Technology Plan
Jackson Independent School District
Jackson, Kentucky

http://www.jacksonind.kyschools.us

Creation Date: January 6, 2015
Plan Start Date: July 1, 2015
Plan Expiration Date: June 30, 2018

Acknowledgments

District Technology Staff

Charles Coots – Chief Information Officer/District Technology Coordinator/Innovation Coordinator

School Library Media Specialist:

Sarah Trent – Library Media Specialist

Additional District Contributors

Kyle Lively – Superintendent

James Yount - Principal

Stacy Linn – DPP, PD Coordinator, Instructional Supervisor

Sandra Manns – District Finance Officer

Virginia Roberts – Assistant to Superintendent

Melissa Henson Little – Gearup Academic Specialist

Diane Little -

Other

Jackson Independent Board of Education

Jackson Independent SBDM Council

Chet Sygiel – Student Advisor

Cheri Arrowood – Elementary Teacher

Jessica Bowling – High School Teacher

Amy Hollan – Elementary Teacher

Christa Collins – Special Needs Coordinator

John Couch – Special Needs/Middle School Teacher/ Athletic Director

School Technology Coordinators [

Charles Coots

Technology Integration Specialist

Charles Coots

Students

Noah Cornett

Sheyenne Trent

Table of Contents

Executive Summary

Serving nearly 380 P-12 students, our district realizes the instructional potential of technology. We strive to maintain and further develop an environment in which students demonstrate proficiency in all content areas as students and teachers employ a wide variety of technology to support problem solving, communication, collaboration, productivity and creativity. In addition, we plan to further improve home and community relations through expansion of our district & school web site, and use adequate telecommunication services (telephone –local and long distance & paging) to maintain effective internal communication between staff, as well with external stakeholders, including parents, guardians, community members, state officials, vendors, etc.

This technology plan documents our goals and objectives for upcoming school year to ensure the success of all our students that we service. During the year our SBDM (School Based Decision Making) Council along with our Board of Education will be make adjustments to enhance the achievement of our students.

School Mission Statement:

The Jackson Independent School District assures exemplary schooling in a nurturing, secure environment with the academic and personal well being of our students at the heart of all we do.

Technology Mission Statement:

To empower all learners to reach their full potential, the Jackson Independent School District technology mission will incorporate technology into the educational program to provide the following: An environment that promotes Life-Long Learning, Problem-solving

skills, Career Preparedness/Adaptability, & Technological Literacy; and Information

Management Skills that include: Accessing – Applying, Storing/Retrieving – Evaluating,

Processing – Presenting Effective communication with technological tools: E-Mail, Video

Conferencing, Video Telecommunications

Planning Process and Methodology

In this section include a description of the following:
1) The technology planning and plan-writing process.
2) The exercises undertaken to accomplish the task of revising the plan and the role that committee members, as whole, play in that process.
3) The frequency with which the plan is evaluated.
4) Person(s) responsible for reviewing and revising the plan.

Also Include a discussion of the "expiring" (previous year's) plan in terms of:
1) Which goals were met
2) Which goals were not met and/or had unanticipated outcomes.
3) Goals that remain to be accomplished
4) Goals that are no longer relevant
5) Needs that emerged as a result evaluation of the previous plan.

The Jackson Independent Technology Committee consist of teachers, parents, the principal, and superintendent who work throughout the year to review, revise and redevelop the goals, action components and activities in the District Technology Plan. To identify the specific needs that need to be address each year, the technology committee reviews a variety of resources. These resources include but are not limited to the following:

- Student Assessment Data

- Technology network status reports

- District technology inventory

- Proxy reports

- School and district staff reports

- ILP information

- Surveys

- Technology Tools Readiness Surveys

- Records of technology use in classrooms across the district

Using this information, they derive a District Technology Plan. The CIO then takes the plan to the Superintendent and Finance Officer to discuss the budget for the plan. Once a budget is drafted, the plan is then given back to the Jackson Independent Technology Committee to review and approve. The plan is then is presented to both the School Based Decision Making Council and the Board of Education for review and approval. The plan will be revised throughout the year to address the line items and the budget to ensure if it is completed. At the end of the school year the plan is then evaluated to see if it has made an impact on student achievement

Current Technology and Resources

Technical professional development is maintained thru vendor training, state provided seminars, KTLC and isolated professional course work. All schools and admin facilities are connected to the central computing solution via managed gigabit fiber lines. The KEN 35 MB connectivity to KDE has been installed. We continue to evaluate our network to maximize the bandwidth usage. District wide trainings are provided on a regular basis in the following areas: CIITS, SAS Curriculum, Online Testing, Geometer Sketchpad, Logger Pro, ILife Suite Tools, Smart Tools, SIS (Infinite Campus) system, Web Design, Video Production, E-MAIL, Office suite of products, On demand training is provided by CIO/DTC as requested by any instructional or staff member. School specific trainings are set up and approved by SBDM Council and school principals as part of staff development days throughout the calendar year.

What Works:

The district training lab is a valuable resource in bringing teachers and administrators together in one centralized location for various training for the effective use of technology and software training. Individualized, on demand training provided by CIO is available for those interested in improving their skills has been an effective instructional process.

In Addition, the training lab is currently being using by students throughout the day as an online learning center for student taking advanced and college level courses online. Morehead State University, Hazard Community and Technical College, and APEX Online Courses are being offered to students to help enrich their learning experience.

Needs:

One of the major components that our district needs to focus on is the integration of technology into the classroom and how to maximize it to enhance student achievement. Several things need to be done to ensure that this is done. We need to know where we stand with our staff and our students. First we need to analyze our staff to see what their technological needs are and build our professional development activities around the need. Second we need to continue assessing our students to see their state of proficiency based on technical skills. Once we know our proficiency levels with our staff and students then we need to build on our curriculum. To ensure that our students meet the national technology standards of proficiency by eighth grade, the Jackson Independent District will need to integrate the technology standards for students in the program of studies into our curriculum for grades K-12.

In addition, the wireless infrastructure needs to be upgraded to handle a growing demand of wireless devices that are being placed on the network. Upgrading the current system from wireless A/B to wireless AC comparison chart:

- 802.11ac is 20 times faster than wireless 802.11a, which we currently have.
- Fewer Dead Spots – Increased Signal Range

- Ideal for Media Streaming
- Increased Bandwidth for Mobile Devices
- Backwards Compatible with 802.11a and n at 5 GHz Ban
- Increased Number of Users per AP
- Enhanced management system
- See chart below

Wireless Technology Comparison Chart

Wireless Standard	802.11b		802.11a		802.11g		802.11n		802.11ac	
Popularity	+++	Widely adopted, readily available everywhere	+	Limited adoption	++	Medium adoption, replaced b as commonplace	++	Many products, some based on a draft specification, later finalized Oct, 2009	+	Draft, only a few manufactures have chips based on draft specification
Speed (theoretical)	11Mbps	Up to 11Mbps	54Mbps	Up to 54Mbps	54Mbps	Up to 54Mbps	300Mbps	Up to 300Mbps	1Gbps	Up to 1000Mbps, theoretically
Relative Cost	$	Inexpensive	$$$	Expensive	$$	Moderate	$$	Moderate	$$$	Expensive
Frequency	2.4Ghz	Crowded 2.4GHz band, may conflict with other 2.4GHz devices like cordless phones, microwave ovens, etc.	5Ghz	5GHz band only	2.4Ghz	Crowded 2.4GHz band, may conflict with other 2.4GHz devices like cordless phones, microwave ovens, etc	5Ghz and/or 2.4Ghz	Only some devices support 5Ghz or include dual-band radios	5Ghz	5GHz band only
Range	100-150ft	Good Range, typically up to 100-150 feet indoors, depending on construction, building materials, room layout	25-75ft	Limited range, typically no more than 25 to 75 feet indoors	100-150ft	Good Range, typically up to 100-150 feet indoors, depending on construction, building materials, room layout	~230ft	Promises great range, but varies depending on indoor objects and nearby devices using the same frequency	?ft	No real-world test data at this time
Public Access	+++	Public "Hot Spots" growing rapidly, allowing WiFi access in airports, hotels, college campuses, restaurants, etc.	X	None at this time	++	Compatible with current 802.11b "Hot Spots" which may convert to 802.11g Realize ISP may not be providing access anywhere near 54Mbps	+	Very limited, more likely that your n device is associating to b/g AP at 2.4Ghz	X	None at this time
Compatibility	OK 802.11b	Widest adoption	OK 802.11a	Incompatible with 802.11b or 802.11g	OK 802.11b 802.11g	Interoperates with 802.11b networks (at 11Mbps) incompatible with 802.11a unless supported by certain dual-radio APs	OK 802.11b 802.11g 802.11a	Interoperates with b/g/a, small performance hit when mixed-mode is enabled and legacy devices are associated	OK 802.11a 802.11n	Interoperates with a/n APs (only when n is a dual-band 5Ghz radio)

Jackson Independent Technology

- The District and School Networking devices are connected either through our wired or wireless network system. Currently we have 10/100/1000 network switches, which provide wired connect for PCs, Macs and the VOIP phone network. We also have in place a wireless a/b system that provides network connections for our wireless devices.   Current systems are not at the level to provide a 1 to 1 infrastructure that will support our growing network needs.

- Fiber Connection between schools – 100% . Currently connection between district hub and school hub is 1 GB. We have currently upgraded the wiring between these hubs to support 10GB once wireless network switches are upgraded.

- Network Drops in Rooms- Current network CAT 5 drops are now 20 years old and need of replacement with current CAT6E wiring. In addition, we need to add additional network drops in each classroom and to support new APs.

- Additional Power needs to be provided to the school to handle all the technologies that the school now supports and future needs

- All Network Switches were purchased in 2009-2010 school year, and are currently in need to be upgraded to the latest model to maximize our network

- Wireless Network Security Switch was also purchased in the 2009-2010 school year. It provides   network connections on the 802.11 a or 802.11b. The main issue is that we don't have enough devices to cover the total area of the campus and we need to upgrade to 802.11ac to maintain faster and strong data streams for our staff and students.

- The district uses a VOIP phone system which was installed in the 2009-2010 school year. All teachers and staff have access to a phone system in their room and there are 6 wireless handsets that use the wireless network.   Currently we have lost several handsets that need to be replaced. Also there is no current warranty on the phone system.

- There are 8 Mac Servers: 7 mini-mac servers & 1 Mac Pro servers. The Mac Pro and 1 of the mini- mac servers server Dataseam and are used mainly to help provide research through a grid for the University of Louisville. The other 5 mini-mac servers are used for Imaging, File Storage, and Webserver. 4 mini-mac servers were purchased in 2009-2010 and the 1 Mini-Mac (Dataseam) 2010- 2011. The 2 Mac Pros: 1 in 2008-2009 and 1 in 2010-2011.   The last 2 servers were purchased 2014/2015 to replace current servers that have had failing hard-drives.

- There are 7 Windows servers: 5 are Windows 2008 servers and the other 2 are Windows 2003. The Windows 2003 servers are used for Food Service Lunch Box server and the other is file storage. This server is in major need of replacement. Both are now 10 years old. One of the Windows 2008 servers was purchased in 2009-2010 and used as the AD server and VOIP Phone Management server. The other Windows 2008 server is the TMG Server (Proxy), which was purchased at the end of the 2010-11 School year.   Currently, the state has provided us with 3 servers that were decommissioned for the KEN upgrade project that can be used to upgrade some existing servers: Food service and create a Radius Server.

- There are 337 instructional devices on our network. Of this amount given: 279 are student's machines, 23 are teacher machines, and administrators in the district use the remaining 35. Of the 337 devices: 23 are PCs and 314 are IMacs. There are 12 laptops that are used by staff.

- Currently we are supporting around 25 IPad that the school personally owns. There are over 128 personally own devices based on the Technology Readiness Survey that staff and students own that can attach to our network after signing a wireless. With the cost of devices dropping, the number of devices will continue to grow and cause issues with the wireless network. Also, with so many IOS devices (IPads) we will need to look at method to address access to APPs over the proxy.

- In over 75% of the classroom you will find more than 8 Computers per room. There are 3 rooms in which there are 18 or more Computers in the room.

- The ratio of student instructional devices is 1.29

- NxGN Classroom

  - MondoPads (2)
  - Q-Tablets (2)
  - Wireless Carts per room
    o Currently 1 cart with 20 iPad minis
    o In process of ordering additional carts to house (50 additional iPad minis)

- Innovation Teacher Grants (2014-2015):

  - Teachers involved in the grant apply for technology items to enhance their classrooms.

- Smart Devices:

  • 4 mobile smart boards, which are 10 years old. One is down due to cable being pulled out by student.

  • 15 Wireless slates – Additional training needed. Main issues are abilities to write on them and connection problems.   Teachers are currently not using due to difficulty with connection and ease of access

- Projectors

  • 17 Epson Projects 83+, Projectors are now 5 year old or older and bulbs are currently failing.
  • 17 document cameras
  • Main issues is that the devices would be better if they were mounted. In addition the document cameras can't connect to computers.

- Software:
  o Microsoft Office: Word, Excel, PowerPoint
  o Windows XP, Windows Vista, Windows 7, Windows Server 2003, Windows Server 2008
  o Remote Desktop Management (Mac)
  o Snow Leopard/Tiger/Mountain Lion/Yosemite (Mac OS)
  o McAfee Virus Protection
  o Geometer Sketchpad v.4.0
  o Logger Pro   3.0
  o ILife Suite: IPhoto, IWeb, IMovie, Garage Band
  o Pages, Numbers, Keynote
  o Online:
    ▪ Carnage Learning – This is a yearly subscription which costs the district to maintain
    ▪ Hawkes Learning – Morehead Online Courses

- Apex Online
- Web Assign
- Study Island
- NWEA Map
- Virtual High School Courses offered.
  - Morehead State University
  - Hazard Community and Technical College

Jackson Independent Technology Staff:

- Technical Staff is IMac certified and continues to update certifications. Staff also completes additional trainings in all related technical areas that affect student achievement. Probably the biggest area of training needs to be network management to ensure that the network is functioning at maximum.

Curriculum and Instructional Integration Goals

Goal 1

Select and apply research-based practices for integrating technology into instruction

Action Plan: Projects/Activities

Jackson Independent School District will research based practices for integrating technologies into instruction.	Administration and teachers who are part of the ARI initiative will seek out new instructional methods and share experiences and results.	Lesson Plans Walkthroughs Teacher Evaluations	08/14 – 06/18	ARI Leadership Team JCS Teachers Principal Superintendent Innovation Coordinator	$0
Jackson Independent School District High School Math department will use research-based programs in Mathematics to enhance student achievement.	Student's mathematical skills will be strength through the use of an integrated research based algebraic system.	Lesson Plans Walkthroughs Teacher Evaluations	08/14 – 06/18	ARI Leadership Team Principal JCS Teachers Innovation Coordinator Superintendent WinMa+H Teachers	$1,080.00
Jackson Independent will	School will have a new curriculum in	Curriculum (Updated) Meeting	08/14 – 06/18	Superintendent Instructional	$0

revise the current curriculum to ensure that the Common Core Standards, ACT standards and Technological Standard are integrated.	which will reflect the integration of technology, common core and ACT standards that will enhance student achievement to prepare them to be college ready.	Sign-in Sheets		Supervisor Principal Teachers	

Goal 2

Assess student's learning/instructional needs to identify the appropriate technology for instruction

Action Plan: Strategies/Activities

Jackson Independent School District will offer dual enrollment in postsecondary, Commonwealth Diploma, AP Coursework via online programs through Hazard Community College, Morehead State University, and Apex	Students will have the opportunity to experience a variety of courses that cannot be offered in a small district.	Course Listing for current students	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC	$15,717.15
Students enrolling into High School will demonstrate basic technology skills to succeed in higher education and the workplace by the time they graduate.	Improved transition to higher education/workforce will be ensured by additional technology requirements/ graduation.	Lesson Plans Walkthroughs Teacher Evaluations	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC	$0

Teachers will use online assessments to collect data to identify areas of need. (Ciits, Study Island, NWEA Map)	Teachers will use online assessments to promote success in their classroom.	Sign-in Teacher Created online T ests Lesson Plans	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC	$500

Curriculum and Instructional Integration Goals – Evaluation

To ensure that all students have the same opportunities as they do in larger school districts. Jackson Independent will use the KY Virtual High School and the local community college to provide additional opportunities to learn advanced concepts, which might not be available.

By providing student the opportunities at an early level to use technology this will help students to build a strong foundation in which they will be able to continue to build upon and make them 21st Century digital literate and college ready. Activities such as Blogs, interactive websites, and video conferencing provide students additional means in which they will grow.

The district is in the process of revising their curriculum k-12 with both the new Common Core Standards, ACT Standards, and Technology Standards.

Teachers certified evaluations and classroom walkthroughs will monitor technology integration into the curriculum and instruction. Teachers and staff will increase the emphasis in the use of the CIITS Website that will provide a wealth of resources to enhance our teachers and staff to become more effective leaders in our district and schoolStudent Technology Literacy Goals

Link to the Kentucky Core Academic Standards:
http://education.ky.gov/curriculum/docs/Pages/Kentucky-Core-Academic-Standards---NEW.aspx

Student Technology Literacy Goals

Goal 1

To design and develop digital-age 21st century learning experiences and assessments to increase student engagement and achievement

Action Plan: Strategies/Activities

A1. Online assessment tools will be used to assess students in grades 8th, 9th and 12th to measure proficiency.	Students ACT and EOC scores will increase by 10%.	Online Assessment Tool	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC	$0
A2. Acquire technology that will be used to implement a one-to-one environment for student learning.	Increased student performance, technology literacy, and higher test scores will result from a more dynamic learning environment for students.	Observed during administrative walk-throughs	08/14 – 06/18	Superintendent DTC	$8000.00
A3. Acquire equipment for classrooms that will make them state of the art in	Increased student performance, technology literacy and higher test scores will result	Observed during administrative walk-throughs.	08/14 – 06/18	Superintendent DTC	$4200 $10000

regards to IT(Interactive Boards, Data Projectors, etc) Acquire intelligent classroom equipment for all classrooms.	from a more dynamic learning environment for students.	ARI site visits			
A4. Increase in video conferencing	Eliminate barriers and enables connection with experts in other geographical locations.	Lync Recordings Sign-In Sheets Mondopad Sessions	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers	$0
A5. Increase the number of course selections by acquiring or creating online courses	Provide alternative courses that students can take	Digital Courses Created by teachers. Student list taking courses Enrollment Costs	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC	$0

Goal 2

All students will learn about copyright and the appropriate and ethical use of information technology, internet safety, cyber bullying and online predators.

Action Plan: Strategies/Activities

All students who have a signed AUP on file will receive an Internet and Email account.	Students will learn responsible internet, e- mail usage. Student's access to technology will increase.	Student Sign in Sheets	08/14 – 06/18	DTC	$0

Goal 3

To master essential reading and math concepts through one-to-one individualized instruction (Computer software)

Action Plan: Strategies/Activities

Implement Carnegie Learning/Win-learning/Win-M@+h/Duel Create Online Courses	Through digital citizenship program students will be better understand the appropriate technology uses of technology in today's society.	Lesson Plans Walkthroughs Teacher Evaluations Purchase Log for Text	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC	$1080 (Shared Cost with another item)
Teachers will be trained to use 21st Century tools to implement 1 to 1 devices into their classrooms.	By becoming proficient in the devices, teachers will fill more confortable with using the technology in the classroom	Lesson Plans Walkthroughs Teacher Evaluations Sign-In Sheets	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers	$0
Teachers will be trained in how to integrate technology into their curriculum	By providing training for teachers to learn more about researched	Lesson Plans Walkthroughs Teacher Evaluations	08/14 – 06/18	Superintendent Instructional Supervisor Principal	$0

	methods of integrating technology into their classroom, students will be better prepared to meet their future needs.	Sign-In Sheets		DTC Teachers	

Student Technology Literacy Goals – Evaluation

Student technology literacy skills are looked at in several areas. Continuous progress in developing each student's ILP (Individual Learning Plan) by the use of Internet use and other technologies is ongoing. Research based activities are stressed where students use Internet and other technology sources.

8th and 12th grade students will be assessed on technology skills and terminology at the beginning of each school year to establish a baseline, at the middle and again at the end of the year to measure their progress.

Students are provided direct technology instruction at the middle grade levels. Within the middle school curriculum students are taught basic skills such as keyboarding, work processing, spreadsheet applications, multimedia development, as well as focusing on careers.

Technology Coordinator will work with staff and students to implement technology effectively and efficiently into all areas of instruction. One of the areas evaluated for certified staff is technology. Continuous walk-throughs, by district and school staff, also measure technology usage of staff and students.

Staff Training/Professional Development Goals

Goal 1

Provide training opportunities for staff to increase technology integration into classrooms.

Action Plan: Strategies/Activities

Teachers will receive training in new software and technologies during PD days and during planning periods. Trainings, such as: Office, INFINITE CAMPUS, Smart Board, Accelerated Reader & Math, Geometer's Sketchpad, digital projectors, IMacs, Ipads, MondoPads and etc...	Teachers will increase the integration of technology.	Sign in Sheet Lesson Plans Monitor Logs Online Surveys Walkthroughs Teacher Evaluations	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers	$4200
Technology Integration Professional Development will be included in the District PD. (Materials gathered from these PD will	By exposing individuals to technology trainings teachers will be exposed to a wide variety of technology being used by successful	Sign in Sheet Materials placed online for teacher access	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers	$0

be placed on the school website and Database)	programs across the state.			Innovation Coordinator	
Teachers will receive training on how to create a website for the purpose of sharing their own instructional strategies and resources via the web.(All Teachers, Principals & Administrators)	Teachers will communicate outcomes & expectations on the happenings in their classrooms.	Sign in Sheet Teacher Webpages Online Surveys	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$0
Teachers will receive training on how to implement digital tools, such as ICurio, WinMath, Apex, etc..	Teachers will have additional resources such as online videos, lesson plans, activities and online tools that they can use to enhance student achievement.	Sign In Sheets Lesson Plans Monitor Logs Online Surveys	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$0

Annual meeting with all employees to review and inform of and changes in the AUP—August—Opening PD Day.	All Staff & Faculty will be aware of AUP Standards.	Sign in Sheet Signed AUPs	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$0
Provide Training to JCS Staff in the Student Information System that will be used to collect data such as grades, attendance, scheduling, and other data.	Teachers and Staff will be able to use the new SIS to effective report student progress.	Travel Logs Sign-in Sheets SIS Logs	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$500 (Repeated Cost)
Innovation Coordinator will deliver a variety of small group, virtual and large group instruction. Additional follow-up meetings will be done in small group or one-on-one basis.	Teacher will receive instruction in a timely follow-up, and increased support for use of technology in the classroom.	Sign in Sheets	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$72000

Goal 2

Provide staff professional development opportunities through attending teaching and technology conferences and in-house training.

Action Plan: Strategies/Activities

Teachers will receive training on how to implement technology projects through DATASEAM	Teachers will benefit from receiving training from trainers who are experts in technology integration.	Online Surveys Walkthroughs Lesson Plans Teacher Evaluations Projects	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$4200 (Repeated Cost)
Teachers will receive technology trainings provided by the state and other local agencies. Such as ARI, KVEC, etc	Teachers will benefit from receiving training from trainers who are experts in technology integration.	Online Surveys Walkthroughs Lesson Plans	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$0
Annual review of the AUP to be approved in July Board meeting.	Evaluation process will reflect needed changes and yearly updates of AUP.	Board Minutes	08/14 – 06/18	Superintendent Board of Education DTC	$0

Staff Training/Professional Development Goals – Evaluation

Technology is monitored yearly by a review of the CSIP by each school's Site Based Council. Each school Site Base Council includes for assessment of test score data. The technology component of the certified evaluation process is reviewed with upcoming professional development plans. Technology and professional development are embedded and ongoing in each school CSIP.

All certified staff will assessed on technology skills and terminology at the beginning of each school year to establish a baseline, and again at the end of the year to measure their progress.

Technology Coordinator will provide monthly school wide trainings on current and new innovations in technology. PD sessions are also offered each summer. Topics are a combination of school requests and new innovations.

Technical staff attends monthly meetings to obtain updates on technology initiatives that will help drive student achievement. Technical Staff also will be trained in the latest operating systems for workstations and servers to ensure that the hardware is up to date and functioning 100%.

One of the areas evaluated for certified staff is technology. Continuous walk-throughs also measure technology usage of staff and students.

Technology Goals

Goal 1

Students will use technology tools and resources to find multiple sources of information and ideas, try different ways to solve a problem, test and evaluate possible solutions, develop models, find patterns, construct meaning through communication with peers and experts, make connections, demonstrate learning, and improve their ideas, products, and performances. Committed to a knowledge core, high thinking demand, and active use of knowledge in all content areas.

Action Plan: Strategies/Activities

Provide trainings to provide teachers with the knowledge on how to property integrate technology across the curriculum	Effective integrated uses of technology are embedded within the questions and tasks provided to students, as they make informed decisions, solve real problems, and demonstrate new learning that is achieved, within the context of a well defined core content.	Walk-through data currently shows a deficit in this area. Future walk-through data should show an increase in usage and effectiveness	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$0
Teachers will use various different assessments that allow students the opportunity to	Tasks and questions provided to students that are supported by integrated	Sample Student Assessments Lesson Plans Walk-	08/14 – 06/18	Superintendent Instructional Supervisor Principal	$0

select appropriate technology tools to produce products.	technology allow for student selection of what they judge as the most appropriate tool to demonstrate what they have learned	throughs Student products		DTC Teachers Innovation Coordinator	
Develop a structured process to enable students to utilize personally owned devices, in collaboration with districted owned devices, to move towards a one-to-one environment.	One-to-one technology availability	All classrooms should have multiple school owned devices to be utilized with student owned devices. Availability should be evident in all content areas	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$0

Goal 2

Teachers will participate in ongoing professional development to acquire instructional strategies necessary to facilitate learner-centered inquiry-based classrooms that Integrate the use of technology.

Action Plan: Strategies/Activities

Provide small group sessions and PD activities that focus on using best practices with integrating technology	Teachers will implement strategies that engage students through the use of technology	Lesson Plans Walk-throughs Sign-in Sheets	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$0
Provide training on CIITS Modules.	Teachers will use information from the Common 360 PD to help improve teaching effectiveness.	Sign-in Sheets Professional growth plans	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$500
Assess teachers and staff technology skills.	There is a steady increase in the number of teachers who regularly employ	Online Surveys Teacher PD Teacher Evaluations Online Assessment.:	08/14 – 06/18	Superintendent Instructional Supervisor Principal	$500

	instructional strategies proved to illustrate best practices in teaching with technology as an integrated element to support	Learning.com 21st Century Assessment		DTC Teachers Innovation Coordinator	

Goal 3

Teachers will use needs assessment, evaluation, and timely revisions to formulate the best plan to meet learning needs.

Action Plan: Strategies/Activities

School technology staff will work with teachers and staff members to develop a professional plan for improving staff technology skills	Develop targeted areas for Personal Growth Plan.	Leaders will evaluate teachers and staff.	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$0
Construct a technology plan that focuses on increasing student achievement in all fields through the use of technology integration	Consolidated and Technology Plan will reflect district needs. Better short and long range plans to meet the district's technology need.	Administrators, teachers, and staff will use the KY Impact Review Instrument to evaluate and revise the CDIP and technology plan annually.	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$0
Survey staff throughout the year.	Information gathered from these surveys will be used to better plan for additional	Online surveys will be made available for stakeholders.	08/14 – 06/18	Superintendent Instructional Supervisor Principal	$0

	technology projects that focus on student achievement.			DTC Teachers Innovation Coordinator	

Goal 4

Teachers and Staff will use technology to provide communication to all stakeholders

Action Plan: Strategies/Activities

Teachers and staff will use various forms of communication to keep shareholders updated, which include: Local and Long Distance Phone and Cellular Service	Staff members will use current phone system to provide updates on student progress and other issues which helps to enhance the students education	Phone Logs	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$17535.37
Teachers will use school Webpages	Parents, students and teachers will have a new way of sharing knowledge of events, activities, and other items that are going on in the students classroom	Teachers webpages – Updated Principal Monitoring of the sites	08/14 – 06/18	Superintendent Instructional Supervisor Principal DTC Teachers Innovation Coordinator	$0
Administration will use One-Call Now to provide all stakeholders with	All school stakeholders will have a means of receiving	One-Call Now Logs	08/14 – 06/18	Superintendent Instructional Supervisor	$500

upcoming information	informational calls to upcoming events, Snow Plans, or any other information that the school deems important			Principal DTC	
District will up kept current equipment that district uses for Finance and SIS	With continued support, district will function effect	Purchase orders	08/14 – 06/18	Superintendent Finance Officer District Technology Coordinator	$4500

Goal 5
Provide Wireless Infrastructure for all students and staff

Action Plan: Strategies/Activities

Adequate wireless coverage will be provided for all schools in order to increase technology access for student and upgrade current networking structure to promote a 1 to 1 environment.	Wireless infrastructure will be maintained to provide adequate access for one-to-one student access	Student technology access should be evident throughout the curriculum. District and school walk-through data should confirm the increase in availability	08/14 – 06/18	Superintendent DTC Innovation Coordinator	$72,787.80

Goal 6

Provide up to date equipment for classrooms and administrative offices.

Action Plan: Strategies/Activities

Continue to update printers and purchase of print cart.	Teachers will have tools available to use to print out documents for students and administrators	Teachers and staff need adequate tools to help promote student learning. Purchase Records	08/14 – 06/18	Superintendent DTC	$1500

Technology Goals – Evaluation

Along with the various evaluations listed previously in this document, the following measures of success are planned for the duration of this technology plan. To evaluate this plan, our SDBM (School Decision Based Making) Council, uses a planning process that involves months of preparation as administrators, teachers, support staff, and others are involved in reviewing current practices and making recommendations for improvement. Along with this, our council has constructed a technology committee that reports to both the Board of Education and the SBDM. This committee planning process involves looking at all areas of instruction and support, including but not limited to the integration of technology into the curriculum, increasing the ability of teachers to teach, and enabling students to reach the challenges of the state's academic standards. The Technology Plan is reviewed on a quarterly basis and adjustments made as needed. Once these updates are approved, they are posted on the web, so that all stakeholders can view.   In addition to the above planning process, the district's network and technology needs are evaluated on an ongoing basis to provide the very best possible support for the school system. Network traffic is monitored and technology work orders are reviewed to track any problem areas relating to technology equipment, including telecommunication services. Newer equipment and processes are tested and evaluated on an ongoing basis to see if improvements to network and telecommunication services can be made. As newer and better ideas and equipment are found, plans are made to incorporate them into the budget process and into the application process for e-rate funding during the e-rate

Budget Summary

Note: duplicate this page for each year as needed (if a multiyear plan)

1) List the professional development and technologies to be acquired during each year of the agency's plan.

2) List all funding sources for recurring services, anticipated purchases, and professional development.

3) Include the total of all technology resources to support the district's technology initiatives.

4) Note: At least 25% of the funds allocated to an LEA through the Title IID ED Tech Program (Competitive and Non-Competitive), must be allocated for professional development activities.

5) This information will be helpful in completing Item 25D on the E-Rate Form 471.

Acquired Technologies and Professional Development	E-Rate	KETS	Other (Specify) General Fund
Phone Service: Cell	$2,395.58		$598.90
Phone Service: Local (Telco)	$5,582.75		$1,395.69
Phone Service: Local (PRI)	$5,846.50		$1,461.62
Phone Service: Long Distance	$203.46		$50.87
ARI Funding-1to1 devices			$4,000.00
1 to 1 devices		$4,000.00	
CIO Travel			$500.00
Network Switches	$17,129.60		$4,282.40
Wireless upgrade	$41,100.64		$10,275.16
Dataseam technology Professional Development		$1,000.00	$3,200.00
CIO/DTC			$72,000.00
Classroom Printers		$500.00	$1,000.00
Classroom NxGN Devices		$10,000.00	
Carnegie Learning Program (Algebra I)			$1,080.00
AP Online Courses and Due-Credit courses offered at the college for			$15,717.15
SIS Training and Travel for teachers and admins			$500.00
One-Call Now Service			$500.00

Munis Yearly Maintenance Agreement			$1,000.00
Infinite Campus Yearly Maintenance Agreement		$1,500.00	
Repairs/Maintenance yearly estimated			$2,000.00
TOTAL	$72,258.53	$17,000.00	$119,561.79

$136,561.79

Budget Summary – Narrative

Fund Sources: There are *three* major sources of funds to facilitate the technology plan within the Jackson Independent Schools in order to provide, repair and maintain the hardware, software and associated services for technology.

1. Local District Funds – These are funds allocated by the school board to support the integration of technology into the schools' curricula. The technology department currently consists of the DTC and one student assistant.

2. USF Discounts – This source of funding is from the Schools and Libraries Division of the Federal Communication Commission, and allows discounts on internal network devices and telecommunication bills. Enhancement of network connectivity to include fiber-optic cabling to better serve our schools with appropriate bandwidth capabilities is our next network priority. The Jackson Independent School District anticipates filing for USF discounts on networking components for the upcoming school year.

3. KETS – Kentucky Educational Technology System is the main source of funds to implement the use of technology within our district. These monies consist of both state and local matching funds. The previous six-year plan, called KETS Phase I, has been completed. KETS Phase II is in year five of a six- year effort.

The major priorities for use of these of KETS Phase II funds for the next six years is as follows:

- Replacing/updating computer workstation inventory annually.

- Replacing/updating classroom printer inventory annually.

- Updating/upgrading software as appropriate.

- Providing staff with Professional Development. **PD Fund Sources** Local Board, and state funding is used as appropriate to fund the many and varied Professional Development activities within Jackson Independent School. Due to cuts in the state budget we have been hit very hard and have had to use Train the trainer and other types of resources to provide effective PD in the field of technology. The Chief Information Officer also provides ongoing professional development training at all grade levels.

Attachments/Appendices (Optional)

Include any necessary attachments or appendices such as Procurement Plans, Technology Inventory, Evaluation reports, etc. Number each attachment consecutively and be sure to list them in the Table of Contents.