LAFAYETTE DISTRICT SCHOOLS

DIGITAL CLASSROOM PLAN

September 16, 2014

Part I.   DIGITAL CLASSROOMS PLAN - OVERVIEW

I.A   <u>District Mission and Vision Statements</u>

Our mission is to create an environment that integrates technology as a part of the educational experience, and provides all learners with skills to access knowledge that will build a foundation for their future. We will accomplish this vision by creating a technological environment that allows all learners equal access to interact and collaborate successfully. We believe that the use of technology as a part of the curriculum should focus on supporting higher-level learning, problem solving, critical thinking skills, and collaboration.

Lafayette District has identified eight long-term goals for integrating technology into all aspects of the educational system. These goals will guide the technology planning process and the implementation of the plan during the five year duration of this plan.
These goals are:

1. Increase access to technology for students, parents, and district faculty and staff.
2. Integrate technology into the curriculum aligned with the Florida Standards (FS) (content and performance standards).
3. Integrate technology to automate department paperwork and processes across the district.
4. Provide ongoing staff development for the implementation and use of technology.
5. Provide ongoing communication with and between the Board, other administration, teachers, staff, students, parents, and the community.
6. Establish district standards for infrastructure, procurement, hardware, software, and communications including upgrade and maintenance.
7. Identify the resources necessary to implement the technology plan.
8. Establish an ongoing process as a means to evaluate the effective implementation of the technology plan.

Lafayette County School District believes that an ongoing commitment to current technology is an integral component of an educational process designed to:

● Prepare students to become competent lifelong learners
● Improve student critical thinking, problem solving and decision making skills
● Help students work ethically, independently, and collaboratively within a global environment
● Enhance the learning environment to meet curricular needs across all subjects and grade levels
● Improve equity of access to information, learning tools, and communications for all members of the learning community

- Improve instructional strategies to increase student achievement regardless of ethnicity, socioeconomic status, learning styles, or abilities
- Accurately and efficiently assess, monitor, and communicate student progress
- Improve communications among parents, students, teachers, and community
- Provide teachers with consistent and high quality professional development opportunities that will allow them to become highly skilled at integrating technology into their curriculum

Our vision of technology is guided by the following mission statements and articulates Lafayette County School District's purpose and function as related to technology:

- Make technology a part of learning activities: Technology is most effective when integrated as one component into learning environments and used as a tool for active construction of knowledge and skills by students. It should promote higher levels of critical and creative thinking and problem solving. In addition, computer devices need to be in classrooms and other locations where students and teachers have easy access throughout the day.
- Provide ongoing staff and curriculum development: Intensive staff and curriculum development are critical to realize the potential of new learning technologies. An ongoing update of technology plans and staff skills will be needed.
- Promote the location and use of information to solve problems: Effective use of and improved access to technology are factors in the rapid expansion of knowledge today. Therefore, the ability to find and use information to solve meaningful problems is an essential outcome of education for today and tomorrow. Technology will enable schools, teachers, parents, and citizens to change toward helping people "learn how to learn" on a life-long basis.
- Accommodate individual learning styles for all students: Restructuring of information into interactive multimedia provides assistance to learn with individual styles and paces customized to our needs. It allows us to present and understand information using text, images, and sound to overcome traditional learning difficulties.
- Facilitate communication and teamwork: Computer networks can facilitate student, teacher, and family communication and promote teamwork through voicemail, electronic mail, electronic bulletin board systems, file-sharing, and database sharing.

To achieve our vision for technology, we will focus on several projects:

1. Student computing – We will ensure that every student has access to a computing device when they need it with devices and policies differentiated by level and learner needs, to ensure access to information, increased collaboration, and multiple forms of student expression of learning.
2. Staff computing – We will provide all staff with the appropriate technology needed for high quality planning, instruction, and data use, as well as collaborative learning, including mobile computing for teachers and school administrators.
3. School learning spaces – We will create learning spaces that work for individual, small group, and large group instruction, and equip them with the right technology for collaborative projects and creative problem solving.

4. Networks and servers – We will upgrade our networks and servers so that students and staff can access resources when and where they need them.
5. Student information systems – We will improve our student data systems to help students and staff tailor learning based upon students' strengths and needs.
6. Professional learning for staff – We will implement ongoing, relevant, and collaborative professional learning for staff with a focus on instructional technology.
7. Support for all – We will provide students, staff, and families with high-quality technical support and strategies for authentic engagement.

The plan includes deliberate preparation, implementation, and monitoring phases to ensure each project's success. By phasing in projects strategically over five years, we can learn from each other and from emerging best practices, build on our successes, spread out up-front costs, and address key challenges that arise. We will also track implementation metrics so we know how the plan is serving our students, staff, and families. Thoughtful and innovative use of technology is a key tool for our district as we stay focused on providing the very best instruction to every student.

I.B   **District Profile**

Lafayette County is a small rural county located in North Florida. According to the 2010 census, Lafayette County is the second least populated county with a population of 8,870 residents. The county has one elementary and one high school. Many of our students live on family owned farms. Other than agriculture, the three largest employers are a state prison, county government, and the local school district. The percentage of persons living below the poverty level in Lafayette County is 20.8%. (US Census Bureau, 2008-2012) The median household income in Lafayette County was $44,180. (US Census Bureau, 2008-2012) The percentage of white, black and Hispanic residents was 82.5%, 15.2%, and 12.6%, respectively. (US Census Bureau, 2008-2012)

I.C   **District Team Profile**

Title/Role	Name:	Email/Phone:
Information Technology District Contact	Adam Walker	awalker@lcsbmail.net 386-294-4293
Curriculum District Contact	Lisa Hancock	lhancock@lcsbmail.net 386-294-4166
Instructional District Contact	Gina Hart	ghart@lcsbmail.net 386-294-4137
Finance District Contact	Tammi Maund	tmaund@lcsbmail.net 386-294-4111
District Leadership Contact	Robby Edwards	redwards@lcsbamil.net 386-294-4176
Educational Partnership	Tracey Wilkerson	Wilkersont@nefec.org 386-329-3800

I.D   Planning Process

The district digital learning committee established guidelines for the development, implementation, monitoring and evaluation of the Lafayette County School District 2014-2019 Technology Plan. The committee will also assist in the implementation of the activities described in the objectives. The plan consists of a comprehensive program that effectively uses technology to help students meet or exceed the state academic content standards in all core content areas including Language Arts, Mathematics, Science and Social Studies along with the English Language Development standards.

The plan also provides a clear focus to enhance the district's curricular program and improve school community technology skills needed to effectively implement the use of technology in the classroom, computer labs, and/or library media centers. Technology curricular goals are included in each school site's plan for student achievement.

The School Advisory Council at each school is comprised of parents, community members, and business leaders. This Council provides ongoing input directly to the Principals regarding the digital learning plan at the Council's scheduled monthly meetings.

Lafayette County School District is committed to reaching all learners, regardless of their abilities. Students with disabilities require accommodations and modifications, and our staff is devoted to utilizing flexible ways to present information such as digital books, text-to-speech applications, and specialized software. Our staff also provides students with various ways to express themselves in order to increase active engagement in different settings and situations. In addition, assistive technology devices are available for students with disabilities to participate, communicate, and learn more effectively in the classroom. An assistive technology device is any item, piece of equipment, or product system, whether acquired commercially off the shelf, modified, or customized, that is used to increase, maintain, or improve the functional capabilities of a child with a disability. The district employs a variety of assistive technology devices to augment, supplement and compliment the educational process for students with special needs. Child Study Teams identify assistive technology needs on a case-by-case basis, and teachers have access to a laptop or desktop computer in the classroom. All computers have the ability to activate the "Accessibility Options" built in to the Microsoft and Mac operating system. In the higher-grade levels, students have access to a collaborative global community of learners, using tools such as online learning, podcasts, wikis, social networking, etc.

Assistive Technology is provided through the Assistive Technology and Universal Design for Learning Loan Library through Florida's MTSS Projects.

I.E   Multi-Tiered System of Supports (MTSS)

To establish a sustainable process for recognizing and disseminating student produced learning using digital processes or resources the district shall develop and implement a process at each school for recognizing quality student developed digital learning supports and a process for sharing those process and/or resources with other students. Lafayette County uses Skyward as their Student Information System, Human Resources and Finance System, Educator Access,

Parent Access and Student Access system. Skyward has a Multi-Tiered System of Supports embedded into the application that is integrated into the core application. Districts, as well as teachers, can view relevant data (based on security roles) and then collaborate with administrators or fellow teachers. The system also includes a gradual release of responsibility strategies to accelerate independent student use of digital learning resources. Teachers can also broadcast communications to parents and students using Skyward or communicate one-on-one with parents/students using Skyward tools.

Part II. DIGITAL CLASSROOMS PLAN –STRATEGY

II.A   Student Performance Analysis -Needs Analysis:

One of the primary reasons for developing a technology plan is to find ways to effectively integrate technology into the curriculum. We believe that technology should promote higher-level learning, problem solving, critical thinking skills, and collaboration across all curricular areas. As a parallel development, Lafayette County School District is continuing to refine the use of the Online Assessment Reporting System and reports available through Performance Matters as an online repository of classroom and district assessments.

We will continue to raise the level of technology integration in the learning experience for all students. Teachers must become more comfortable using technology to support student learning in the classroom. We want to see a measurable impact of technology on student achievement. Students should become better readers, writers and mathematicians because of their interaction with classroom technology. Teachers should be using technology tools to assist them in making good instructional decisions for their students. The evaluation that was conducted as part of our technology planning effort has assisted us in identifying several areas of focus. The district technology plan will address how the district's technology effort will continue to support the curricular needs of students over the next five years – encompassing the 2014-2015 school year through the 2018-2019 school year.

Planning for high performance learning begins by focusing on student learning. The Florida Standards and NGSSS curriculum standards need to be aligned with student technology standards. As we continue the process of using standards-based instruction and aligning technology standards, the district will be better prepared to plan for staff development and infrastructure management.
Our curriculum goals are divided into four areas:
1. Integrate technology tools/equipment to support student learning and to aid teachers in the delivery of the core curriculum
2. Use assessment data to guide student learning activities and lesson plan development for all classrooms
3. Identify appropriate software and courseware to support the instructional program of the entire district
4. Continue to increase student achievement in all core content areas including Language Arts, Mathematics, Science, Social Studies and Visual and Performing Arts as well as English Language Development.

Lafayette County School District teachers use data on student academic performance to make informed instructional decisions in their classrooms. Currently, teachers use Performance Matters to track data in their classrooms. The district collects performance data on students several times over the course of the school year. Many teachers use the Discovery Education, Edgenuity, Achieve, Performance Matters, FCAT Explorer and/or FAIR test item banks to generate classroom developed assessments to further monitor students' progress. All schools have access to the following software: Performance Matters, Achieve, FAIR, and FCAT Explorer. In addition to the software titles listed, every school has a myriad of digital resources that are part of the instructional materials adoptions that have taken place over the past several years. These resources include: ExamView, PearsonVue, and ThinkCentral.

Student Performance Outcomes (Required)		Baseline	Target	Date for Target to be Achieved (*year*)
1.	ELA Student Achievement	50%	79%	2017
2.	Math Student Achievement	67%	78%	2017
3.	Science Student Achievement	54%	59%	2017
4.	ELA Learning Gains	66%	71%	2017
5.	Math Learning Gains	78%	83%	2017
6.	ELA Learning Gains of the Low 25%	69%	74%	2017
7.	Math Learning Gains of the Low 25%	70%	75%	2017
8.	Overall, 4-year Graduation Rate	86%	88%	2017
9.	Acceleration Success Rate	Not Available		

Student Performance Outcomes:
- District shall improve classroom teaching and learning to enable all students to be digital learners with access to digital tools and resources for the full integration of the Florida Standards.
- District shall improve overall student Reading scores from 50% to 63% by 2015.
- District shall improve Black/African American student Reading scores from 29% to 45% by 2014.
- District shall improve Black/African American student Mathematics scores from 41% to 46% by 2015.
- District shall improve Economically Disadvantaged student Reading scores from 37% to 51% by 2015.
- District shall improve English Language Learners student Reading scores from 25% to 36% by 2015.
- District shall improve Hispanic student Reading scores from 41% to 48% by 2015.
- District shall improve Students with Disabilities Reading scores from 22% to 43% by 2015.
- District shall improve Students with Disabilities Mathematics scores from 35% to 41% by 2015.
- District shall improve White student Reading scores from 55% to 68% by 2015.

*It should be noted the district student achievement data provided is from the 13-14 District Improvement Plan. Student Achievement data for the 14-15 District Improvement Plan is not available at this time.

Lafayette County School District actually showed improvement based on the 13-14 results for their elementary school. The Lafayette Elementary School has improved from a school grade of a C for the 2012-2013 school year to a school grade of a B for the 2013-2014. The Lafayette High School has met and/or exceeded all of the state proficiency rates in every area except the at-risk graduation rate. It has earned the points for a school grade of an A, however, due to the at-risk graduation rate, should obtain a B. The increase in student achievement can be attributed to low classroom sizes, retention of highly qualified teachers and the professional development offered by the district.

II.B. <u>**Digital Learning and Technology Infrastructure – Needs Analysis:**</u>

Infrastructure Needs Analysis (Required)		Baseline	Target	Date for Target to be Achieved *(year)*
1.	Student to Computer Device Ratio	3.4:1	1:1	2019
2.	Count of student instructional desktop computers meeting specifications	190	120	2019
3.	Count of student instructional mobile computers (laptops) meeting specifications	156	900	2019
4.	Count of student web-thin client computers meeting specifications	14	0	2019
5.	Count of student large screen tablets meeting specifications	0	75	2019
6.	Percent of schools meeting recommended bandwidth standard	0	100%	2019
7.	Percent of wireless classrooms (802.11n or higher)	58%	100%	2019

Digital Learning and Technology Outcomes:

- District will create a Digital Learning Infrastructure with the appropriate levels of bandwidth, devices, hardware, and software.
- District will provide access to cloud technology.
- District will increase access to online assessment testing.
- District will provide computer based testing certification in Digital Design and Agricultural Career Academies.
- District will improve bandwidth to meet the state guidelines.

II.C. <u>**Professional Development Needs Analysis**</u>

The Lafayette School District believes that educator professional learning is an ongoing and constantly evolving part of teaching in the 21st Century. In order to prepare our students to succeed in school as well as in the workforce, we understand that educators must be prepared to integrate and interact with technology to inspire students to create and learn. We also understand that educators possess different levels of knowledge and integration with technology, and professional learning opportunities with an instructional technology focus are essential for the successful integration of technology in the classroom. Leadership for a technology initiative is imperative for the success of this initiative and administrators will have opportunities to participate in professional learning with a focus on systemic improvement.

Lafayette County School District will work to provide instructional personnel and staff with access to opportunities and training to assist with the integration of technology into classroom teaching. Master Inservice Plan components include the following and can be located at http://www.nefec.org/mip/ :

- Technology in the Classroom 3-007-001
- Technology Applications 3-404-001
- Assistive Technology in the Classroom 3-100-001
- Technology for Student Success - Assistive Technology 3-100-003
- Technology for Student Success - An Introduction 3-100-004
- Instructional Technology in the ESE Classroom 3-105-001

Professional Learning opportunities include:

- *Achieve3000*: A web-based, differentiated instruction using nonfiction content and real-time Lexile assessment to help every student reach higher standards, become independent and prepared for college and the workforce.

- *Discovery Education*: A virtual learning experience for all students. Discovery Education accelerates the digital transition through comprehensive standards-based content, professional learning, formative assessment, and community engagement to positively impact student achievement.

- *Edgenuity*: An online and blended learning solution offering data-driven differentiated instruction and rigorous, research-based content that supports college and career readiness.

- *Performance Matters*: A platform which links student and educator data, driving decisions made by teachers, administrators, board members and parents to improve student learning and educator performance.

- *Web 2.0*: Accessible online tools to improve student achievement, behavior, and parent/teacher communication.

The Bureau of Standards and Instructional Support will assist our efforts to develop well-integrated educational technology. District-level professional development on a wide range of topics will be included:
- Effective instructional design and associated software
- Software and hardware to support individualized instruction
- Integration of classroom instruction with resources from the Local Instructional Improvement Systems (LIIS)

In addition, Lafayette County School District will take advantage of the support offered by Learning.com:

- *Getting Started: Foundations of Blended Learning*
  This hands-on workshop will provide an in-depth introduction to the products and tools in the Learning.com platform. Participants will learn how to set up classes, assign content, and become comfortable with the products, platform, and teacher management functions. This session will also provide instructions on how to use My Curriculum tools to create interactive, media-rich content that can be customized in order to engage students and address instructional goals. This workshop series will be offered through NEFEC and will include training on Easy Tech, Curriculum Foundry, and Inquiry building tools that were built into the legislative appropriation.

Additional professional development will be offered by NEFEC that the district will have the opportunity to participate in as they deem needed.

Grant Elements	Summary	NEFEC Supports
1. Support for the evaluation of classroom integration using the Technology Integration Matrix (TIM)	Use TIM to grow implementation of digital content through training, evaluation, and expert conversations (#4).	NEW: Professional Learning for teachers and leaders on the matrix and coordination of expert conversations
2. An Array of High Quality Master Inservice Plan (MIP) Components Supporting Digital Learning	Develop MIP Components that provide for a cohesive, systematic plan for digital learning professional development	CURRENT: Digital Content Conversations Committee NEW: Updating MIP and provide support for inclusion in Digital Classrooms plan
3. Learning Links: Digital Learning Support Resources	Create and maintain system for sharing web-based learning resources.	CURRENT: Content resulting from the Foundations of Blended Learning and Intel Courses, Digital Content Conversation Networking group for district leadership

4. Student Projects using Digital Resources	Preparing teachers to enable student developed learning/digital products.	CURRENT: Intel, FDLRS training on MTSSS, blended learning NEW: Training for teachers and leaders
5. Professional development aligned with: · Developing Digital Content · Employing technology in the Content Areas · Educational technology leadership and management	Professional learning for both teachers and principals, specific to instructional design and developing digital content and assessments	CURRENT: Learning.com, Intel, CPALMS NEW: PD in the development of digital content through Learning.com, blended learning Leadership training on supervision of the development and implementation of digital instruction

Professional Development should be evaluated based on the level of current technology integration by teachers into classrooms. The TIM tool has been made available through the Florida Center for Instructional Technology. This is a tool that serves four (4) main purposes for districts: it provides a framework for defining and evaluating technology integration, sets a clear vision for effective teaching with technology, gives teachers and administrators a common language for setting goals, and helps target professional development resources effectively.

In order to support the implementation and measurement of progress toward digital learning, Lafayette County School District will use the Technology Integration Matrix and the associated evaluation tools to evaluate the level of technology integration in classrooms and to provide teachers with models of how technology can be integrated into instruction in meaningful ways.

Lafayette District Assessment of Current Technology Integration

Entry Level	75%
Adoption Level	25%
Adaptation Level	0%
Infusion Level	0%
Transformation Level	0%
Total	100%

Professional Development Needs Analysis (Required)		Baseline	Target	Date for Target to be Achieved *(year)*
1.	Average Teacher technology integration via the TIM	Entry	Adoption	2016
2.	Average Teacher technology integration via the TIM (Elementary Schools)	Entry	Adoption	2016
3.	Average Teacher technology integration via the TIM (Combination Schools)	Entry	Adoption	2016

Need

Rigorous instructional skills and strategies in the implementation of the Florida Standards English Language Arts and Mathematics for all students

Planned Professional Development

- Personnel participation in Florida Standards training that leads educators from the most basic understanding to mastery-level implementation of the standards
- Job-embedded professional development on the effective integration of technology into the Florida Standards
- A series of Florida Standards trainings for staff and administration

Strategy

- Personnel will be introduced to and collaborate on effective strategies during contractual meetings (common planning, grade level and department meetings), PLCs and in-service days
- Online collaborative environment that allows for the sharing of resources with colleagues
- Online tutorials and webinars will be identified for personnel
- Feedback will be provided to stakeholders from district administrative walkthroughs

Need

Increase the level of technology integration in all subject areas to promote higher level thinking skills for all students

Planned Professional Development

- A series of face to face and online technology integration trainings for staff and administration

Strategy

- Personnel will be introduced to and collaborate on effective strategies during contractual meetings (common planning, grade level and department meetings), PLCs and in-service days
- Online collaborative environment that allows for the sharing of resources with colleagues
- Online tutorials, webinars and 2.0 tools will be identified for personnel
- Feedback will be provided to stakeholders from district administrative walkthroughs

Need
Analyzing data to drive instruction for all students
Planned Professional Development
- District data system training and Student Information System training
- Trainings on the organization, manipulation and use of data
Strategy
- Access to portals on SIS and District data system
- Personnel will analyze individual or group data as a regular part of their PLCs
- Feedback will be provided to stakeholders from district administrative walkthroughs

II.D   Digital Tools – Need Analysis

Lafayette County School District utilizes Performance Matters, an online platform which links student and educator data, driving decisions made by teachers, administrators, board members and parents to improve student learning and educator performance. This tool will assist staff and personnel in the assessment, management and monitoring of student learning and performance. Through Performance Matters, data is used to aid in instructional development and delivery.

A key component to digital tools is the implementation and integration of a digital tool system that assists district instructional personnel and staff in the management, assessment and monitoring of student learning and performance.

Digital Tools Needs Analysis (Required)	Baseline	Target	Date for Target to be Achieved *(year)*
1. Implementation status of a system that enables teachers and administrators to access information about benchmarks and use it to create aligned curriculum guides.	Partly	Maintain System	2017
2. Implementation status of a system that provides teachers and administrators the ability to create instructional materials and/or resources and lesson plans.	Partly	Will continue to implement and employ	2017
3. Implementation status of a system that supports the assessment lifecycle from item creation, to assessment authoring and administration, and scoring.	No system in place	Currently populating system data	2017
4. Implementation status of a system that includes district staff information combined with the ability to create and manage professional development offerings and plans.	Fully implemented	Continue to support	2015
5. Implementation status of a system that	Partially	Continue to	2015

	includes comprehensive student information that is used to inform instructional decisions in the classroom, for analysis and for communicating to students and parents about classroom activities and progress.	implemented	increase implementation	
6.	Implementation status of a system that leverages the availability of data about students, district staff, benchmarks, courses, assessments and instructional resources to provide new ways of viewing and analyzing data.	Partially implemented	Continue to increase implementation	2015
7.	Implementation status of a system that houses documents, videos, and information for teachers, students, parents, district administrators and technical support to access when they have questions about how to use or support the system.	Not implemented	No plans to address at this time	NA
8.	Implementation status of a system that includes or seamlessly shares information about students, district staff, benchmarks, courses, assessments and instructional resources to enable teachers, students, parents, and district administrators to use data to inform instruction and operational practices.	Implemented	Continue to support	2015
9.	Implementation status of a system that provides secure, role-based access to its features and data for teachers, students, parents, district administrators and technical support.	Fully implemented	Continue to support	2015

II.E   Online Assessment Readiness – Needs Analysis:

Online Assessments Needs Analysis (Required)		Baseline	Target	Date for Target to be Achieved *(year)*
1.	Computer-Based Assessment Certification Tool completion rate for schools in the district (Spring 2014)	100%	100%	
2.	Computers/devices required for assessments (based on schedule constraints)	70%	100%	2017
	Online Assessments Needs Analysis (District Provided)	**Baseline**	**Target**	**Date for Target to be Achieved *(year)***
3.	Human Resources (Proctors) required to administer tests	50%	100%	2019

II.E.   Goal Setting:

While overcoming the digital divide might entail more than providing basic access to computers and the Internet, our strategic plan will focus on Maughan (2001), describing the essential components of any robust communication and information system as: 1. Hardware, 2. Infrastructure, 3. Skills, 4. Budget, and 5. Policies. Our strategic plan will focus on hardware and infrastructure needs that will support on-line learning opportunities. Each of these goals will be measured through an accountability system and progress will be documented.

The Lafayette Digital Classroom Plan will address needs in English Language Arts, Mathematics, and Technology Integration.

Mathematics
Goal: By May 2018, 90% of students in grades 3-12 will demonstrate a 3-5% growth annually towards proficiency on the Florida Standards claims as measured by the state assessment, special education assessments, and IEP goals in mathematics.
Objective: Students will use educational software that supports use of the eight standards of mathematical practice and specifically, analytical thinking and problem solving with relevant, real-world applications.
Objective: Students will learn to use a variety of technological math tools.
Objective: Students will use the Internet for research and to enhance their understanding of Florida Standards of mathematics as well as to collaborate with others in mathematics.
Objective: Students will use graphic organizing and presentation software to brainstorm and organize their work.
Objective: Students will use multimedia to enhance their presentation skills

Strategy
- Identify or develop appropriate age/grade level activities to ensure accomplishment of objectives.
- Review of assessment data to determine trends, strengths, and needs.
- Facilitate students' successful completion of activities and mastery of objectives.
- Conduct yearly user/staff surveys to identify strengths and weaknesses of implementation.
- Assess need for additional professional development, hardware or software.
- Identify software and Internet resources to be used.
- Purchase needed software.
- Identify and schedule needed professional development.
- Develop plan for acquiring hardware needed to achieve student performance targets.

Language Arts
Goal: By May 2018, 90% of students in grades 3-12 will demonstrate a 3-5% growth annually towards proficiency on the Florida Standards claims as measured by the state assessment, special education assessments, and IEP goals in language arts.
Objective: Students will utilize technology resources (to include not only those parts of the adopted curriculum) to enhance their learning of ELA content towards mastery of the Florida ELA standards (which include the college and career anchor standards).
Objective: Students will use educational software that supports the Florida ELA standards and specifically, analytical thinking and problem solving with relevant, real-world applications.
Objective: Students will learn keyboarding and word processing (as stated in the Florida ELA content standards).
Objective: Students will use the Internet for research and to enhance their understanding of Florida ELA standards as well as to collaborate with others in ELA.
Objective: Students will use graphic organizing & presentation software to brainstorm and organize their work.
Objective: Students will use multimedia to enhance their presentation skills.
Strategy:
- Identify or develop appropriate age/grade level activities to ensure accomplishment of objectives.
- Review of assessment data to determine trends, strengths, and needs.
- Facilitate students' successful completion of activities and mastery of objectives.
- Conduct yearly user/staff surveys to identify strengths and weaknesses of implementation.
- Assess need for additional professional development, hardware or software.
- Identify software and Internet resources to be used.
- Purchase needed software.
- Identify and schedule needed professional development.
- Develop plan for acquiring hardware needed to achieve student performance targets.

Technology Integration
Goal: Continue to integrate technology into classroom instruction and professional development including the use of environments such as Edmodo, Google Applications for Education, Blended Learning, and Web 2.0 tools.
Objective: Identify and develop support mechanisms and resources for teachers as they utilize technology in the classroom to include special devices for special education students and students in the dual language program.
Objective: Explore and determine alternate ways to support teachers, students, and parents with technology uses to support mastery of the Florida Standards in ELA and mathematics, Next Generation Sunshine Science Standards, and other curricular content standards.
Strategy:
● Lafayette County School District will work together with various vendors, as necessary, to install the technical infrastructure and create the web-based interface that Lafayette County School District users will use. This includes registering new domains, creating student, teacher, and administrator accounts, building databases, and connection file services and directory services.
● Acquisition of new student laptops/chromebooks and carts. Training will include the use of chromebooks and laptops in the classroom to positively affect teacher instruction and the use of technology in the home environment.
● Teacher training will be rolled out in multiple phases throughout the academic year (initial and follow up). This will include training on refining the use of current software and hardware to meet student needs and the requirements of common core standards.

Goal: By May 2018, 90% of students within the Lafayette School District will demonstrate mastery of National Educational Technology Standards (NETS) at their appropriate grade level.
Objective: All students will receive a copy of the NETS. (Primary, K-2, will receive "student-friendly" NETS standards.)
Objective: Students demonstrate NETS proficiency.
Objective: Upper grade students operate technology without assistance from teaching staff.
Strategy:
● Identify or develop appropriate age/grade level activities to ensure accomplishment of objectives.
● Review of assessment data to determine trends, strengths, and needs.
● Facilitate students' successful completion of activities and mastery of objectives.
● Conduct yearly user/staff surveys to identify strengths and weaknesses of implementation.
● Assess need for additional professional development, hardware or software.
● Identify software and Internet resources to be used.
● Purchase needed software.
● Identify and schedule needed professional development.
● Develop plan for acquiring hardware needed to achieve student performance targets.

Goal: Promote ethical use of technology in the classroom by students and staff.

Objective: Implement and refine structured lessons that cover the ethical use of technology in the classroom.

Objective: Distribute curriculum (lessons) to teachers.

Objective: Incorporate training on these issues as part of district staff development dealing with technology.

Objective: Implement and refine the district acceptable use policy. Policy is included in the HR Resource booklet and the student handbook.

Strategy

- Review and refine structured lessons on ethical use of technology for students.
- Present information to staff a minimum of one time per year about ethical use of technology and their responsibility to monitor their children/students' use of technology.
- Facilitate students' successful completion of curriculum and technology activities and mastery of objectives.
- Conduct yearly user/staff surveys to identify strengths and weaknesses of implementation.
- Assess need for additional professional development.

Goal: Promote Internet safety in the classroom by students and staff.

Objective: Implement structured lessons that deal with Internet safety in the classroom.

Objective: Distribute lessons to teachers.

Objective: Incorporate training on these issues as part of district staff development dealing with technology.

Objective: Implement and refine the district acceptable use policy. Policy is included in the HR Resource booklet and the student handbook.

Strategy

- Review and refine structured lessons on ethical use of technology for students.
- Present information to staff a minimum of 1 time per year about ethical use of technology and their responsibility to monitor their children/students' use of technology.
- Facilitate students' successful completion of curriculum and technology activities and mastery of objectives.
- Conduct yearly user/staff surveys to identify strengths and weaknesses of implementation.
- Assess need for additional professional development.

Goal: Students will attain the educational technology and information literacy skills that will support an educational learning environment in which they will have rigorous access to the Florida State Standards and Next Generation Sunshine State Standards and will demonstrate mastery through administration of on-line formative, performance based, and summative assessments leading to successful preparation and measurement of college and career readiness standards required of the workplace of the 21st century.

Objective: Students will work with various technologies to develop a familiarity with problem solving

Objective: The infusion of technology will be included in all curriculum guides per the Florida State Standards and Next Generation Sunshine State Standards.

Objective: Students will be actively involved in their learning goals.

Objectives: Students will have equitable access to technology hardware and software.

Strategy/Activity

- The infusion of technology in all curriculum guides to make classroom instruction more student centered and give students more responsibility for their learning
- Implementation of blended learning environments as appropriate throughout the district
- Implementation of online student learning environments
- Plan and budget for new and replacement hardware and software
- Student participation in extended learning opportunities/programs
- Equitable and accessible hardware and software technologies purchases

Goal: Educators will attain the skills and knowledge necessary to effectively use educational technology to create more rigorous learning environments to assist students to master the Florida Standards and Next Generation Sunshine State Standards by personalizing learning through the collection of student data to support differentiated instruction and to manage the on-line assessment environments.

Objective: Classroom instruction models will be designed to support the rigorous expectations of the new learning and assessment environment to support student readiness for the types of questions and performance based activities found on the state assessments.

Objective: District personnel will make use of available tools to best utilize data to drive instruction and make decisions.

Objective: District personnel will have access to up to date hardware and software appropriate for discipline and working environment.

Strategy/Activity
- Personnel participation in local, state, national and global online professional learning communities
- Use of formative and summative assessments to individualize instruction
- District professional development on state assessments including security
- Plan and budget for research based hardware and software
- District professional development on effective educational technology usage, UDL, the use of rubrics, student choice, authentic and relevant student centered project based learning
- Online access to curriculum
- Current broadband, voice, and data networks available in all learning/working environments
- District access to online research-based resources
- Timely access to technical support
- Creation of District Professional Development Plan
- Continued adaptions to curriculum for students with IEP's using assistive technologies (including training)

Goal: The school district will increase parental involvement in the educational process through the use of the district's available technology.

Objective: Parents will receive access and an understanding of the district's SIS System

Objective: Parents will be informed of all district events.

Objective: Educators will have access to tools to communicate with parents.

Strategy/Activity
- Placement of parent portal on district's website
- Availability of parent portal tutorials
- Notifications of district events on district website and through online/phone notification system

- Use of district/schools websites to inform community of schools happenings
- Parent access to student reports
- Implementation of district email services and Web 2.0 tools

Goal: All stakeholders will use district technology in a safe, responsible and ethical manner.
Objective: The district will take Internet safety measures at all times.
Objective: The district will teach responsible use of digital content regularly.
Strategy/Activity
- All stakeholders will sign the district's Acceptable Use Policy
- Uninterrupted district filtering methods
- Regular Internet Safety Learning opportunities for all stakeholders
- Identification of Internet Safety resources for stakeholders

Goal: Students will attain the educational technology and information literacy skills that will assist them in achieving the Florida Standards and Next Generation Sunshine State Standards to succeed in the workplace of the 21st century.
Objective: The district will provide high-speed access to the Internet and expand opportunities for student and staff access for distance learning, communication, and research-based activities.
Objective: The district will ensure curriculum supports technology literacy (word processing, database, spreadsheets and presentation software) as essential integration to curriculum for all students.
Objective: The district will ensure curriculum supports 21st century workplace readiness skills and prepares our students to meet the needs of a global society and become life-long learners.
Objective: The district will investigate and implement digital textbooks and eBooks as required by s. 1006.40 (3) F.S.
Objective: The district will implement online course management systems to allow students ready access to course materials and provide opportunities for online learning.
Objective: The district will encourage the development of new teaching and learning strategies which include the use of Web 2.0 tools as well as tablets, portable computing devices, and mobile computing environments to address the needs of all learners, with heightened awareness of the needs of special needs and English language learners.
Objective: The district will implement Florida Standards to prepare students for college and 21st century careers.

Goal: Educators will attain the skills and knowledge necessary to effectively use educational technology to assist students to achieve the Florida Standards and Next Generation Sunshine State Standards.
Objective: The district will provide application-specific staff development training for key technology personnel, increase training opportunities for technical staff, and networking to meet our district's growing and evolving needs.
Objective: The district will utilize site-based, professional learning communities to provide professional development training which is customized for the needs of their specific school.
Objective: The district will provide content-specific training through after school workshops, site-based workshops, and "anytime, anywhere" online training (such as webinars, training videos, etc.) which support use of district software.
Objective: The district will implement orientation/training programs for staff specifically designed to provide support for online testing.

Objective: The district will encourage district administration to participate in technology-specific professional development programs which support the implementation of 21st Century learning environments.

Objective: The district will provide direction and support for school-based Professional Learning Communities as a forum for collegial learning and sharing.

Objective: The district will provide continuing and sustained professional development activities through the district and by approved professional development providers to support continuing, effective and relevant staff development programs.

Objective: The district will encourage that Professional Improvement Plans for all staff members include the individualized development of skills necessary to infuse technology into daily practices.

Objective: The district will ensure staff members instruct students in the use of safe and ethical computer/Internet usage through professional development training on same.

Infrastructure

Goal: The district will establish and maintain the technology infrastructure necessary for students and educators to access electronic information and to communicate freely via technology.

Objective: The district will support and maintain LANs/WAN for both hardware and software.

Objective: The district will increase bandwidth to support mobile computing initiatives to assure all users "stay connected."

Objective: The district will support "managed wireless" access at all school locations.

Objective: The district will purchase and deploy multimedia computers, tablets, laptops, and peripheral devices for staff/student use.

Objective: The district will provide Internet access for staff/student use.

Objective: The district will implement technology-related security upgrades which support a more secure learning environment for staff, students, and community members using our facilities (cameras, swipe card entry, etc.)

Objective: The district will offer professional development training on technology tools: LCD projectors, tablet devices, and other peripherals to all staff members.

Goal: A technology infrastructure will be established and maintained to support the district's instructional and administrative goals.

Objective: District locations will have appropriate hardware/software to support district learning and administrative goals.

Strategy/Activity

- Installation and maintenance of fiber throughout the district
- High speed connectivity that supports instructional and administrative needs
- Stakeholders' access to technical Support via an Online Tech Request System
- Updated security, back up, and disaster recovery plans
- Continued IT training for Supervisor of Technology, Network Administrator and IT team

- Evaluate, plan, and budget for new and replacement infrastructure and learning hardware and software

- Maintain current district hardware and software licenses
- Maintenance of appropriate memory/capacity of district hardware/software
- Increase the use of Cloud Computing as appropriate
- Support Blended Learning Environments will be supported by IT as appropriate

Goal: Students, teachers and administrators will have access to educational technology in the learning environments.

Objective: The district will add and/or replace computer hardware in all buildings to provide easy access for all users.

Objective: The district will expand hardware deployment to include not only multimedia computers with Internet access in classrooms but also tablet devices, laptops, etc., in order to meet the demands of online testing.

Objective: The district will upgrade operating systems and/or replace devices that do not meet minimum operating specifications as recommended by FSA.

Objective: The district will support and expand LANs/WAN.

Objective: The district will evolve and expand "Bring Your Own Device" at secondary level.

Objective: The district will maintain a hardware/software inventory that is easily accessible and up to date.

Objective: The district will introduce varied platforms—Windows-based, Mac-based, Android-based—as needs are identified to support an ever-evolving, technology-rich environment.

Objective: The district will support policies for student/staff computer and Internet use.

Objective: The district will maintain records regarding student notification and permissions regarding the use of student's personal information on school-based Websites.

Objective: The district will provide resources for students, parents and staff regarding web-based information, such as acceptable websites, community/school websites and/or websites that enhance or support curriculum goals.

Objective: The district will support web-based tutorial and learning programs, which provide necessary assessment, challenge, and remediation opportunities for all students regardless of ability.

Objective: The district will investigate grant opportunities available to fund programs, which provide additional, school supported "off-hour" access to our district's technology to increase family/municipal/community involvement and increase student achievement.

Objective: The district will support and expand our district website to include more involvement by individual schools and teachers to provide more informational items, such as daily homework, projects, and long-term assignments.

STEP 3 – Strategy Setting: (See Goals Above)

We know that simply adding technology to a learning environment does not ensure that it will be integrated effectively. We believe that the use of technology in the curriculum should support higher-level learning, problem solving and critical thinking skills and directly support the student's mastery of Florida Standards and NGSS standards across all content areas. Lafayette County School District uses Performance Matters as a data management/reporting system for the classroom, the reporting functions of other software programs used in the district, and the district's data warehouse where teachers and principals can access and generate additional reports.

Lafayette County School District will continue to raise the level of technology integration in the student learning experience for all students. Using educational technology tools will become a regular component of how students and teachers work on core curriculum learning. We want to see a measurable impact of technology on student achievement. Students should become better readers, writers and mathematicians because of their interaction with classroom technology. Teachers will use technology tools to assist them in making targeted instructional decisions for their students. The evaluation that was conducted as part of our technology planning effort has assisted us in identifying several areas of focus that will serve as the cornerstone of the technology plan for the district. This plan will address how the district's technology effort will continue to support the curricular needs of students over the next five years – encompassing the 2014-2015 school year through the 2018-2019 school years.

Planning for high performance learning begins by focusing on student learning. Florida Standards must be aligned with student technology standards. The Lafayette County School District Technology Plan supports the district's curriculum goals.

A) Student Performance Outcomes

Student Performance Outcomes		Baseline	Target
1.	ELA Student Achievement	50%	79%
2.	Math Student Achievement	67%	78%
3.	Science Student Achievement	54%	59%
4.	Increase Adoption Level (TIM) by 10%	25%	35%
5.	Increase Percentage of Digital Student Learners	-	100%

B) Digital Learning and Technology Infrastructure

Infrastructure Implementation					
	Deliverable	Estimated Completion Date	Estimated Cost	School/ District	Outcome from Section A)
B.1.	Purchase and implement chromebooks for ESE	2015	$10,000	Elementary Middle/High	1
B.2.	Purchase and implement chromebooks and carts for early adopters*	2015	$18,000	Middle/High	4
B.3.	Twenty percent of Category II network infrastructure upgrades utilizing ERate funds	2016	$30,000	Elementary Middle/High	1,2,3,4
B.4.	Purchase and implement chromebooks and carts for classrooms	2015	$40,288	Middle/High	1,2,3
B.5.	Purchase additional computers, audiovisual presentation system, and computer tables for teacher training lab	2015	$10,000	District	1,2,3
B.6.	Teacher computers	2015	$12,000	Elementary	4
B.7.	Purchase audiovisual peripherals that will support technology integration in the classroom	2015	$15,062	Elementary Middle/High	1,2,3
B.8.	Purchase student devices for Kindergarten-2nd grade classrooms	2015	$37,500	Elementary	1
B.9.	Purchase student devices for 3rd-5th grade classrooms	2015	$23,751	Elementary	1,2,3
B.10.	Purchase student devices for Elementary lab	2015	$6,875	Elementary	1,2,3

Brief description of other activities	Other funding source
	ERate
*B.2. A portion of the purchase charged to Textbook funds	Textbook Fund

Evaluation and Success Criteria for B) Digital Learning and Technology Infrastructure:

Infrastructure Evaluation and Success Criteria		
Deliverable (from above)	Monitoring and Evaluation and Process(es)	Success Criteria
B.1. Purchase and implement chromebooks for ESE	Purchase Order and delivery of equipment	Implementation of Chromebooks in ESE classrooms
B.2. Purchase and implement chromebooks and carts for early adopters*	Purchase Order and delivery of equipment	Implementation of Chromebooks and carts in English and Math classrooms
B.3. Twenty percent of Category II network infrastructure upgrades utilizing ERate funds	ERate application and forms	Implementation of network infrastructure upgrades
B.4. Purchase and implement chromebooks and carts for classrooms	Purchase Order and delivery of equipment	Implementation of Chromebooks and carts in additional classrooms
B.5. Purchase additional computers, audiovisual presentation system, and computer tables for teacher training lab	Purchase Order and delivery of equipment	Implementation of a training lab
B.6. Teacher computers	Purchase Order and delivery of equipment	Deployment of computers for teachers
B.7. Purchase audiovisual peripherals that will support technology integration in the classroom	Purchase Order and delivery of equipment	Implementation of Audiovisual Peripherals that will support technology integration in the classroom
B.8. Purchase student devices for Kindergarten-2nd grade classrooms	Purchase Order and delivery of equipment	Deployment of Student Devices for Kindergarten-2nd grade classrooms
B.9. Purchase student devices for 3rd-5th grade classrooms	Purchase Order and delivery of equipment	Deployment of Student Devices for 3rd-5th grade classrooms
B.10. Purchase student devices for Elementary lab	Purchase Order and delivery of equipment	Implementation of an Elementary Computer Lab

See Appendix A for the independent third party results.

As a member district, Lafayette County is part of the NEFEC Master Inservice Program. The program provides the following services:

  *   Conducts an annual survey to determine current inservice and professional development component needs
  *   Serves as a conduit for information from Florida Department of Education regarding requested and/or mandated changes to components included in the MIP, makes the changes, and works with the districts to implement the new rules
  *   Develops, modifies, and deletes components upon request by districts and/or FLDOE
  *   Updates the MIP annually and provides electronic and print copies to member districts

Master Inservice Plan components can be located at
http://www.nefec.org/document1163/download

Professional Development Implementation					
	Deliverable	Estimated Completion Date	Estimated Cost	School/ District	Outcome (from Section A)
C.1.	Fifty percent of Technology Coach's salary to support adoption of technology into the classroom	2015	$25,770.56	District	1,2,3,4
C.2.	Five teachers to participate in statewide technology conference	2015	$5,000	District	4
C.3.	Thirty middle/high school teachers to participate in professional development to integrate technology in the classroom aligned with MIP (including substitute pay)	2015	$2,000	Middle/High	4
C.4.	Thirty elementary school teachers to participate in professional development to integrate technology in the classroom aligned with MIP (including substitute pay)	2015	$2,000	Elementary	4

Brief description of other activities	Other funding source
Professional Development offered through Race to the Top Grant	$75,000 Race to the Top Grant

Evaluation and Success Criteria for C) Professional Development:

Professional Development Evaluation and Success Criteria		
Deliverable (from above)	Monitoring and Evaluation and Process(es)	Success Criteria
C.1.Fifty percent of Technology Coach's salary to support adoption of technology into the classroom	Instructional Technologist schedule	Fifty percent of the Instructional Technologist's time will be spent in support of technology integration in the classroom
C.2.Five staff members to participate in statewide technology conference	Registration and agenda of activities	Completion of Statewide Technology Conference
C.3.Thirty middle/high school teachers to participate in professional development to integrate technology in the classroom aligned with MIP (including substitute pay)	Roster and agenda	Completion and awarding of Master Inservice Points
C.4.Thirty elementary school teachers to participate in professional development to integrate technology in the classroom aligned with MIP (including substitute pay)	Roster and agenda	Completion and awarding of Master Inservice Points

D) Digital Tools

Lafayette County School District will maintain a digital tools system intended to support and assist district and school instructional personnel and staff in the management, assessment and monitoring of student learning and performance. These digital tools will also support CAPE objectives.

Digital Tools Implementation					
	Deliverable	Estimated Completion Date	Estimated Cost	School/ District	Outcome (from Section A)
D.1.	Microsoft Office-Word, Excel, Powerpoint-CAPE	2016	$6,000	Middle/High	5
D.2.	Purchase and integrate Microsoft Office into the business classrooms/labs as a digital tool	2015	$3,000	Middle/High	5
D.3.	Purchase additional student devices for assessment	2015	$11,000	Middle/High	1,2,3

Brief description of other activities	Other funding source
Utilization of Google Docs and Edgenuity	RTTT
Purchase and integrate Adobe software into the business classroom as a digital tool	Perkins
Adobe Certiport/Certiprep CAPE Certification	Perkins

Evaluation and Success Criteria for D) Digital Tools:

Digital Tools Evaluation and Success Criteria		
Deliverable (from above)	Monitoring and Evaluation and Process(es)	Success Criteria
D.1. Microsoft Office-Word, Excel, Powerpoint-CAPE	To provide curriculum and practice tests for student preparation	Successful attainment of industry certification
D.2. Purchase and integrate Microsoft Office into the business classrooms/labs as a digital tool	To provide a curriculum tool to assist the student with certification preparation and career readiness	Implementation of Microsoft Office into the business classroom/lab
D.3. Purchase additional student devices for assessment	To provide a curriculum tool to assist the student with certification preparation and career readiness	Implementation of student devices for assessment

Online Assessment Implementation

	Deliverable	Estimated Completion Date	Estimated Cost	School/ District	Outcome from Section A)
E.1.	Twenty percent of district bandwidth to meet state guidelines	2015	$1300	District	1,2,3

Brief description of other activities	Other funding source
	ERate Funds

Evaluation and Success Criteria for E) Online Assessments:

Online Assessment Evaluation and Success Criteria

Deliverable (from above)	Monitoring and Evaluation and Process(es)	Success Criteria
E.1. Twenty percent of district bandwidth to meet state guidelines	Implement and speed test bandwidth	80-95% delivered bandwidth