20/2016	\$0 - No Funding Required	Elementary Supervisor, Elementary Administrators, Technology Department

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:

Engage and Empower the Learner Through Technology

Measurable Objective 1:

100% of All Students will complete a portfolio or performance participation in at least one online experience, "defined as a structured learning environment that uses technology consistently and regularly-with Intranet/Internet-based tools and resources as the delivery method for instruction, research, assessment, a in Career & Technical by 05/24/2019 as measured by Compliance Review, Guidance Counselor Records, ACCESS Course Enrollments.

Strategy1:

Career Preparedness A - All 9th grade students enrolled in Enterprise will take a 1/2 credit course in career preparedness. One of the requirements of the course is that students must complete a two week online course. Those that do not take this course will have an opportunity to take a Compass online course or an ACCESS course.

Research Cited: ACCESS program, AL Course of Studies

Tier:

Activity - Online Experience for 10-12	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Students who come to Enterprise and have not taken the 1/2 credit career preparedness course will take an ACCESS class or take a class through Compass Learning. Both will provide the online experience.	Academic Support Program			08/19/2013	05/24/2019	\$30000 - General Fund	Secondary Counselors, Secondary Supervisor, Technology Department

Measurable Objective 2:

95% of All Students will demonstrate a proficiency in using digital tools, individually and collaboratively, in and out of the classroom to gather, organize, evaluate, and share present information. in Science by 05/29/2015 as measured by Transform2020 Survey Results, local teacher survey, local student survey.

Strategy1:

Dynamic Resources - Help teachers move 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.

Research Cited: Transform 2020 surveys, Alabama Courses of Study, Classroom Observations

Tier:

Activity - Ignite Moved to Engaged	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Provide training for all the teachers at remaining schools that did not receive the initial Connect 2 Learn training. Teachers at the remaining five of our schools will go through side by side training on integrating technology into the classroom. Each teacher will have an opportunity to observe a model lesson and then they will create their own lesson integrating the use of technology. The teachers will then receive help in delivering this lesson to one of their classes.	Professional Learning			08/01/2014	05/22/2015	\$175000 - Other	Administrator, Technology Department

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Activity - Engaged Connect 2 Learn Training	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Teachers at six of our schools will go through side by side training on integrating technology into the classroom. Each teacher will have an opportunity to observe a model lesson and then they will create their own lesson integrating the use of technology. The teachers will then receive help in delivering this lesson to one of their classes.	Professional Learning			09/03/2013	05/23/2014	\$250000 - Other	Administrators, Technology Department

Activity - Ignite Connect 2 Learn Training	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Two teachers from each of our ignite schools will receive training in integrating technology from STI. They will go to an engaged school for two days and observe classes integrating technology into their learning. They will also receive instruction on multiple ways to integrate technology. Those teachers will then be able to go back to their classrooms and start allowing students to bring their own digital devices to utilize in their learning.	Professional Learning			10/28/2013	05/23/2014	\$75000 - Other	Administrators, Technology Department

Goal 2:

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

Measurable Objective 1:

collaborate to help Instructional Leaders create, promote, and sustain a dynamic, digital-age learning culture that provides a rigorous, relevant, and engaging education for all students. by 05/22/2020 as measured by Transform 2020, course evaluations.

Strategy1:

PLU Weldon - Administrator will be given an opportunity to take a PLU that will help them develop a vision for the use of technology in their schools and they will be able to model integration of technology into their leadership role.

Research Cited: NETS Administrators

Tier:

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Activity - Secondary PLU	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Secondary administrators will take a course with Weldon from Technology in Motion. The course is called Intel Educational Leadership. Administrators will work through 3 different modules that will help them develop their school based technology plan. The course will also help the instructional leaders integrate technology into their leadership role.	Professional Learning			01/01/2013	03/29/2013	\$0 - No Funding Required	Technology Department, Irma Townsend, Roland Weldon

Activity - Elementary PLU	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Elementary administrators will take a course with Weldon from Technology in Motion. The course is called Intel Educational Leadership. Administrators will work through 3 different modules that will help them develop their school based technology plan. The course will also help the instructional leaders integrate technology into their leadership role.	Professional Learning			09/01/2013	11/29/2013	\$0 - No Funding Required	Technology Department, Irma Townsend, Roland Weldon

Measurable Objective 2:

collaborate to teachers to use technology and digital resources to provide standards-based instruction and learning activities in all content areas of responsibility to facilitate real-life experiences that advance student learning, creativity, teamwork and innovation by 05/22/2020 as measured by Transform 2020 survey results, classroom observations, lesson plans.

Strategy1:

Professional Development - Provide professional development to help teachers move from a 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.

Research Cited: AL Tech course of Study, NETS Standards

Tier:

Activity - Access to Discovery Learning	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Teachers will have access to Discovery Learning's vast resources of videos and lesson plans to help engage students in learning that is more authentic. Each year new teachers will be introduced to this resource and receive training in how to utilize Discovery Education.	Academic Support Program			08/12/2013	05/24/2019	\$19000 - General Fund	Technology Department, Administrators, Central Office Supervisors

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Activity - Wonders Reading	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Elementary teachers will meet on a weekly basis within grade level to develop their understanding of the online resources available with the new reading series. Each grade level will work to develop activities that are online and allow the students to gain a deeper understanding of the reading lesson for the week.	Academic Support Program			08/12/2013	05/20/2016	\$0 - No Funding Required	Elementary Supervisor, Elementary Administrators, Technology Department

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:

collaborate to help Instructional Leaders create, promote, and sustain a dynamic, digital-age learning culture that provides a rigorous, relevant, and engaging education for all students. by 05/22/2020 as measured by Transform 2020, course evaluations.

Strategy1:

PLU Weldon - Administrator will be given an opportunity to take a PLU that will help them develop a vision for the use of technology in their schools and they will be able to model integration of technology into their leadership role.

Research Cited: NETS Administrators

Tier:

Activity - Secondary PLU	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Secondary administrators will take a course with Weldon from Technology in Motion. The course is called Intel Educational Leadership. Administrators will work through 3 different modules that will help them develop their school based technology plan. The course will also help the instructional leaders integrate technology into their leadership role.	Professional Learning			01/01/2013	03/29/2013	\$0 - No Funding Required	Technology Department, Irma Townsend, Roland Weldon

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Activity - Elementary PLU	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Elementary administrators will take a course with Weldon from Technology in Motion. The course is called Intel Educational Leadership. Administrators will work through 3 different modules that will help them develop their school based technology plan. The course will also help the instructional leaders integrate technology into their leadership role.	Professional Learning			09/01/2013	11/29/2013	\$0 - No Funding Required	Technology Department, Irma Townsend, Roland Weldon

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:

Engage and Empower the Learner Through Technology

Measurable Objective 1:

95% of All Students will demonstrate a proficiency in using digital tools, individually and collaboratively, in and out of the classroom to gather, organize, evaluate, and share present information. in Science by 05/29/2015 as measured by Transform2020 Survey Results, local teacher survey, local student survey.

Strategy1:

Dynamic Resources - Help teachers move 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.

Research Cited: Transform 2020 surveys, Alabama Courses of Study, Classroom Observations

Tier:

Activity - Ignite Moved to Engaged	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Provide training for all the teachers at remaining schools that did not receive the initial Connect 2 Learn training. Teachers at the remaining five of our schools will go through side by side training on integrating technology into the classroom. Each teacher will have an opportunity to observe a model lesson and then they will create their own lesson integrating the use of technology. The teachers will then receive help in delivering this lesson to one of their classes.	Professional Learning			08/01/2014	05/22/2015	\$175000 - Other	Administrator, Technology Department

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Activity - Engaged Connect 2 Learn Training	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Teachers at six of our schools will go through side by side training on integrating technology into the classroom. Each teacher will have an opportunity to observe a model lesson and then they will create their own lesson integrating the use of technology. The teachers will then receive help in delivering this lesson to one of their classes.	Professional Learning			09/03/2013	05/23/2014	\$250000 - Other	Administrators, Technology Department

Activity - Ignite Connect 2 Learn Training	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Two teachers from each of our ignite schools will receive training in integrating technology from STI. They will go to an engaged school for two days and observe classes integrating technology into their learning. They will also receive instruction on multiple ways to integrate technology. Those teachers will then be able to go back to their classrooms and start allowing students to bring their own digital devices to utilize in their learning.	Professional Learning			10/28/2013	05/23/2014	\$75000 - Other	Administrators, Technology Department

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 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 05/22/2020 as measured by bandwidth traffic reports, district capital plan, SuperComputer usage reports, this will be an ongoing effort.

Strategy1:

Maximize Bandwidth - The technology staff will collect data from Orion, Super Computer Authority, iBoss (filtering), and What's Up Gold. This will help us determine how much bandwidth the system will need between the schools and the central office and the Internet.

Research Cited: Orion, Super Computer Authority, iBoss (filtering), and What's Up Gold.

Tier:

Activity - SuperComputer	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Work with SuperComputer to increase bandwidth as needed. Review bandwidth twice a year or when needed.	Technology			08/19/2013	05/22/2020	\$0 - State Funds	Technology Personnel

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Activity - iBoss Filtering	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Utilize traffic shaping in iBoss to ensure quality of service for academic purposes.	Technology			08/19/2013	05/22/2020	\$3000 - General Fund	Technology Staff

Activity - Local Monitoring Tools	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
The technology staff will continue utilizing What's Up Gold, Orion, and AirWave in evaluation traffic patterns.	Technology			08/19/2013	05/22/2020	\$15000 - District Funding	Technology Staff

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:

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 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 05/22/2020 as measured by bandwidth traffic reports, district capital plan, SuperComputer usage reports, this will be an ongoing effort.

Strategy1:

Maximize Bandwidth - The technology staff will collect data from Orion, Super Computer Authority, iBoss (filtering), and What's Up Gold. This will help us determine how much bandwidth the system will need between the schools and the central office and the Internet.

Research Cited: Orion, Super Computer Authority, iBoss (filtering), and What's Up Gold.

Tier:

Activity - Local Monitoring Tools	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
The technology staff will continue utilizing What's Up Gold, Orion, and AirWave in evaluation traffic patterns.	Technology			08/19/2013	05/22/2020	\$15000 - District Funding	Technology Staff

Activity - iBoss Filtering	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
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Activity - SuperComputer	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Work with SuperComputer to increase bandwidth as needed. Review bandwidth twice a year or when needed.	Technology			08/19/2013	05/22/2020	\$0 - State Funds	Technology Personnel

Measurable Objective 2:

collaborate to establish viable access points in every classroom so that all students, teachers, and administrators can access network and Internet-based resources. (Local Area Network, LAN). (SETDA, The Broadband Imperative, p.2) by 06/01/2014 as measured by Number of Access Points Per Room.

Strategy1:

Number of Access Points - Collect, analyze, and report aggregate infrastructure data for schools and district. Count the number of classrooms and the number of access points. Analyze the traffic flow of each access point. Consideration will be given to storm rooms as they may require an individual access point in each room. This will add to the cost and maintenance of our wireless.

Research Cited: Aruba web interface will be used to monitor traffic and determine the best use of access points at each school. The technology staff will work with teachers to make sure their class has ample coverage.

Tier:

Activity - Configure and Install	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Technology staff will configure and install each access point that is required.	Technology			08/19/2013	05/23/2014	\$50000 - General Fund	Technology Department

Activity - Cat 5e Installation	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Based on heat map readings, the technology staff will run the needed wire for each access point.	Technology			10/22/2013	05/23/2014	\$2000 - General Fund	Technology Department

Activity - Switches	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Collect a detailed inventory of current infrastructure backbone as it relates to the introduction of wireless networking. Orion monitoring software will help with collecting the data.	Technology			08/19/2013	05/23/2014	\$50000 - District Funding	Technology Department

Activity - Heat Map	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Design and populate a heat map for all schools.	Technology			10/22/2013	03/31/2014	\$0 - No Funding Required	Technology Department

Technology Diagnostic

Enterprise City Board of Education

Activity - Monitoring	Activity Type	Tier	Phase	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Use Aruba Airwave to monitor wireless traffic throughout the entire process of implementation.	Technology			08/19/2013	05/23/2014	\$10000 - General Fund	Technology Department

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		ECS Assurances 2013-2014