Technology Plan

Jackson Independent School District

940 Highland Ave

Jackson, Kentucky



<http://www.jacksonind.net>

Creation Date: April 24, 2017

Plan Start Date: July 1, 2017

Plan Expiration Date: June 30, 2018

[

**Acknowledgments**

|  |  |  |
| --- | --- | --- |
| **District Technology Staff** Charles J. Coots – Chief Information Officer/District Technology Coordinator/ARI Innovation Coordinator |  | **School Technology Coordinators** Charles J. Coots |
| **School Library Media Specialists** Sarah Trent |  | **Technology Integration Specialist** Charles J. Coots |
| **Additional District Contributors** James Yount – SuperintendentStacy Linn – DPP/DAC/PD CoordinatorSandra Manns – District Finance OfficerSandra Gabbard – Assistance to the SuperintendentMelissa Henson-Little – Gear up Academic SpecialistDiane LittleJackson Independent Board of EducationJackson Independent SBDMChrista Collins – Special Needs Teacher |  | **Students** Josiah HensonMatthew Coots |
| **Other** Chet Sygiel – Student AdvisorCheri Arrowood – Elementary Math Specialist/Middle School Technology TeacherJessica Bowling – High School Language Arts TeacherJohn Couch – Special Needs/ Middle School Social Studies/ Athletic DirectorAngela Campbell – Elementary Teacher |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Table of Contents

[Executive Summary 1](#_Toc445814159)

[Planning Process and Methodology 4](#_Toc445814160)

[Current Technology and Resources 6](#_Toc445814161)

[Curriculum and Instructional Integration Goals 12](#_Toc445814162)

[Curriculum and Instructional Integration Goals – Evaluation 15](#_Toc445814163)

[Student Technology Literacy Goals 16](#_Toc445814164)

[Student Technology Literacy Goals – Evaluation 21](#_Toc445814165)

[Staff Training/Professional Development Goals 22](#_Toc445814166)

[Staff Training/Professional Development Goals – Evaluation 27](#_Toc445814167)

[Technology Goals 28](#_Toc445814168)

[Technology Goals – Evaluation 37](#_Toc445814169)

[Budget Summary 38](#_Toc445814170)

[Attachments/Appendices (Optional) 41](#_Toc445814171)

# Executive Summary

Serving nearly 350 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, newspapers, school digital media centers (Samsung TVs), and use adequate telecommunication services (telephone –local and long distance) 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.

Jackson Independent School District is one of the seventeen districts that is part of *The Race to the Top Grant* the our local Coop received in 2014-2015 school year for the next four years. During that span of time, districts will be given opportunities to work toward creating a 1-to-1 learning environment, obtain new technologies, receive research based personalized trainings based upon the districts needs so that they can not only develop leaders who are willing to make changes toward student success, but help teachers effectively use data to find and develop innovative strategies that will help produce students who are college and career ready.

In addition to the Race To the Top Grant, we are currently working with Gear-Up on develop not only our teachers but also our students into leaders in our school and community. Students will be given various opportunities to obtain multiple skills through the uses of technologies, field trips to colleges, mentoring students, receiving mentoring from our community and staff, and receive real world work experience through Cooping with professionals in our community.

In addition, our teachers will receive technology and professional development that focuses on rigid, relevance, and developing a stronger understanding the core curriculum they are in charge of teaching. Teachers will select one core area to focus on for the next three years, in which they will develop their curriculum and create activities that will enhance the students learning. Administration will assist the teachers in receiving any additional trainings that are necessary to fully implement these projects.

School Mission Statement:
The Jackson Independent staff will use data and innovational strategies to produce successful citizens that are both college and career ready.

**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 Telecommunication

# Planning Process and Methodology

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
* Light Speed 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 48 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: ICurio, NWEA Map, Apex, Munis, Lexia Reading, Symphony Math, Carnegie, CIITS, SAS Curriculum, Online Testing, Geometer Sketchpad, Logger Pro, ILife Suite Tools, Smart Tools, SIS (Infinite Campus) system, Web Design, Video Production, E-MAIL, Microsoft 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, DAC and school’s principal 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.

We have just recently upgraded our network and wireless infrastructure based on the growing need to provide access to a variety of products and devices. This comes from several internal reviews of the network and a team of individuals from our local Coop that provided us with more data that helped us make the decision to seek out additional funding sources to help pay for a total refresh of our network. We have upgraded our system from a/b/g to ac. As you can see from the graph this will provide a more reliable and constant signal for connecting wireless devices. In addition, we went from 18 access points (Aps) to 35 Aps. We now have greater cover of our campus (less dead spots) and can provide learning environments outsides as well as indoors for our student populations because of the increased signal ranges. To maximize this even more, we purchased a management system to help ensure that the products function at maximum.



**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.

Our Districts needs to

* Analyze **all** staff members to see what their technological needs are and build our professional development activities around the need.
* Continue assessing **all** students to see their state of proficiency based on technical skills.
* Build on our curriculum to ensure that it is rigorous and engaging.
* Ensure that **all** students meet the national technology standards of proficiency by eighth grade
* Ensure that **all** student have in 21st Century Skills
* Ensure that **all** students obtain their Digital Driver’s License
* Ensure that all staff members receive the support needed to be successful with integration of any new technologies.
* Upgrade wiring drops from CAT5 to CAT6.
* Look at replacing the currently VOIP system because it is now at end of life and several phones no longer work.
* Look at adding additional Power for workstations in classrooms. But if we go more mobile this would not necessary be the biggest need.
* Equip teachers with the latest technology tools in their classrooms, so that they can engage the students through innovation. Redesigning the current classrooms so that they meet a more 21st century learning atmosphere needs to be one of the top priorities that our district needs to make.
	+ Technology suggestions include:
		- Minimum of 65” TV each room paired with the following technologies. Mounted to the wall.
		- Apple TV – allowing devices to share content through projection to the TV. This is not only for the teacher to use but for students sharing content as well with the rest of the class
		- Sound-Bar – Enhanced sound to so that entire class can hear
		- Digital Camera – That will be paired with Computer so that virtual learning could take place or could be used for creating online tutorials for student learning. Great tool for NTI types of learning.
		- HDMI cables for other devices to connect.
		- Document Camera
		- Classroom Cart of Devices (IPads/Laptops/Chromebooks/etc..)
		- Classroom Carts of Chromebooks

**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 10 GB.
* -  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 are currently up to date in the wiring closets. There are still several networking switches in the classrooms that need updated.
* -  Wireless Network Security Switch is currently up to date
* -  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 2 windows servers that are currently running. One is used for our Active Director and the other is used as our new network management system. We currently have 5 servers which are just taking up space.
* -  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 6 PC laptops and 10 macbook airs that are used by staff.  20 macbooks for student use as well
* -  Currently we are supporting around 221 IPads 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

- Innovation Teacher Grants (2016-2018):

* 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:
	+ Microsoft Office: Word, Excel, PowerPoint
	+ Ti-Nspire Teacher Software
	+ Wix.com Website
	+ Windows XP, Windows Vista, Windows 7, Windows Server 2003, Windows Server 2008
	+ Remote Desktop Management (Mac)
	+ Snow Leopard/Tiger/Mountain Lion/Yosemite (Mac OS)
	+ McAfee Virus Protection
	+ Geometer Sketchpad v.4.0
	+ Logger Pro 3.0
	+ ILife Suite: IPhoto, IWeb, IMovie, Garage Band
	+ Pages, Numbers, Keynote
	+ Online:
		- Carnage Learning – This is a yearly subscription which costs the district to maintain
		- Hawkes Learning – Morehead Online Courses
		- Apex Online
		- Icurio
		- Ripple Effect
		- Symphony Math
		- Lexia Reading
		- 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.
* We are currently looking at also becoming Microsoft Certified and Google Certified.

# Curriculum and Instructional Integration Goals

**Goal 1**

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

**Action Plan: Projects/Activities**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project/Activity | Instructional Outcome | Indicator | Timeline | Person(s) Responsible | Funding Source |
| 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 EvaluationsAttend Various trainingsPosting on [www.theholler.org](http://www.theholler.org) |  08/14 – 06/18 | ARI Leadership TeamJCS TeachersPrincipalSuperintendentInnovation 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 and knowledge will be measured by increase in number of students who meet state benchmarks based on ACT standards in Mathematics.** | **Lesson Plans Walkthroughs Teacher Evaluations**  | **08/14 – 06/18** | **ARI Leadership Team****Principal****JCS Teachers****Innovation Coordinator****Superintendent****TI-Nspire Trained Teachers** | **$0** |
| **Jackson Independent teachers in grades 3-12 in the areas of science, math and language arts will attend the “Laying the Foundations Summer Training”**  | **Teachers will increase rigor in the classroom ensuring that there will be an increase in the college readiness and college success. In addition teachers will be able to use various resources to build upon through an electronic database** | **Curriculum (Updated) Meeting Sign-in Sheets Lesson PlansWalkthroughs** | **08/14 – 06/17** | **Superintendent****Instructional Supervisor****Principal****Teachers****Gear Up Coordinator** | **(-$12,285) for 17-18 school year** |
| **Jackson Independent Teachers in grades k-12 will work on becoming google certified educators** | **Teachers will increase rigor in the classroom ensuring that there will be an increase in the college readiness and college success. In addition teachers will be able to use various resources to build upon through an electronic database** | **Meeting Sign-in Sheets Lesson PlansWalkthroughsGoogle Certifications** | **08/17 – 06/18** | **Superintendent****Instructional Supervisor****Principal****Teachers****Gear Up Coordinator** | **$350** |
| **Jackson Independent will purchase Chromebooks and Carts for classrooms** | **Students will have more 1 to 1 devices to help provide them with 24.7 access** | **Purchase Orders** | **08/17 – 6/18** | **Superintendent****Gear UP Coordinator****DTC** | **$16000** |
| **Jackson Independent will implement enrichment activities for STEM MS/HS sessions: Robotics course after school.**  | **Students participation in STEM activities will assist in increasing math and science scores by hands-on-learning.** | **PhotosLesson PlansStudent ProjectsAttendanceMath and Science Assessment dataSurveys** |  | **Gear Up Coordinator****21st CCLCTeachers** | **$432** |

**Goal 2**

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

**Action Plan: Strategies/Activities**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Strategy/Activity | Instructional Outcome | Indicator | Timeline | Person(s) Responsible | Funding Source |
| 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 | SuperintendentInstructional SupervisorPrincipalDTC | **$10,961.50** |
| Teachers will use online assessments to collect data to identify areas of need. (Ciits, Cert, Study Island, NWEA Map) | Teachers will use online assessments to promote success in their classroom.  | Sign-in Teacher Created online Tests Lesson Plans  | 08/14 – 06/18 | SuperintendentInstructional SupervisorPrincipalDTCGear-Up | **$7266** |

# 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 school Student 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**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Strategy/Activity | Instructional Outcome | Indicator | Timeline | Person(s) Responsible | Funding Source |
| A1. Acquire technology that will be used to implement a one-to-one environment for student learningARI provides 11.25 per ADA: Roughly $5000 year for next 2 years. | Increased student performance, technology literacy, and higher test scores will result from a more dynamic learning environment for students.  | Observed during administrative walk-throughs Purchase Orders | 08/14 – 06/18 | SuperintendentDTCARI Coordinator | **$5000** |
| **A2. Acquire equipment for classrooms that will make them state of the art in regards to IT(Interactive Boards, Data Projectors,TVs, Speaker bars, cabling, Mouning kits, etc) Acquire intelligent classroom equipment for all classrooms. Rough Estimate $1000 per room.10 Rooms per year** | **Increased student performance, technology literacy and higher test scores will result from a more dynamic learning environment for students.** | **Observed during administrative walk-throughs.****ARI site visits** | **08/14 – 06/18** | **Superintendent****DTC** | **10,000** |
| A3. Increase in video conferencing  | Eliminate barriers and enables connection with experts in other geographical locations. | Lync RecordingsSign-In SheetsMondopad SessionsGoogle/Skype sessions | 08/14 – 06/18 | SuperintendentInstructional SupervisorPrincipalDTCTeachers | $0 |
| **A4. Increase the number of course selections by acquiring or creating online courses ,Apex 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** | **$3350**  |

**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**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Strategy/Activity | Instructional Outcome | Indicator | Timeline | Person(s) Responsible | Funding Source |
| 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 |
| All Students will learn about digital literacy through using the D.D.L. provided by the state department | Students will understand the importance of digital literacy | DDL recordsTeacher Lesson Plans | 08/14 – 06/18 | DTCTeachers | $0 |

#

**Goal 3**

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

**Action Plan: Strategies/Activities**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Strategy/Activity | Instructional Outcome | Indicator | Timeline | Person(s) Responsible | Funding Source |
| **Implement Carnegie Learning/Win-learning/Win-M@+h/Duel Credit Online Courses/adapting materials to google classroom.** | **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****Gear UP Coordinator** | **$1000** |
| 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 comfortable with using the technology in the classroom | Lesson Plans  Walkthroughs Teacher Evaluations Sign-In Sheets | 08/14 – 06/18 | SuperintendentInstructional SupervisorPrincipalDTCTeachers | $0 |
| Teachers will be trained in how to integrate technology into their curriculum. ARI will help provide trainings to teachers and staff members | By providing training for teachers to learn more about researched methods of integrating technology into their classroom, students will be better prepared to meet their future needs. | Lesson Plans  Walkthroughs Teacher Evaluations Sign-In Sheets | 08/14 – 06/18 | SuperintendentInstructional SupervisorPrincipalDTCTeachers | $0 |

# 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**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Strategy/Activity | Instructional Outcome | Indicator | Timeline | Person(s) Responsible | Funding Source |
| **The district will purchase programs like: Symphony Math and Lexia Reading that can address gaps in the students achievement.** | **Students performance will improve in success rate of students in basic skill mastery** | **Purchase OrdersLog Records** | **08/14 – 06/18** | **Gear UP Coordinator****Teachers****DTC** | **$9910** |
| **Teachers will receive training in new software and technologies during PD days and during planning periods. Trainings, such as: Google Apps for Education, Office, INFINITE CAMPUS, lexia reading, CERT, Symphony Math, 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** | **$0** |
| Technology Integration Professional Development will be included in the District PD. Focus for the upcoming 17/18 school year will be on using Google Apps for education (Materials gathered from these PD will be placed on the school website and Database) | By exposing individuals to technology trainings teachers will be exposed to a wide variety of technology being used by successful programs across the state.  | Sign in Sheet Materials placed online for teacher access  | 08/14 – 06/18 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation Coordinator | $0 |
| 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 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation Coordinator | $0 |
| Teachers will receive training on how to implement digital tools, such as Google Drive, Docs, Sheets, Forms, Classroom, 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 SheetsLesson Plans Monitor Logs Online Surveys  | 08/14 – 06/18 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation 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 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation 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 SIS to effective report student progress.  | Travel Logs Sign-in Sheets SIS Logs  | 08/14 – 06/18 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation 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 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation Coordinator | **$75000** |

**Goal 2**

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

**Action Plan: Strategies/Activities**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Strategy/Activity | Instructional Outcome | Indicator | Timeline | Person(s) Responsible | Funding Source |
| **Teachers will receive training on how to implement technology projects through DATASEAM. ?????** **This item may be cut.** | **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 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation 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 | SuperintendentBoard of EducationDTC | $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**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Strategy/Activity | Instructional Outcome | Indicator | Timeline | Person(s) Responsible | Funding Source |
| 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 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation Coordinator | $0 |
| Teachers will use various different assessments that allow students the opportunity to select appropriate technology tools to produce products.  | Tasks and questions provided to students that are supported by integrated technology allow for student selection of what they judge as the most appropriate tool to demonstrate what they have learned  | Sample Student Assessments Lesson Plans Walk-throughs Student products  | 08/14 – 06/18 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation Coordinator | $0 |
| 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 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation 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**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Strategy/Activity | Instructional Outcome | Indicator | Timeline | Person(s) Responsible | Funding Source |
| 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 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation 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 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation Coordinator | $0 |
| Assess teachers and staff technology skills.  | There is a steady increase in the number of teachers who regularly employ instructional strategies proved to illustrate best practices in teaching with technology as an integrated element to support  | Online Surveys Teacher PD Teacher Evaluations Online Assessment.: Learning.com 21st Century Assessment  | 08/14 – 06/18 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation Coordinator | $0 |

**Goal 3**

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

**Action Plan: Strategies/Activities**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Strategy/Activity | Instructional Outcome | Indicator | Timeline | Person(s) Responsible | Funding Source |
| 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 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation 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 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation Coordinator | $0 |
| Survey staff throughout the year.  | Information gathered from these surveys will be used to better plan for additional technology projects that focus on student achievement.  | Online surveys will be made available for stakeholders.  | 08/14 – 06/18 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation Coordinator | $0 |

**Goal 4**

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

**Action Plan: Strategies/Activities**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Strategy/Activity | Instructional Outcome | Indicator | Timeline | Person(s) Responsible | Funding Source |
| **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** | **$18,628.75(District)****$6209.55 (Erate)** |
| 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 | SuperintendentInstructional SupervisorPrincipalDTCTeachersInnovation Coordinator | **$300** |
| Administration will use One-Call Now to provide all stakeholders with upcoming information  | All school stakeholders will have a means of receiving informational calls to upcoming events, Snow Plans, or any other information that the school deems important  | One-Call Now Logs  | 08/14 – 06/18 | SuperintendentInstructional SupervisorPrincipalDTC | $500 |
| 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 | SuperintendentFinance OfficerDistrict Technology Coordinator | $4500 |

**Goal 5**

Provide up to date equipment for classrooms and administrative offices.

**Action Plan: Strategies/Activities**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Strategy/Activity | Instructional Outcome | Indicator | Timeline | Person(s) Responsible | Funding Source |
| 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 | SuperintendentDTC | $1500 |
| District Warranties | Staff will have a devices that are updated and functionings | Warrenties | 8/17- 6/18 | SuperintendentDTC | $4000 |

# 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)

|  |  |  |  |
| --- | --- | --- | --- |
| **Acquired Technologies and Professional Development** | **E-Rate** | **KETS** | **Other (Specify)** |
| Phone Service: Cell | 708.30 |  | 2124.90 |
| Phone Service: Local (Telco) | 2660.37 |  | 7981.11 |
| Phone Service: Local (PRI) | 2840.88 |  | 8522.64 |
| ARI Funding: 1 to 1 Devices |  |  | 5000 |
| **Dataseam PD** |  |  | 4200 |
| **CIO/DTC/IC** |  |  | 75000 |
| **Classroom Printers** |  | 1500 |  |
| **Classroom Devices (Chromebooks & Carts)** |  |  | $16000 |
| **Classroom NxGN Devices Upgrades (TVs)** |  |  | 10000 |
| **AP, Online Courses, Duel-Credit, Apex** |  |  | 10961.50 |
| **Infinite Campus Training, Ciits Training, travel, etc…** |  |  | 500 |
| **One-Call Now Service** |  |  | 500 |
| **Infinite Campus Yearly Agreement/Munis/Food Service** |  | 4500 |  |
| **Technology Programs and Tools, such as: Lexia, robotics, Sym Math, Carnegie, etc…** |  |  | 14260 |
| **Online Assessments** |  |  | 7269 |
| **Various Professional Development Trainings** |  |  | 12,285 |
| **Web Page** |  |  | 300 |
| **Warranties** |  |  | $4000 |
| **TOTAL** | 6209.55 | 6000 | 178904 |
|  |  | $184,904 |

**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)