Technology Diagnostic

Cleveland High School

Blount County 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:

- •Continuous Improvement Plan
- •Inventory & Infrastructure Report-- Fast and Easy Access to network, and Availability of Technology
- •Principal Walk-Through Checklist
- •Technology Plan Surveys (*Required)

Spiceworks Trouble Tickets

Data

Needs Assessment

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

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The top area of need at Cleveland High School is to continue to expand and enhance facilities and procedures for maintaining computers and other technology equipment. Based on results in the Technology Survey (question 26), 64.1% of teachers believe we have sufficient technology resources. This is an increase of 20.35%. Blount County Education Foundation grants along with classroom instructional money allowed for the purchase of additional ipads and Chromebooks for the creation of mini-labs in classrooms. The creation of mini-labs helped alleviate scheduling issues of the 4 Chromebook carts we have available.

We have three computer labs that serve our students and four fully equipped Chromebook carts. This year the district will upgrade one computer lab. The existing computers will be re-imaged and used as needed to update classroom computers for teachers.

We need to upgrade electrical outlets and internet drops in all older classrooms. We need to add additional staffing in the technology department to address the ever-expanding array of technology items being added to our campus. We need additional servers or upgrades to existing servers, additional internet speed and enhanced WIFI to encompass the entire campus. We need to place additional computers in classrooms as needed for teachers to meet the needs of their students.

Sources: Technology Plan Survey, Technology Inventory

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

According to the Blount County Technology Inventory 2018-2019, local schools have at least 2-3 computer labs and most have additional mobile labs consisting of laptops, tablet devices or Chromebooks. Through grants awarded by the Blount County Education Foundation, many classrooms have 5+ tablet mini-labs to relieve scheduling issues in the computer labs. Many schools are working toward one-to-one Chromebook initiatives. The district Chromebook inventory total has increased from 2119 to 3003 in one year.

In 2018, Blount County schools implemented a 3rd grade Chromebook initiative to allow students easy access to technology without leaving the classroom. Plans are in place to add a grade level each year as funds allow. According to local schools CIP (Continuous Improvement Plan) and Title I/Title I Focus Schools budgets, schools plan on purchasing additional Chromebook carts (30) for each school as funds become available to increase device per student ratio. There are currently 67 Chromebook carts district wide.

During the 2018-2019 school year, one computer lab at each elementary school will be up updated. The Blount County Career Tech and Blount County Learning Center teacher computers will be replaced as well. The existing computers will be re-imaged and placed in classrooms to replace obsolete equipment. The following year, one lab will be upgraded at the high schools. This rotation helps maintain computers in classrooms where technology funds are not readily available.

According to the Blount County technology inventory, we are currently at one device per 1.5 students. Hayden Elementary and Southeastern schools are working toward One-to-One for their students.

Effective at the beginning of 2015-2016 school year, the Blount County Board of Education implemented a Bring Your Own Device Policy (BYOD). Students may have electronic communication devices and other digital devices in their possession such as iOS devices (MacBooks, iPhones/smart phones, iPads, iWatches/smart watches, iPods), Kindles, Nooks, tablets, Androids, Chromebooks, MP3 players, and laptops to be used for instructional purposes. Students will have basic technology available at school necessary to complete lessons and assignments as directed by the teacher. The purpose of the BYOD initiative is to enhance instruction and assist students in developing communication, problem-solving, and critical thinking skills necessary to meet the College and Career Readiness Standards.

PDQ Inventory has been purchased to aid with device identification/location and application control.
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We have used technology and Title 1 funds to upgrade classroom computers across the campus. Cleveland High School will receive 30 computers this year to replace one computer lab. Those removed will be used as reserve computers to replace classroom computers on an as-needed basis. We need to add an additional Chromebook cart to more easily address the needs of our teachers within their classroom environments. Blount County Education Foundation grants along with classroom instructional money allowed for the purchase of additional ipads and Chromebooks for the creation of mini-labs in classrooms.

Source: Technology Inventory

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

The Blount County school district will continue to improve and maintain software programs to increase student learning with technology. ACCESS, ABE-Alternative Behavior Education, Waterford Early Learning-EL and Special Education, Waterford Early Start Preschool, Dreambox-Math Instructional Online Adaptive K-8th, LearnBOP Math Instruction K-12-SMHS Pilot, MobyMax Adaptive Learning K-8, Predictive Assessment of Reading K-2, Reading Plus Personalized and Adaptive Reading Intervention, SPIRE Reading Intervention, Language Live, Passport, Moodle, Edmodo, Edmentum, Google Drive and Classroom will be utilized in the labs, classrooms, and media center. All students K-12 have a Gmail account. K-6 has access to all Google services except email. Personnel supporting these programs are as follows: Tutors, District Reading Specialist, Math Instructional Coach, Literacy Instructional Coach, Technology Integration Specialist.

According to the Transform 2020 Technology Survey, 50.2% of the District faculty feels that they need additional digital devices to address instructional needs of the students. As notated in eGap, plans are in place to purchase and/or lease supplemental materials, supplies, software, equipment, and technology to support the implementation of SRB programs such as 21st Century Classrooms, Waterford, ARI, AMSTI, Language Live, Passport, Dreambox and Google Classroom to address the needs of at-risk students during Tier 1, 2, & 3 instruction. For continued sustainability, the District owns the rights to the following programs: A+ (50+ Course Titles), Renaissance Math Facts in a Flash, & Perfect Copy. Although this percentage has increased by 13% we still need to address this area of need.

The Bridges Academy virtual school will use Edmentum to meet the course credit requirements necessary to implement this new program.

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This software was piloted during the Blount County 2016 summer school session. A+ will be phased out and Edmentum will replace it for credit recovery in the JAG program at the Blount County Career Technical Center.

The Blount County Education Foundation is implementing a summer feeding program at Susan Moore Elementary School and will include a Migrant Tutoring Program to address an ever increasing number of students.

During the 2014-2015 school year, a cart of 20 Forte keyboarding devices was purchased for each elementary school to address the need in 3rd and 4th grade to begin keyboard instruction without taking valuable time away from the computer lab. Due to the success of the keyboarding initiative, an additional 15 units were purchased to expand the program in other grade levels & classrooms.

The system's graduation rate has improved by 25 percentage points over the past three years. Currently, the district four-year cohort graduation rate is 89%. In addition, all six high schools have shown improvement in graduation rate, with some improvement as high as 30%. Student assessment data shows our system's gains in reading and math. The Alabama Reading and Mathematics Test results show a 9% increase in the number of students who are proficient in math over the past three years. Reading also increased by five percent over the past three years. In addition to the increase in graduation rate and number of students who are proficient in reading and math, Blount County Schools has committed to increasing the number of courses available to students through the hiring of an ACCESS facilitator at each school. Approximately 8% of the student body is taking advantage of classes offered through ACCESS. Currently, we are targeting 7th and 8th grade math achievement, which demonstrates the area of highest priority. We will be partnering with the State Department of Education and the Southern Regional Education Board (SREB) to implement the Literacy Design Collaborative and the Mathematics Design Collaborative in our 7th and 8th grade classrooms. We will continue the Literacy Design Collaborative and Math Design Collaborative program in the 18-19 school year.

To increase student achievement in the area of computer programming and STEAM-related areas, we installed a Creative Learning Systems SmartLab targeting middle school students at Cleveland Elementary & High School. It is our hopes that these experiences will increase student motivation to explore computer programming and STEAM-related careers. We can also be hopeful that these experiences may improve student outcomes on standardized science assessments, but we will use additional dis aggregated data to explore the impact that the STEAM Lab experience has on college and career choices. A second STEAM lab was added in September 2018 at Susan Moore Elementary School. As funds become available, we hope to install in all middle-grade configurations across the district in the coming months and years.

Our state summative assessment changed from ARMT to the ACT Aspire in 2014. In the 2017-2018 school year, it changed to Scantron. We will pilot a 4th summative assessment in the spring of 2019 for all Alabama learners in grades 2-8. According to the 2016-2017 Education report card (reported one year in arrears), Blount County Schools are above the State average in Academic Achievement, Academic Growth, Graduation Rate, and College and Career Readiness. Our overall score for Blount County was an '83' which equates to a 'B' on the Education Report Card.

Our district ACT report is as follows: English improved .5 points, math is still showing a steady increase, reading had an increase of .7 points, science showed slight growth and the overall composite score moved .4 points.

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At Cleveland High School we will work to continue to improve and maintain software programs to increase student learning with technology. Edmentum, ACCESS, Kuder, Lanschool, and Google G-Suite will be utilized in the labs, classrooms, and media center. Students need additional technology instruction, collaboration with technology, and connections with real-life use of technology. Teachers are using Google Classroom, allowing students access to a wide variety of online experiences in preparation to advance to college-level courses.

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Source: Technology Plan Survey, Walk-Throughs

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

According to our Alabama Transform 20/20 Technology Survey data, only 43% of teachers are actively involved in Professional Development Learning Programs although 67% of our teachers were able to attend a sufficient number of professional learning sessions to help them successfully integrate technology and digital resources into the classroom.

The school technology coach and technology integration specialist will conduct individual professional learning opportunities within the classroom as needed with classroom teachers and students. There will be additional resources on the District web page, Edmodo, Google Drive/Team Drive and shared network drives for teachers to have access to additional training for collaboration.
One-on-one collaborative training in the classroom with school tech coach and classroom teachers is provided on a daily basis as needed.
The technology integration specialist and parental involvement specialist offer workshops on Internet Safety for parents and guardians within the community. These programs were expanded in the 2016-2017 school year to include all family members.

The technology integration specialist provides professional learning opportunities on current topics and the school technology coaches uses the train-the-trainer method for additional training with classroom teachers. School-wide workshops are held during the teacher's preparation period on current and relevant real-world topics. Additional instruction is provided on a one-to-one and/or grade level basis for individualized professional development for teachers and administrators. Learning sessions are scheduled during prep time or after school to reduce interference with instruction. The school technology coaches will continue to provide training on school specific technology items. Many of the schools in the district utilize the professional development opportunities offered through Technology-in-Motion.

The Science Course of Study that is to be implemented in the fall is the key focus area of summer professional development. We will be expanding the Literacy Design Collaborative and Math Design Collaborative. Other workshop options include AMSTI Science & NASA STEM.

Teachers and Staff were provided professional development opportunities during the 2017-2018 school year focused on Google Suite. These sessions were provided by the technology integration specialist, software/hardware vendors, Athens State Technology-in-Motion, parental involvement specialist, and other LEA staff. Supporting documentation on file through STI PD.

Family Engagement Activities - School Year 2017-2018
This year the plan was to extend Parent Involvement Activities to include Grandparents/guardians and other family members in the education of their students.

2 Grandparents As Parents (GAP) were started in local schools.
Sessions were offered throughout the year on Internet Safety, Safe Apps, Google Classroom, STI Parent Portal, Google Docs, Gmail, etc.These were presented by the technology integration specialist, parent involvement specialist, Blount County District Attorney, and School Resources Officers.

Girls/Boys Night Out Events

Three schools held their first annual "Girls/Boys Night Out" Program for 5th and 6th grade girls/boys using parents, counselors, and community stakeholders to plan, provide activities, and fund the event. The programs is designed to address issues that young boys and girls face as they enter into high school. Activities that were provided were to address bullying issues, building relationships, team building and social media safety.

According to our 2018 Transform 20/20 Technology data (question #23), 61.54% of teachers feel they need additional opportunities for professional learning sessions to successfully integrate technology in the classroom. This is an 11.54% increase due to an increase in professional development opportunities offered by the Technology Integration Specialist, School Tech Coach, and other technology staff. to provide G-Suite training. There will be additional resources on the District web page for teachers to have access to additional training for collaboration. One- on - one collaborative training in the classroom with School Tech Coach and classroom teacher is provided on a daily basis as needed. The Parental Specialist at the Blount County Resource Center offers Internet safety and Microsoft office training. Train-the - trainer is also utilized as Technology Integration Specialist trains the Tech coach who then collaborates with classroom teachers.

Source: Technology Plan Survey

Identify the top 1-3 areas of need associated with your technology Teacher Use—Teaching (how teachers use technology to teach as well as require students to use technology to learn). Identify the data sources and actual data results that led you to conclude that these are areas of strength and need.

According to our recent Alabama Transform 20/20 Technology data, 73% of teachers actively involve and engage students in digital learning but 82% model creative and innovative thinking and inventiveness using digital tools and resources. This is a 34% increase from the previous year. With the added Chromebook purchases, teachers have increased use of student devices.

Our lead teachers, administrators, technology integration specialists, parent involvement specialist (2 teachers and 1 administrator from each campus) and other central office staff will attend G-Suite professional development beginning in January 2019. Two additional days are scheduled in March and August/September. The team will employ the train-the-trainer method at each school and present a PD session with their staff following each training day. The first 2 days consist of in depth training on Google Classroom, Drive, Docs, Forms & Chrome OS. The 3rd day is focused on applying those skills for creativity and integrating them into the curriculum. The final day will be scheduled at the end of the summer or the beginning of the 2019-2020 school year so the turn around training is relevant for the teachers and staff. (Many times we do not get the desired results from PD sessions due to the amount of time that elapses between the training and application in the classroom.)

Effective at the beginning of 2015-2016 school year, the Blount County Board of Education implemented a Bring Your Own Device Policy (BYOD). Students may have electronic communication devices and other digital devices in their possession such as iOS devices (MacBooks, iPhones/smart phones, iPads, iWatches/smart watches, iPods), Kindles, Nooks, tablets, Androids, Chromebooks, MP3 players, and laptops to be used for instructional purposes.Students will have basic technology available at school necessary to complete lessons and assignments as directed by the teacher. The purpose of the BYOD initiative is to enhance instruction and assist students in developing communication, problem-solving, and critical thinking skills necessary to meet the College and Career Readiness Standards. This initiative should provide more opportunities for real-world technology use within the classroom. Most schools have purchased at least two carts (30) of tablet devices which should increase student engagement.

The FOCUS schools (Hayden High, Locust Fork High, Pennington High, Susan Moore High, and Susan Moore Elementary) in the district received an additional Chromebook cart of 30 devices to assist in closing the low achievement gap between the special education students and all students. Two additional carts were purchased for the high schools (Susan Moore and Pennington High School) with the highest poverty rate in the district with the Athens Inservice Center FOCUS Schools Grant. The FOCUS schools plan on purchasing additional Chromebook carts contingent upon award of FY18 FOCUS grant.

Beginning in the 2018-2019 school year, the district is implementing a 3rd grade one-to-one Chromebook initiative to increase the student to device ratio.

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According to our recent Transform 20/20 Technology data(question #2), 66.67% of teachers actively involve and engage students in digital learning on a frequent/routine basis. This is an increase of 13.73% from the previous year.Teachers will continue the use of technology tools where available, and engage students with the use of smartboards, ipads,and Chromebooks as well as scheduled computer lab time throughout the school year. Students will be provided with real world experiences which provide opportunities for technology use within the classroom. Also, teachers will utilize lessons which allow more student use of smart technologies.

Source: Technology Plan Survey

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

According to our recent Alabama Transform 20/20 Technology data, only 9% of teachers often use their tablet devices/smart phones for immediate access to Internet resources. There was a 3% increase from the previous year. An increase in wireless access throughout the campus will greatly improve the utilization of these tools. The faster the teacher can find resources for a lesson, the more productive they will be in the classroom. There has been a 32% increase in number of tablet devices from the previous year according to the 2018 Technology Inventory.

We also found that 82% of our teachers use Gmail often throughout the day. Since the district initiative to create an educational Gmail account for all staff members, the use of Google Suite has been widely adopted. Teachers have increased productivity through the use of these digital tools. They work collaboratively on projects in their classroom or from home as indicated by the number of documents on the blountboe.net account and Google/Team Drive. With the student Gmail 2016-2017 implementation for grades 7 - 12, teachers are using Google Drive for collaborative projects. Google Drive/Docs is being used for collaboration in the CIP (Continuous Improvement Plan) budget, DIT (District Improvement Team), Transform 20/20 Technology Plan and Inventory, Professional Development Planning and RTI (Response to Instruction) to name a few. The special education teachers indicated an increase in productivity since they are now able to access SETS (Special Education Tracking System) from home. Lesson plans indicated that teachers are utilizing the assessment for instructional planning, to measure growth and mastery of skills, progress monitoring for RTI or other purposes, identifying at-risk students, and much more.

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Based on Administrative classroom observations, our school utilizes various means of technology-based resources to increase our

productivity. INow Parent Portal allows parents to access student assignments and grades. LanSchool allows teachers in our computer labs to engage their students in learning activities to facilitate real-life experiences. Multiple shared network drive and Google Drive resources allow teachers an opportunity to share classroom lessons and resources across the county. Classroom teachers are establishing e-mail lists to notify parents on a variety of issues related to student performance.

Source: Administrator Walk-Throughs

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

According to the Alabama Transform 2020 Technology Survey Alignment, 70% of our instructional leaders currently utilize resources such as Google docs, network resources, email, and INOW to increase productivity. They collaboratively engage in the development, implementation and communication of our school technology plan and advocate the use of digital tools and online resources for both students and teachers. With training from our school technology coach and technology integration specialist, we will focus on improving our administrator's technology expertise by continuing to facilitate and participate in learning communities that support both teacher and other administrators in the study and use of technology. According to the technology survey, 70% of our administrators participated in these trainings. (Last year's average was 26%). Through interviews during walk-throughs, we discovered that the low percentage was due to the fact that most training opportunities were held off-site so principals did not participate. Additional training opportunities were offered locally by the technology integration specialist and school technology coach to increase administrator participation.

During the 2014-2015 school year, we implemented quarterly instructional principal's meetings that include site visits to area schools to observe technology integration and project-based learning as well as other Best Practices. As a result of these experiences, we plan to continue improving our administrator understanding of technology integration in order to better support it at the classroom level. We have expanded this program in the 2018-2019 school year. Technology Professional Development was embedded in the monthly principal meetings in the 2017-2018 school year to prepare administration for full implementation into Google Suite. All documentation and forms have been digitized and shared with principals through Google Team Drive. Additional training was provided throughout the year to expand the use of Google Drive, Docs, Sheets, Classroom etc. 95% of administrators are using Google Classroom for lesson plan submission, tracking of PLU's through Educator Effectiveness and the CIP (Continuous Improvement Plan).

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According to the Blount County needs assessment(question #29), 73.5% of our instructional leaders currently utilize programs such as Google docs, network resources, email, and INOW to increase productivity. This is a 6.5% increase due to inccreased activity within Google G-Suite.
With training from our school technology coach, we will focus on improving our administrator's technology expertise by continuing to facilitate and participate in learning communities that support both teachers and other administrators in the study and use of technology. Additional professional development opportunities have been utilized during monthly administrator meetings.

Source: Technology Plan Survey-Admin

Identify the top 1-3 areas of need associated with other technology program areas. Identify the data sources and actual data results that led you to conclude that these are areas of strength and need.

Keyboarding proficiency for all students will be driven to the forefront due to increased rigor in writing and assessments for the new college and career ready standards. Forte keyboarding devices and carts were purchased for every elementary school in the 2014-2015 year to address the need for keyboard instruction beginning in the third grade. This allowed each 3rd and 4th grade school access to Forte's for every student. An additional 15 devices per school were purchased to expand the instruction into upper grade levels. According to the CIP budget, additional schools are using Title I funds to purchase additional Forte sets and other software to address these issues in individual classrooms. in addition to the Forte's,

In 2018, all elementary schools received a Chromebook cart of 30 devices to alleviate scheduling conflicts in the computer labs during the 2016-2017 school year.   Several of our schools plan on purchasing additional carts this year as Title I funds become available. According to the CIP additional Chromebook carts (30) will be purchased for the following: AHS - 2 carts, BES - 2 carts, CES - 2 carts and an additional computer lab (30), CHS - 1 cart, HES - 3 carts, LFES - 2 carts, PHS - 1 cart, SES - 1 cart, SMES - 1 cart, SMHS 2 carts. Teachers throughout the district are applying for the Blount County Education Foundation grants to purchase Chromebooks for their classroom. Each individual grant would allow them to purchase 3 devices and a collaborative grant would provide funds for a grade level cart of 30. Teachers will utilize web based keyboarding programs with the Chromebooks in the classroom.

The district has implemented a 3rd grade Chromebook one-to-one initiative in the fall of 2018. Contingent upon funding, we plan to add a grade level per year.

All schools have at least 2 computer labs but much of the scheduled time is allotted to assessments and research so teachers have a difficult time addressing this issue during regular scheduled lab time. All high schools within the district will get a lab upgrade in the fall of 2018. Every year labs are replaced on a rotating basis as funds are available. Existing computers are re-loaded and placed in classrooms to replace obsolete equipment.

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While our technology has greatly improved, we still have a high need for enhancing and expanding our technology infrastructure. Aging buildings across the county need the necessary power outlets, internet drops, and enhanced wifi to accommodate expanding technology in 21st century classrooms. 72.6% of teachers in our district identified the need to enhance and expand facilities for maintaining computers and other technology equipment as a top priority.

Source: Technology Plan Survey

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 technology coordinator, technology integration specialist, school technology coaches, assistant technology coaches, secondary/primary curriculum coordinators and experienced teachers serve as mentors to their peers to provide on-going professional development. Professional development workshops are offered during summer, after school, and onsite that address weaknesses as identified in the Alabama Transform 2020 Technology Survey. Professional development will continue to be offered at the local schools to provide training as needed to meet the individual needs of the teachers and to align the technology expertise with the local school technology objectives as identified in the Continuous Improvement Plan (CIP.)

Professional development is offered during prep time or after school to alleviate the need for substitutes. In-house mentors facilitate by modeling technology-rich instructional strategies and providing hands-on activities. The ultimate goal is for teachers to become comfortable with digital tools and how to integrate them seamlessly into the classroom.

We strive to promote a professional development program placing technology in the context of student-centered instructional practices. Focusing on the relationship between the professional learning activity and teachers' use of technology in the classroom and their general instructional practices. We offer many professional learning opportunities facilitated by our professional development department. These are conducted by both internal and external presenters. Due to lack of funds available for professional development and substitutes, we have increased utilization of the Technology-in-Motion trainer at many schools.

The district technology department, technology integration specialist, parental involvement specialist, and school tech coaches, hosted a Google Bytes Summit in July on Gmail, Calendar, Classroom, Docs, Drive, etc. for teachers. These sessions were geared toward participants with a beginning or moderate knowledge level.

Our lead teachers, administrators, technology integration specialist, (2 teachers and 1 administrator from each campus) and other central office staff will attend G Suite professional development beginning in January 2019. Two additional days are scheduled in March and August/September. The team will employ the train-the-trainer method at each school and present a PD session with their staff following each training day. The first 2 days consist of in-depth training on Google Classroom, Drive, Docs, Forms & Chrome OS. The 3rd day is focused on applying those skills for creativity and integrating them into the curriculum. The final day will be scheduled at the end of the summer or the beginning of the 2019-2020 school year so the turn around training is relevant for the teachers and staff. (Many times we do not get the desired results from PD sessions due to the amount of time that elapses between the training and application in the classroom.)

K-6 Cohort & 7-12 Cohort - 8:30 -3:30 - Tech Leaders, Administrators, Central Office Staff, Technology Staff, 50 total participants

Contingent on Title I & Title V funding, we are contracting with EdTech Team, Inc. to provide Blount County Schools (BCS) with the following high-quality professional development sessions:

Day 1

Google Classroom/Drive/Docs

 Google Classroom to communicate with students

 Engaging elementary students with Hyperdocs

 Drive organization and sharing best practices

Google Classroom/Drive/Docs

 Review of Drive: organizing Drive

Docs: add-ons, assistive tools, tables, hyperlinks, HyperDocs,

Drawings: insert drawings in Docs and the stand-alone Drawings app

Classroom: review and best practices

Day 2
Google Forms and the Chrome OS

Extensions and Chromebook tips to help your early learners

Formative/Summative assessment using Google Forms

Manipulating data in the elementary classroom

Google Forms and the Chrome OS

Chromebook tips and Extensions

Chrome OS organization and best practices

Forms: quiz features

Visualizing data using charts in Sheets

Day 3
G Suite for Creativity

Google Slides for interactive presentations and digital portfolios

Google Drawings for graphic organizers and writing prompts

Chromebook apps for video and image editing
G Suite for Creativity

Interactive Slides for class efficiency and collaboration

Sites for Digital Portfolios

YouTube channel, playlists and uploading

Chromebook apps for video and image editing - screencasting

The district plans to host a Google Summit in July 2020 in conjunction with Oneonta City Schools. We will utilize our tech leaders for a portion of these sessions using the train-the-trainer method of delivery. These individuals will be selected following the G Suite Professional Development beginning January 2019.

Beginning in 2018, SimpleK12 was purchased to meet the state and federal mandatory requirements for the following: Bullying Prevention, Health Safety, Mandatory Reporting, School Safety Procedures, Standard Precautions, and Required Safety Training. This online teacher training platform also provides individualized training based on teacher need and interest on subjects such as Google G Suite, Microsoft Suite, etc.

Teachers and school leaders also take advantage of national, state, and regional workshops such as AETA, AETC, FETC and ISTE. STI PD is being utilized to register and document professional development activities in the district. Several members of the technology team will attend workshops during the 2017-2018 year as follows:

AETA (Alabama Educational Technology Association) - June 2018 - School Technology Coaches, Blount County Career Tech Instructors, Administrators

ISTE (International Society for Technology Education) - June 2018 - Technology Coordinator, Technology Technician, Technology Integration Specialist, Parent Involvement Specialist

FETC (Future of Technology Conference) - January 2019 - Technology Coordinator, Technology Technician, Technology Integration Specialist, Local School Technology Coach/ACCESS facilitator. Locust Fork High School principal, media specialist, and school technology coach.

The technology integration specialist will focus on basic Chromebook skills and Google Classroom instruction for 3rd - 8th grade teachers and students. These sessions provide the basic skills to promote ease of use for teachers using Google Suite products in a collaborative setting. Google Classroom introduces basic navigation skills for a learning management system.

Professional learning opportunities are on-going for teachers and administrators through one-on-one instruction provided by the technology integration specialist as needed. Each school has a School Technology Coach and Assistant to provide additional tech and training support as needed on a daily basis.

Blount County will continue to provide teachers with the skills needed to utilize 21st Century equipment for enrichment. We will conduct individual and small group learning activities for teachers and administrators at the local schools to meet an increasing need of onsite PD requests. Calendly (scheduling app) has been purchased for the technology integration specialist to facilitate ease of scheduling for requests. (calendly.com/canoles)

Our Educator Effectiveness Rubrics Self-Evaluations were set up in Google Classroom and assignments began September 2017 and continued for nine weeks at the beginning of the school year. This format immersed teachers and administrators in this learning platform and sparked an interest in utilizing this resource in their own classrooms. We will continue to use this platform in the coming years.

After the successful roll out of Google Classroom, many administrators are transitioning from hard copy documentation to digital copies through the use of Google Drive, Team Drive, & Classroom.

With the implementation of Google Apps for Education, teachers and staff requested in-depth training during prep-times and after school. Teachers are eager to use Google Drive & Classroom with their students and provide an easy collaborative experience.

With the District re-branding, we upgraded the website to meet ADA (Americans with Disabilities Act) regulations. This will allow us to manage a district Facebook & Twitter feed. Extensive training will occur so that each school will be able to build/maintain their own web pages.

Workshops were conducted by the technology integration specialist (TIS), software vendors, Athens State Technology-in-Motion, parental involvement specialist, and other LEA staff during the 2018-2019 school year on the following:

Subject - Location - Date - Length of Training - Trainer - Participants - Attendees - Total Hours

Google Bytes - CHS - 7-18-18 - 1 Hour - Trainers: Technology Staff, Parental Involvement Specialist - K-12 Teachers - 33

Tech Tips - 8-6-18 Resource Center (RC) - 8-6-18 - 1 Hour - Technology Integration Specialist (TIS) - K-12 New Teachers - 42

Computer Imaging - 8-1-18 - LFHS - 2 Hours - TIS - Media Specialist, School Tech Coach - 2

Chromebook Into & Google Classroom - 8-6-18 - RC - 6 Hours - TIS - 3rd Grade Teachers - 21 - 126

Google Classroom - 8-14-18 - BES - 1 Hour - 4th Grade Teacher - 1

Chromebook & Google Classroom - 8-14-18 - BES - 6 Hours - TIS - 3rd Grade Teacher - 6

Chromebook & Google Classroom - 8-14-18 - BES - 1 Hour - TIS - 3rd Grade Students - 76

Chromebook & Google Classroom - 8-15-18 - HES - 3 Hours - TIS - 3rd Grade Students - (44 students) Total132, Teacher 6 Hours

Chromebook & Google Classroom - 8-16-18 - HES - 3 Hours - TIS - 3rd Grade Students - (39 students) Total 117, Teacher 6 Hours

Chromebook & Google Classroom - 8-21-18 - HES - 3 Hours - TIS - 3rd Grade Students - (40 students) Total 120, Teacher 6 Hours

Chromebook & Google Classroom - 8-22-18 - HES - 3 Hours - TIS - 3rd Grade Students - (44 students) Total 132, Teacher 6 Hours

Chromebook & Google Classroom - 8-23-18 - HES - 3 Hours - TIS - 3rd Grade Students - (45 students) Total 135, Teacher 6 Hours

Chromebook & Google Classroom - 8-29-18 - HES - 3 Hours - TIS - 3rd Grade Students - (44 students) Total 132, Teacher 6 Hours

Chromebook & Google Classroom - 9-4-18 - BES- 1 Hour - TIS -2nd Grade Teacher - 1

These Face-to-Face training sessions provided by the Technology Integration Specialist are continuing throughout the year and scheduled through calendly.com/canoles. With the implementation of the 3rd grade Chromebook One-to-One initiative, these sessions provide the base-knowledge for the students and teachers to integrate this technology into the curriculum.

Student Technology Sessions are offered by the Blount County Education Foundation. Their focus for the past summer was,

Welcome to the Summer of STREAM!!!!

Science * Technology * Reading * Engineering * Arts * Math

We served a total of 1,230 students. They attended 3, 304 sessions. We had 30 camps and 10 library programs.

Elementary Sessions:

June 7 - Graphic Design 1.0 - 3.5 Hours - PHS - Richard Phillips, Business Owner - Say What Logo & Print Design

June 8 - Engineering Camp - 4 Hours - SMES - David Osborne, Alabama Power - What Does an Engineer Do?

June 9 - Digital Photography - 2.5 - PHS - Theresa Burns, Wallace State Instructor - Basic Camera, cropping, & lighting

June 13-17 - Theater Camp - 7 per day - PHS, Carron Clem, Covered Bridge Players - Scene work, light/sound, etc.

June 13 - 16 - CSI: Can you Solve the Crime - 4 Hours - SMES - STEAM Lab Teacher - Analyze fingerprints, bite marks, etc.

June 13 - 16 - The Great Art, Science, Math, & Music - 4 Hours per day - Elementary Teachers - Science cooking experiments

June 13 - Law Camp - 3 Hours - SMES - 3 Hours - Pamela Casey, District Attorney - Nation's Legal System

June 16 - Wild About Art - 3 Hours - LFES - Laura Walker, Wallace State Instructor - Art Projects with Recycled Materials

June 21 - 23 - Journalism, Yearbook - 4 Hours - LFES - Elementary Teacher - Research, Interview, Writing & More

June 21 - Virtual Reality - 3.5 Hours - PHS - Tech Integration Specialist - Create your own virtual reality experience

July 11 - 14 - Science Fun - 3.5 Hours - CHS - Career Tech Teacher - STEM activities

July 12 - Law Enforcement Camp - 2 Hours - PHS - Lt Russ Claburn, School Resource Officer Supervisor - Forensics

High School Sessions

June 1 - AP Literature & College Writing - 4 Hours - BCCTC - Teacher - Advance/College Writing

June 6 - Digital Photography - 6 Hours - PHS - Career Coach - Photography, Adobe Photoshop, LightRoom, & More

June 7 - Graphic Design 1.0 - 3.5 Hours - PHS - Richard Phillips, Business Owner - Say What Logo & Print Design

June 8 - Engineering Camp - 4 Hours - SMES - David Osborne, Alabama Power - What Does an Engineer Do?

June 9 - Digital Photography - 6 Hours - PHS - Career Coach - Photography, Adobe Photoshop, LightRoom, & More

June 13 - Law Camp - 3 Hours - SMES - 3 Hours - Pamela Casey, District Attorney - Nation's Legal System

June 14 - 16 - Firefighter Camp - 6 Hours Day - PHS - Blount County Fire & EMA - First Responder Training

June 15, 22, 29 - Leadership Camp - 6 Hours - BOE - Aimee Wilson, Chamber of Commerce & Business Leaders

June 21 - 23 - Journalism, Yearbook - 4 Hours - LFES - Elementary Teacher - Research, Interview, Writing & More

June 30 - Marketing Yourself: Business & College - LFHS - Dr Stoney Beavers, Asst Superintendent, Peyton Hazelrig, CHS graduate

July 11 - 14 - Science Fun - 3.5 Hours - CHS - Career Tech Teacher - STEM activities

June 21 - Virtual Reality - 3.5 Hours - PHS - Tech Integration Specialist. Tech Coordinator - Create your own virtual reality experience

Summer Program 2018 Partners: Alabama Power Foundation, Appalachian Regional Commission, Blount County Literacy Council, Cawaco RC&D, Inc., Community Foundation of Greater Birmingham, Daniel Foundation of Alabama, Hometown Bank, Peoples Bank of Alabama, United Way of Central Alabama

The Technology Integration Specialist for Blount County will conduct individualized professional learning opportunities with teachers at the local schools as needed. Local teachers will sign up for a 60 minute session with the Technology Integration Specialist. Simple K12 on line professional development has been purchased to enhance flexibility and opportunities.

The School Technology Coach will be trained by the Technology Integration Specialist in order to train local teachers (Train the Trainer) in specific areas. This training will take place during the school day. The School Technology Coach will also conduct one-on-one collaboration with individual local teachers as needed. The local School Technology Coach will conduct these collaborations during after school hours or during 30 minute prep times.   Blount County offers a Parental Specialist housed at the county's Resource Center to offer internet safety, computer and office training to community stakeholders and parents.

Accountability Questions

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:

75% of Seventh, Eighth, Ninth, Tenth, Eleventh and Twelfth grade Black or African-American, Asian, White, Economically Disadvantaged, Gifted and Talented, Hispanic or Latino, Students with Disabilities, English Learners, Two or More Races, American Indian or Alaska Native and Native Hawaiian or Other Pacific Islander students will demonstrate a proficiency in the understanding of technology concepts, systems, and operations. in English Language Arts by 05/01/2020 as measured by Student portfolios, classroom observations, and implementation of Courses of Study-Lesson Plans..

Strategy1:

Real-Life Experiences - Teachers will use technology and resources to provide standards-based instruction in authentic learning activities in all content areas of responsibility to facilitate real-life experiences that advance student learning. Resources needed: access to computers in lab, Chromebook carts, library, or classroom. This will be monitored during walk-throughs at local schools.

Category: Develop/Implement College and Career Ready Standards

Research Cited: Alsde: Alabama college and career ready initiative (alabama common core standards). (n.d.). Retrieved from http://www.alsde.edu/home/General/alccs.aspx

Activity - STEAM Lab	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Implement and Expand Science, Technology, Engineering, Arts, and Math Lab for Elementary and High School students	Career Preparation/ Orientation Technology	04/02/2018	05/28/2021	$175000 - Other	Superintendent, Assistant Superintendent, School Principals, Classroom Teacher, Technology Coordinator, School Technology Coaches.

Strategy2:

Digital Tools - English/Language Arts teachers will use digital tools to increase student engagement in the classroom. Lesson plans and CIP walk-throughs will reflect the incorporation of technology resources.

Category:

Research Cited: Alsde: Alabama college and career ready initiative (alabama common core standards). (n.d.). Retrieved from http://www.alsde.edu/home/General/alccs.aspx

Activity - Computer Lab Upgrades	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Upgrade computers in all computer labs to assure that all computers are 4 years or less in age.	Technology	11/01/2018	05/28/2021	$9000 - District Funding	Technology Coordinator

Activity - Google G Suite	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Provides a collaborative platform for teachers to share resources for project based learning.	Technology	05/01/2018	05/28/2021	$0 - No Funding Required	School Administration, School Teachers/Staff, Technology Coordinator, School Integration Specialist, School Technology Coach,

Activity - Chromebooks	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
During the 2017-2018 school year, we currently have 3 Chromebook carts for classroom use. The Blount County Board of Education has budgeted $121,400 for one-to-one Chromebooks for 7th graders. CHS will receive $6,761 of these funds.	Technology	01/01/2016	05/28/2021	$6761 - Title I Part A	Principal, Vice Principal, Media Specialist, School Technology Coach

Activity - Technology Upgrades	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Provide each teacher with an additional piece of technology equipment for use in the classroom.	Technology	11/01/2018	05/28/2021	$8000 - State Funds	School Principal, Media Specialist, School Technology Coach

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 locate and promote the use of high-quality, cost effective, complete and supplemental managed interactive, digital content curriculum materials and text aligned with Alabama's College and Career Readiness Standards. by 05/22/2020 as measured by Transform 2020 Technology Survey.

Strategy1:

Digital Content - Technology Integration Specialist and School Technology Coach will promote the use of digital content and shared resources with teachers and students

Category:

Research Cited: AL College and Career Readiness Standards

Activity - One-Call Now	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
One-Call Now is used to communicate with parents regarding school closings, changes in school schedules, upcoming events, and other information as deemed necessary by school administrators.	Parent Involvement	08/01/2016	05/28/2021	$0 - Other	Superintendent, Principal

Activity - Parental Communication	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
INOW Parent Portal is being used to communicate with parents regarding current student grades and assignments and due dates.	Parent Involvement	08/08/2016	05/28/2021	$0 - No Funding Required	Administrators, INOW Managers, Teachers

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 locate and promote the use of high-quality, cost effective, complete and supplemental managed interactive, digital content curriculum materials and text aligned with Alabama's College and Career Readiness Standards. by 05/22/2020 as measured by Transform 2020 Technology Survey.

Strategy1:

Digital Content - Technology Integration Specialist and School Technology Coach will promote the use of digital content and shared resources with teachers and students

Category:

Research Cited: AL College and Career Readiness Standards

Activity - Professional Learning	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Technology Integration Specialist and School Technology Coach will 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.	Professional Learning	08/08/2016	05/28/2021	$0 - No Funding Required	Technology Integration Specialist, School Technology Coaches, Teachers

Activity - Parental Communication	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
INOW Parent Portal is being used to communicate with parents regarding current student grades and assignments and due dates.	Parent Involvement	08/08/2016	05/28/2021	$0 - No Funding Required	Administrators, INOW Managers, Teachers

Activity - Chromebook Carts	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Chromebook carts have been purchased for classroom use and additional funding is being made available for purchase of another set.	Technology	01/01/2016	05/28/2021	$6761 - Title I Part A	Principal, Vice Principal, Media Specialist, School Technology Coach

Activity - Network Resources	Activity Type	Begin Date	End Date	Funding Amount & Source	Staff Responsible
Technology Integration Specialist and School Technology Coach will provide resources on a shared network drive	Academic Support Program	08/19/2013	05/01/2020	$0 - No Funding Required	Technology Integration Specialist, School Technology Coach