Technology Plan
Paris Independent School District
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Paris, Kentucky 40361

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Acknowledgments

The Paris Independent Board Of Education is expected to approved the first draft of this plan on August 15, 2017. Budget items are estimated using data from previous years and expected payments on multi-year goal specific loans. Update dates will be included on the front of this document as they occur.

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Executive Summary

Enhanced communication between the district, students, parents and the larger community will continue to be a priority for our district. We will continue our present use of a school website, telephones in every classroom and office, staff and student e-mail, the School Messenger notification system, IC Parent & Student Portals, Local Newspapers, and Facebook as means of communication with our parents, students, staff and the community.

By regularly evaluating our progress toward the above goals, we hope to continuously improve while providing the necessary technology to support our instructional initiatives.

The ultimate goal of this component of the Paris Independent Comprehensive District Improvement Plan is to formalize our intentions to Paris Independent School District to continue to take every advantage of modern technological equipment by providing technological experiences which support the present and continuing success of our students and staff members.

It is our intention to provide our students and staff with the technology tools and knowledge to create lifelong learners. It is our goal to assure that all of our students will be college and career ready when they graduate from our schools.

It is our belief that Individualized Learning is the key to student success and to this end we will be implementing a new program this year in our High School called Paris 2.0 which is based on the Summit Learning model. This program uses technology to enhance student learning and will make use of the existing 1 to 1 Chromebook initiative in our High School.

The focuses of our technology plan are to deploy useful and relevant tools for learning, keep them current and functioning properly, keep teachers and students informed about the proper, most innovative and most beneficial uses of these tools, and to maintain good communication among our students, staff, and parents by leveraging both online and verbal communication tools.

In order to increase achievement in curriculum subject areas and technology literacy, the Paris Independent School District will be continuing to make loan payments on a multi-year project which upgraded our network backbone. That project coupled with a QSAB project at our Elementary School have allowed us to provide faster and more reliable access to the World Wide Web throughout our school district. We will continue to upgrade and maintain the infrastructure in our district as needed to provide the best possible speed and reliability of our Network. Wired & wireless access for our newly constructed Athletic Building is included in this plan.

We will also continue to maintain our existing 21st century classroom technology which addresses the differentiating learning styles of our students and increase the number and quality of these opportunities whenever funding allows. We will continue to maintain workstations and provide devices that allow access to online learning resources both during and after school hours. We will continue our district wide Bring Your Own Device (BYOD) initiative and plan to expand our one to one Chromebook initiative in the High School to our 8th grade students this year.

We continue to work to leverage the free Office 365 resources provided to all staff and students by the Kentucky Department of Education and will also continue to teach and take full advantage of G Suite for Education (Formerly Google Apps for Education) which includes free productivity software, the Google Classroom Learning Management System, and unlimited online storage with Google Drive.

Our district will continue our present practice of teaching technology literacy at all educational levels and hopes to expand our use of the Digital Driver's License program and Fusion Technology initiative to assure that our students and staff learn basic and advanced technology skills and are technology literate.

Our staff members will continue to receive support and training on how to best utilize technology tools for innovative and effective teaching and learning. To this end our district will continue to maintain a District Technology Integration Specialist (DTIS), provide access to online teaching and learning communities, and offer teacher led training to assist us in providing professional development opportunities via multiple delivery methods.

Planning Process and Methodology

The technology planning process for this document begins with the creation of a draft based upon last year's plan. The document is then approved by the Board of Education. After the draft is approved constituents are asked to review the document and offer further suggestions for changes or to further address specific topics in which they specialize. After these additions the finalized document is again presented to the Paris Independent Board Of Education. After the updated plan is approved by the Board it is next submitted to both the Regional Engineer for review and the Kentucky Department of Education for approval.

This plan is revisited and updated every year. It is also reviewed at the beginning of each school year, whenever budgets are edited and re-approved, whenever educationally relevant legislation is approved and whenever goals are met or must be changed or removed. The Chief Information Officer (CIO) is primarily responsible for reviewing and revising this document as constituents recommend, district leadership directs or conditions merit. All such changes must be approved by our Board of Education. The dates on which updates are made to our technology plan are included on the cover of the document.

Due to budget cuts for all K-12 programs in Kentucky at both the state and federal levels it has been very difficult to meet some of the technology goals set out in our previous technology plan.

We have updated our network backbone (LAN) and provide effective wireless coverage (WLAN) throughout our district. All devices using our network pass through the state provided Proxy service regardless of settings. This has allowed us to open up our network for BYOD to both students and guests. Unfortunately we are having difficulty convincing students that signing the BYOD inclusive AUA is beneficial. They seem content to use the guest network instead, even though it means that access is slow and that devices must be registered again every day.

We were unable to purchase any new 21st Century Classrooms this year. We have concluded that the use of Smart TVs, though more cost efficient and easier to maintain, are not a viable alternative to large screen projection and do not offer the same tactile opportunities as an interactive whiteboard. We will continue to install projected options as funding allows.

The cost of maintaining our present 21st Century Classrooms is somewhat daunting due to Bulb replacement, projector replacement, wiring replacement and other repairs to intelligent classroom components. Maintenance on these classrooms has become increasingly expensive and time consuming as our intelligent classroom hardware and wiring increases in age. We have been unable to purchase any new student response systems in the past year and are researching free options that will offer us comparable results.

We have managed to continue to provide both online and verbal communication options district wide. We have provided plentiful and good quality professional development for our teachers. We have also made policy changes and implemented technology curriculum changes to better prepare our students to be safe and informed Digital Citizens.

Although future funding for Kentucky schools is expected to decline even more drastically in the coming years the Paris Independent School District will continue to provide the best educational opportunities we can for our students, staff and community.

Current Technology and Resources

The Kentucky Department of Education (KDE) provides free WWW access to all public school districts in the state of Kentucky via the Kentucky Educational Network (KEN). We are very fortunate that this service continues to be available and that our network speed increased dramatically in December of 2015 and again in the Fall of 2016. This service provides and invaluable opportunity for our staff and students. However, we are continually concerned that reductions in educational funding in our state will result in losing this access or the inability of KDE to maintain the equipment vital for this service.

The Paris Independent School District maintains a Local Area Network (LAN) that connects our schools and offices to KEN. The district data network is a Cat 5 based system and includes hardwired network/WWW services to every office and classroom in our district.

At present staff, students, and guests are provided with free wireless network access via our "Guest Network" which requires re-registration every 24 hours and is filtered and traceable as needed. Longterm registered access is also available to all staff and students who sign and return the appropriate forms.

Recent network upgrades have increased our switching speed and allowed us to have saturated and monitored high speed wireless coverage, and the new Lightspeed proxy option provided for our district by KDE allows for easily managed fast and transparent Proxy services for our district.

Our district voice/telephone system provides telephone access to each office and classroom including access to outside lines in case of emergencies or to contact parents and other constituents. Administrators and Administrative offices also have voice mail service and each main office has a fax machine. Although the system is fully functional it is an older system which we would like to upgrade to a "Voice over IP" solution. Unfortunately e-rate funds are no longer available for this sort of upgrade.

We maintain many 21st Century and SMART classrooms throughout our district as well as a virtual computing lab at our elementary, one regular lab at our high school, and one virtual computing lab at our middle school. The shared high/middle school library also contains many desktop computers for student use. Classrooms contain at least one internet connected desktop or laptop for teacher use and often extra computers for student use. Unfortunately many of our workstations are nearing end of life and finding the funding to replace them has been difficult. Our BYOD initiative has alleviated some of this need. Our high school is presently maintaining a one to one student to Chromebook initiative which we hope to expand to our eighth grade students in the 2017-2018 School Year

We have 249 district owned IPads available for student use in our district. Each of these has filtered and monitored WWW access via our WLAN. Of those 119 are in use by students at the elementary school and the other 130 are generally contained in mobile carts primarily used by our middle school students.

Each member of our teaching staff has either an IPad or an IPad mini for use in their classroom(s) and most of our administrators are using IPads as well. Middle and high school teachers also have a Chromebooks, as do most of our administrators, and we hope to purchase Chromebooks for our Elementary teachers in the coming years. Each high school student is provided with a Chromebook for use throughout the school year, which they are allowed to take home. We are purchasing Chromebooks for our 8th grade students this year and hope to move this 1 to 1 initiative down one additional grade level each year until we reach the 4th grade. District owned digital cameras, and video cameras are also commonly used for school projects.

We maintain many types of support and educational software either in the form of cloud based services or on local servers. Software is used not only to teach students but also for administrative purposes, library and lunchroom management and student assessment.

District technology staff members attend the spring CKATC technology conference whenever funding allows as well as professional meetings and other technology training as needs and opportunities arise.

Curriculum and Instructional Integration Goals

Our Response to Intervention (RTI) program requires that we provide tools to allow for Differentiating Instruction which will help our students succeed academically and includes the use of online resources to assist staff in effective instructional integration. We are also investigating the possibility of moving to a personalized learning platform to help our students succeed.

Goal 1

Provide educational technology hardware and software resources for district classrooms and supply teachers with outstanding examples of instructional integration on which to model their lessons.

Action Plan: Projects/Activities

Project/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Continue the use of 21st Century Classroom hardware and software in our schools including SMART/21st Century classroom designs	Teachers will address differing learning styles, vary content delivery methods & increase student participation in the learning process. Student response systems will allow teachers to adjust lessons to assure student content comprehension	Use of these resources will be included in lesson plans & teacher observation records	July 1, 2017 – June 30, 2018	Chief Academic Officer, Director of Pupil Personnel (DPP), District Technology Integration Specialist (DTIS), Principals, Teachers	See Technology Goal 3, Item 1
Distance Learning opportunities & modern productivity software such as Microsoft Office 365, Google Docs & Google Drive	Teachers will address differing learning styles, vary content delivery methods & increase student participation in the learning process.	Use of these resources will be included in lesson plans & teacher observation records	July 1, 2017 – June 30, 2018	Chief Academic Officer, Director of Pupil Personnel (DPP), District Technology Integration Specialist (DTIS), Principals, Teachers	See Student Technology Literacy Goal 2
Include the use of Chromebooks, IPads, Personally-Owned Devices (POD), Digital Cameras, Digital Projectors, AV Equipment &	Students will learn 21st Century Skills while mastering content & creating projects that improve	Lesson Plans & teacher observation records demonstrate the inclusion of Multimedia Equipment &	July 1, 2017 – June 30, 2018	Chief Academic Officer, DPP, DTIS, Principals, Teachers	See Technology Goals

associated software for student projects	higher order thinking skills	associated software for student educational projects			
Encourage staff to use IMS (formerly CIITS), KATE, TICK, & Discovery Education/PBS Learning Media/KET ED on Demand & other online teaching communities to help them get the most efficient use out of available technology equipment	Effective integration of technology into our classrooms by staff members will improve student interest in lessons, improve student participation in lessons & improve student academic achievement. It will also provide students with excellent models to emulate when using 21st Century Skills now & in their future careers	Use of CITTS & other online educational technology instructional resources will be seen in CIITS usage logs & included in lesson plans & teacher observation records	July 1, 2017 – June 30, 2018	Chief Academic Officer, DPP, DTIS, Principals, Teachers	See Professional Development Goal 1 & 2, See Technology Goals

Goal 2

Leverage educational software and online student evaluation software to identify student academic needs, respond to these needs with differentiating instruction opportunities and re-evaluate regularly to identify success rates and make adjustments to our RTI as needed to best assist our students.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Preschool Curriculum Software	Preschool Teachers will include Educational Software in lessons to address differing learning styles, allow for individualized learning, & provide the means for students to advance their knowledge & skill levels.	Use of these resources will be included in lesson plans & teacher observation records. The number of students who attain proficient and distinguished achievement ratings will increase.	July 1, 2017 – June 30, 2018	Chief Academic Officer, Director of Pupil Personnel (DPP), District Technology Integration Specialist (DTIS), Principals, Teachers	IDEA PRE $313.50
K-5 Educational Software	K-5 Teachers will include age/ skill level appropriate educational software in lessons to address differing learning styles, allow for individualized learning, & provide the means for students to advance their knowledge & skill levels.	Use of these resources will be included in lesson plans & teacher observation records. The number of students who attain proficient and distinguished achievement ratings will increase.	July 1, 2017 – June 30, 2018	Chief Academic Officer, Director of Pupil Personnel (DPP), District Technology Integration Specialist (DTIS), Principals, Teachers	A to Z Learning PES Allocated $209.90 Accelerated Reader General Funds (GF) $2,907.50 Great Minds PES Allocated $2,990.00 Lexia PES Allocated $650.00 Social Studies Alive PES SBDM $200.00

					Star Reading & Math GF $5,000.00 Zearn PES Allocated $2,500.00 Many Free Online Software and Educational Resources
6-8 Educational Software	6-8 Grade Teachers will include age/skill level appropriate educational software in lessons to address differing learning styles, allow for individualized learning, & provide the means for students to advance their knowledge & skill levels.	Use of these resources will be included in lesson plans & teacher observation records. The number of students who attain proficient and distinguished achievement ratings will increase.	July 1, 2017 – June 30, 2018	Chief Academic Officer, Director of Pupil Personnel (DPP), District Technology Integration Specialist (DTIS), Principals, Teachers	Moby Max Flexible Funds (FF) $400.00 Reading Plus FF $5,400.00 Springboard FF $4,500.00 Many Free Online Software and Educational Resources
9-12 Educational Software	9-12 Grade Teachers will include age/skill level appropriate educational software in lessons to address differing learning styles, allow for individualized learning, & provide the means for students to advance their knowledge & skill levels.	Use of these resources will be included in lesson plans & teacher observation records. The number of students who attain proficient and distinguished achievement ratings will increase.	July 1, 2017 – June 30, 2018	Chief Academic Officer, Director of Pupil Personnel (DPP), District Technology Integration Specialist (DTIS), Principals, Teachers	Verneir Science PHS Allocated $161.02 Many Free Online Software and Educational Resources

Assistive/Adaptive	FMD/LBD Teachers will include age/skill level appropriate educational software in lessons to address differing learning styles, allow for individualized learning, & provide the means for students to advance their knowledge & skill levels.	Use of these resources will be included in lesson plans & teacher observation records. The number of students who attain proficient and distinguished achievement ratings will increase.	July 1, 2017 – June 30, 2018	Director of Special Education, District Speech/Language Pathologist, Principals, Teachers	Aimsweb by Pearson Medicaid Maximus $600.00

Many Free Online Software and Educational Resources |
| Credit Recovery | District will Provide Software and Online Coursework Opportunities for Student Credit Recovery | Number of students who attain the appropriate number of credits to advance to the next grade level or graduate will increase. | July 1, 2017 – June 30, 2018 | Chief Academic Officer, Director of Pupil Personnel (DPP), School Counselors, Principals, Teachers | See Section 2, Item 6

Many Free Online Software and Educational Resources |
| K-12 Evaluation Software | Regular progress monitoring will allow us to provide accurate individual learning plans & personalized instructional opportunities for each student | Improved evaluation scores as students progress through the school year & their K-12 educational careers | July 1, 2017 – June 30, 2018 | Chief Academic Officer, School Counselors, Principals, Teachers | Grade Cam Race To The Top $1,617.50

MAP (6th-12th) General Funds $4,625.00

Val Ed Assessment Race To The Top $1,080.00

Many Free Online Software and Educational Resources Including |

					KYOTE 9 from KDE

Curriculum and Instructional Integration Goals – Evaluation

The individual sections of the District Technology Plan cannot be evaluated alone. The interdependency of the individual sections of the plan are so closely related that it is difficult to decide which portions of our curriculum fall into which categories. Each area of this plan is also dependent on the success of the other portions of the plan. Staff members are given access to professional development, attend professional meetings and participate in online educational communities. From these experiences and our constant communications with other Kentucky districts we make every effort to develop and utilize innovative strategies for the delivery of specialized and rigorous academic courses and curricula through the use of technology, including distance learning technology.

The Kentucky Core Academic Standards provide guidelines for academic achievement which assist schools in preparing students for college and career readiness. Our district makes every effort to meet those guidelines. The evaluation and monitoring processes included in the above table are a continual process. They cannot be defined as "pass" or "fail." Instead they are designed to allow us to make certain that progress is being made. Modern technological advances move at an alarming pace. It is not possible to know what new opportunities to assist our students in the learning process will arise within the next year. This is why our curriculum and instructional integration goals and evaluations are kept fluid. This allows us to add to and adjust our goals as opportunities present themselves.

Although our district consistently includes technology hardware and software in our yearly budget we fully recognize that technology is not an end goal but the means to reach a goal. Our curriculum is designed to support and enhance 21st Century Skills of critical thinking, communication, collaboration and creativity. Our technology plan formalizes our continuing attempts to take every advantage of modern technological equipment by providing technological experiences which support the present and continuing success of our students and staff members.

Our administrators and staff maintain a steady stream of communications concerning the success of our students and consistently seek intervention methods to assist our students toward academic success. The process of gathering, using and sharing this data is a daily activity in which all parties participate as equal partners.

This section of our technology plan is evaluated every year. It is also reviewed at the beginning of each school year, whenever budgets are edited and re-approved, whenever educationally relevant legislation is approved, and whenever goals are met or must be changed or removed.

Student Technology Literacy Goals

It is our district's policy to teach Technology Literacy Skills to all K12 students in our district. Our Digital Citizenship Curriculum includes the following nine elements. Digital Access, Digital Commerce, Digital Communication, Digital Literacy, Digital Etiquette, Digital Law, Digital Rights/ Responsibilities, Digital Health/Wellness, and Digital Security (self-protection).

Goal 1

K-12 students will receive Digital Citizenship and Digital Literacy Training as part of their curriculum each school year.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Digital Citizenship Curriculum is taught to all K-12 Students in our school district during every school year	Students will become responsible & informed Digital Citizens	Teacher Lesson Plans, Successful Digital Citizenship Course completion by students	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, Teachers	N/A Curriculum is teacher created & based upon free online resources
Successful completion of the Digital Driver's License (DDL) online Digital Citizenship curriculum will be required of all 8th grade students	Students will understand & model the nine elements of Good Digital Citizenship	The Online Digital Driver's License software tracks successful program completion data	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, Teachers	N/A Digital Driver's License (DDL) Online curriculum & assessment program is free
9-12 Grade students will successfully complete Lessons & assessments on the Nine Elements of Good Digital Citizens & refresh their DDL yearly	Students will continue to follow & model the Nine Elements of Good Digital Citizens	Lesson Plans will include Digital Citizenship Lessons. DDL software tracks successful program completion & refresh data	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, Teachers	N/A Digital Driver's License (DDL) Online curriculum & assessment program is free

Goal 2

District Curriculum will include projects that teach and demonstrate 21st Century Skills.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
District Curriculum will incorporate the Microsoft Office 365 Suite for use in completing class projects	School Projects will include Microsoft Office 365 projects & demonstrate 21st Century Skill Proficiency	Lesson Plans, observations & examples of student work including use of Office 365 Tools	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, Teachers	N/A Software is provided for free to Kentucky schools
Students & Staff will continue to leverage Google Docs, Google Classroom & similar online tools for class projects	21st Century Skill Proficiency will improve. School Projects will be more interactive & widely varied	Lesson Plans, observations & examples of Student work will demonstrate the use of Google Tools	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, Teachers	N/A Software is provided online for free
Include the use of Chromebooks, IPads, IPods, Digital Cameras, Student-Owned Devices (POD), Digital Projectors, AV Equipment & associated software for student projects	21st Century Skill Proficiency will improve. School Projects will be more interactive & widely varied	Lesson Plans, observations & examples of Student work will demonstrate the effective use of widely varied technology learning tools including personally owned devices.	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, Teachers	See Technology Goal 3
Students will participate in Dual Credit Online College Courses/Classes & use online resources to enhance learning	Students will learn how to successfully leverage online educational opportunities	Lesson Plans, more students using self-paced and "Dig Deeper" online learning opportunities	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, Teachers	General Funds $1,500.00
Maintain Student Technology Leadership Program	Student's modeling 21st Century Skills	District maintains STLP Program(s)	July 1, 2017 – June 30, 2018	STLP Supervisor(s)	General Funds $1,500.00
Paris 2.0 - Summit Based	Student's learning and modeling 21st	Student's produce quality digital content	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals,	General Funds $70,000.00

Individual Learning Initiative	Century Skills. Taking Charge of their own Learning, Experiencing Personal Growth, Increasing Personal Responsibility, Becoming College and Career Ready, Developing the Skills to be Successful, and Become Lifelong Learners.	and use electronic media to exemplify and present their understanding of academic content		Summit 2.0 Teacher/Coordinator(s), Classroom Teachers	
Project Lead The Way Computer Science Curriculum	Student Proficiency in computer theory, use, and design will improve	Lesson Plans, observations & online evaluation results	July 1, 2017 – June 30, 2018	Principal, Computer Science Teacher	See Technology Goals 3
STEM (Science Technology Engineering Mathematics) Educational Focus Initiative	Student Proficiency in Science, Technology, Engineering, and Mathematics will increase with the inclusion of real world based, technology enriched, hands on STEM lessons and learning Projects.	Lesson Plans, observations, student projects & online evaluation results	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, STEM Teacher/Project Coordinator(s), Classroom Teachers	General Funds $50,000.00

Student Technology Literacy Goals – Evaluation

The table above outlines a curriculum designed to assure that students are meeting the expectations of technology literacy by the 8th grade. The curriculum outlined is also designed to support and enhance the 21st Century Skills of critical thinking, communication, collaboration and creativity. Technology is so widely integrated into our daily learning activities that it is not feasible to include a complete list of all of the instructional materials and electronic resources used to support the learning goals and academic intervention strategies in our district.

Although our district consistently includes technology hardware and software in our yearly budget we fully recognize that technology is not an end goal but the means to reach a goal. Our curriculum is designed to support and enhance 21st Century Skills of critical thinking, communication, collaboration and creativity. Our technology plan formalizes our continuing attempts to take every advantage of modern technological equipment by providing technological experiences which support the present and continuing success of our students and staff members.

Our administrators and staff maintain a steady stream of communications concerning the success of our students and consistently seek intervention methods to assist our students toward academic success. The process of gathering, using and sharing this data is a daily activity in which all parties participate as equal partners.

This section of our technology plan is evaluated every year. It is also reviewed at the beginning of each school year, whenever budgets are edited and re-approved, whenever educationally relevant legislation is approved, and whenever goals are met or must be changed or removed.

Staff Training/Professional Development Goals

Our district encourages and provides the necessary resources to ensure that our staff knows how to use new and existing technologies to improve education.

Goal 1

Off site training opportunities and conferences are attended regularly

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Superintendent, Instructional Supervisor, CIO, DTIS & Support Staff attend professional meetings	Administrators & support staff will be informed about the direction of instructional technology in our region and promote successful programs in our schools	Certificates of participation & PD summary reports will provide proof of attendance	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, Attendees	General Funds $1,000.00
Teaching staff attend off site PD as needed to stay abreast technology use in education	Teachers will successfully integrate educational technology into their classrooms	Certificates of participation & PD summary reports will provide proof of attendance	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals	General Funds $1,000.00 Title I $2,000.00 Flex 1 $2,000.00 Perkins Funds $5000.00
Central Office Staff & Principals will attend Off site PD to stay abreast of new laws and receive training to increase their knowledge and efficiency	Central Office Staff, Principals & Board Members will be informed about new laws and trends in educational technologies so that they can complete their work more efficiently and make informed decisions about	Certificates of Participation & official notifications from PD providers will provide proof of attendance	July 1, 2017 – June 30, 2018	Superintendent, Principals, Board Members	General Funds $1,000.00

	the present and future direction of technology education in our district.				
Our technology staff will attend KYSTE conferences as well as other off site PD as needed to stay abreast technology use in education	Technology staff will be informed about new educational technologies so that they can better support it & assist teachers with implementation	Certificates of participation & PD summary reports will provide proof of attendance	July 1, 2017 – June 30, 2018	Superintendent, Chief Information Officer, District Technology Integration Specialist	General Funds $2,000.00
Paris 2.0 (Summit) Program Teacher & Principal Training	Teachers and Principals will be properly prepared to implement this program to increase student academic success	Paris 2.0 will be used as an instruction delivery method in 8-12 grade classes	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, Teachers	Title 2 $12,000.00
MAP Training for Teachers	Teachers and Principals will be properly prepared to implement MAP assessments to increase student academic success	Teachers will use MAP assessment to determine how well students have mastered lessons	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, Teachers	General Funds $1,500.00
GradeCam Coach Training	Teacher Coach will be properly prepared to train Teachers to use of GradeCam to increase student academic success	Gradecam Coach will assist Teachers in the use of Gradecam assessments to determine how well students have mastered lessons	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, Teachers	Race To The Top $2,000.00
GradeCam Training for PGES Administrators	Principals will be properly prepared to train Teachers to use of GradeCam to increase student	Principals will assist Teachers in the use of Gradecam assessments to determine	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, Teachers	Race To the Top $1,600.00

	academic success	how well students have mastered lessons			

Goal 2

Staff members will be provided with onsite training in instructional technology. The district will continue to provide a District Technology Integration Specialist (DTIS), encourage peer instructional education tutelage and provide several online instructional resources to staff members.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
District Technology Integration Specialist will be provided and remain onsite to offer instructional technology assistance & training to teachers	Teachers will have local access to a knowledgeable Technology Integration Specialist	Teacher Lesson Plans & walkthrough observations by administrators will show technology integration	July 1, 2017 – June 30, 2018	Board Of Education Superintendent, Chief Academic Officer, District Technology Integration Specialist	District Technology Integration Specialist Salary General Funds $28,000.00
Teacher Technology Representatives (Leaders) will continue to model outstanding Technology Integration in their classrooms & offer support & assistance to their peers	Teachers will be able to learn how to best leverage classroom technology for their grade level from their peers	Teacher Lesson Plans & walkthrough observations by administrators will show technology integration	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals, Teacher Representatives	N/A This is a voluntary position
Microsoft Office 365 Training will be provided to staff members	Staff will be able to Leverage Office 365 software to improve student learning	Sign-in sheets will provide proof of attendance	July 1, 2017 – June 30, 2018	Chief Academic Officer, District Technology Integration Specialist, Principals	N/A Online software is provided for free by Microsoft & KDE. Training is provided by in District Trainers
Google Documents, Google Classroom & Google Drive Training will be provided to staff members	Staff will be able to Leverage Google software to improve student learning	Sign-in sheets will provide proof of attendance	July 1, 2017 – June 30, 2018	Chief Academic Officer, District Technology Integration Specialist, Principals	N/A Online software is free from Google. Training is provided by in District Trainers

Professional Growth & Effectiveness System software will be provided to staff members and they will be trained on its use	Teachers will have access to the results of walkthroughs by administrators to help them pinpoint where they may improve their performance as educators. From this data they will be able to set personal educational goals for themselves & monitor their progress online	Goals and benchmarks are observable in the logs of this software	July 1, 2017 – June 30, 2018	Chief Academic Officer, Principals	N/A Online software is provided for free by KDE

Staff Training/Professional Development Goals – Evaluation

The above table outlines many of the opportunities for training and professional development that are provided for our district staff and the means by which these activities are monitored. However due to our continuing attempts to provide individualized training on demand we cannot provide a complete and comprehensive listing of all of the training opportunities we will offer to our staff in the 2015- 2016 school year.

Our staff members are given access to professional development in many forms. Locally they are provided with an onsite District Technology Integration Specialist, onsite PD classes and the ability to participate in online training and educational communities. Other options for professional growth include opportunities to attend conferences, off site PD classes, and professional meetings.

From these experiences we hope to supply our teachers with the tools and knowledge necessary to develop and utilize innovative strategies for the delivery of specialized and rigorous academic courses and curricula. It is our intention to leverage these skills as the means to achieve academic success and enhance the development of the 21st Century Skills of critical thinking, communication, collaboration and creativity for all of our students.

Our administrators and staff maintain a steady stream of communications concerning the success of our teachers. Lesson plans are regularly checked and classroom observations occur several times each year. Staff members receive a yearly evaluation and are given the opportunity to express their own opinions on their personal performances. As part of this evaluation teachers are offered the opportunity to create a personal growth plan and request specific assistance in the form of topic specific Professional Development opportunities. The process of gathering, using and sharing this data is a daily activity in which all parties participate as equal partners.

This section of our technology plan is evaluated every year in the October-January time frame. It is also reviewed at the beginning of each school year, whenever budgets are edited and re-approved, whenever educationally relevant legislation is approved, and whenever goals are met or specific elements of the plan must be updated, changed or removed.

Technology Goals

* indicates payment #5 of a 5 year interest free payment plan for our **2013-2014 Infrastructure Improvement Project**.

Goal 1
Update, strengthen and maintain the district's network, communication and data management infrastructure.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Maintain the switching hardware in the district's wiring closets.	Fast reliable access to locally stored & online instructional resources	Staff feedback indicating improved reliability & increased access speeds	July 1, 2017 – June 30, 2018	Chief Information Officer	*General Funds $12,000.00
Update & maintain the district's voice communication hardware (telephone) system	Regular contact with parents via classroom and office telephones	Teacher parent contact call logs	July 1, 2017 – June 30, 2018	Chief Information Officer, Principals, Maintenance Staff	General Funds $2,020.00
Provide staff to keep the district's network and telephone equipment modern and running properly	Increased "Up Time" of district owned network hardware	Minimal time spent by tech staff on local network repair issues	July 1, 2017 – June 30, 2018	Board Of Education, Superintendent, Chief Information Officer	Chief Information Officer Salary General Funds $20,000.00

Goal 2

Deliver fast, reliable and equitable network access anywhere on our campus.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Provide & maintain fast reliable network access to all district buildings either via fiber or wireless (bridge) solution	Fast reliable access to locally stored & online instructional resources from all district buildings	District LAN/WLAN network is available in all district buildings	July 1, 2017 – June 30, 2018	Board Of Education, Superintendent, Chief Information Officer	*General Funds $5,237.46
Provide & maintain fast reliable LAN access including wiring, ports, hardwired & wireless access to district classrooms, conference rooms, cafeterias, gymnasiums & offices	Fast reliable access to locally stored & online instructional resources for staff & students including the use of personally owned network capable devices	District network ports are available & WLAN signal is strong in each district classroom, conference room & office	July 1, 2017 – June 30, 2018	Board Of Education, Superintendent, Chief Information Officer	*General Funds $12,453.46
Provide & maintain Transparent Proxy Services to allow any network capable device to access our wireless network and to provide filtering of inappropriate network traffic	Students, staff, and guests will be able to connect to our network with any network capable device including devices that do not allow for proxy settings	Observations of a wide variety of network capable devices tailored to individual needs in use in our district	July 1, 2017 – June 30, 2018	Board Of Education, Superintendent, Chief Information Officer	N/A The Kentucky Department Of Education provides Lightspeed hardware and services for this purpose
Provide & maintain Virus Protection Software and automatic software updates for district owned hardware	District devices will not be infected with computer viruses that slow learning or result in the loss of instructional data	Observations of Virus software and up to date Operating system and other software running on workstations and servers	July 1, 2017 – June 30, 2018	Board Of Education, Superintendent, Chief Information Officer	KETS $2,000.00
Provide & Maintain Licensing	District Network devices will run	Observations of up to date	July 1, 2017 – June 30, 2018	Board Of Education,	GF $1,617.65

for Network Management Software and pay support fees for network hardware and software	efficiently with minimal down time	and functional network equipment		Superintendent, Chief Information Officer	KETS $1,402.01

Goal 3

Provide the necessary technology, hardware, software, services, online communication tools, and policies to allow students, staff and parents to make the most effective use of district technology resources to improve student learning.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Provide & maintain modern technology hardware including servers, workstations, n-computing devices, mobile multimedia internet capable devices, AV equipment, and peripherals	Staff members will have access to widely varied technology to support individualized learning and multiple learning styles. Students will develop 21st Century Learning Skills and be more actively involved in the learning process	Observable Use of widely varied district owned technology devices by Staff/Students for classroom & administrative activities	July 1, 2017 – June 30, 2018	Board of Education, Superintendent, Chief Information Officer , Principals, Teachers	Chromebook refresh and inclusion of 8th Grade Students. (150 Devices) Title I $44.856.00 Chromebook Replacement Adapters Title I $404.94 Project Lead the Way Hardware (Computer Science Class) PLTW Grant $25,000.00 Workstations, Laptops, & Peripherals including the replacement of Vista Workstations GF $12,000.00

					KETS $7,840.00
					Server Maintenance & Support GF $1,617.65 KETS $2,000.00
					Hardware Maintenance & Support Services KETS $2,000.00
					AV/Intelligent Classroom Maintenance & Support KETS $3,000.00
					ID Badge Hardware Maintenance & Support Safe Schools $350.00
					PES Projector Bulbs PES SBDM $750.00
Provide & maintain high quality administrative software & licensing	Administrative software will provide efficient and accurate data management	Consistent use of high quality administrative software in district classrooms, offices, libraries and cafeterias	July 1, 2017 – June 30, 2018	Board of Education, Superintendent, Chief Information Officer	Munis District Financial Software GF $5,244.72 Munis E-Stub GF $3,625.00 Munis ACA Tracking Software/PSST Payroll

					GF $4,950.00
					Infinite Campus Information System GF $4,480.10
					Property Tax Software GF $2,208.00
					School Financial Software (All 3 Schools) Elementary, Middle, & High School Allocated Funds $504.00
					Netcha Talent Recruitment & Online Job Application Software GF $630.00
					Lunch Box Food Service Software Food Services Funds $1,200.00
					Google Chromebook Management Software Title I $4,050.00
					Surpass Library Management Software

					Library Funds $350.00
Provide & maintain voice services and online communication tools & services such as websites, facebook pages, google classroom announcement pages, School Messenger parent notification system, and IC Parent & Student Portal.	Interested parties will know what is happening in our schools & be able to easily find school related information. Parents will receive phone, text and e-mail notifications about school activities & be able to check their children's progress at anytime via IC Parent Portal. IC Student Portal will allow students to monitor their own academic progress.	Observable use of voice and online communication tools to keep students, parents, staff, community members & potential students informed about school related activities	July 1, 2017 – June 30, 2018	Board of Education, District & School Administrators, Public Relations Specialist, Teachers	Local & Long Distance Phone Services GF $12,034.46 E-rate (Pending Approval) $3,008.62 Five Oaks Website Design & Support GF $720.00 Facebook Pages N/A Free School Messenger GF $1,425.00 Infinite Campus Parent & Student Portal N/A included in IC Information System (see S4 G3 I2)
Provide Policies and Acceptable Use Agreements that allow and encourage the responsible use of personally owned network capable devices for educational use on school property	Students/Staff will have access to 21st century learning tools as well as a BYOD option & a clear understanding of expected behaviors when using technology in our schools	Observable instructionally sound use of personally and district owned technology devices by Staff/Students for classroom & administrative activities	July 1, 2017 – June 30, 2018	Board of Education, Superintendent, Chief Information Officer , Principals, Teachers	General Funds $100.00
Provide appropriate staff to maintain	District's Hardware, Software,	Observable use of District's Hardware,	July 1, 2017 – June 30, 2018	Board Of Education , Superintendent	Chief Information Officer,

technology hardware, software, communication services, & online communications	Communication Services, & Online Communications will be supported and maintained	Software, Communication Services, & Online Communication tools			Technician, & Public Relations Specialist Salaries GF $50,000.00

Technology Goals – Evaluation

Our district provides educational technology opportunities, and maintains the hardware and software that supports those opportunities, for the express purpose of improving learning and preparing our students for future success. We have a clear understanding of the uniqueness of each individual and respect the fact that each student learns differently. Technology offers our students a wide variety of learning experiences and challenges and prepares them to be successful in the modern world. It also offers our staff an endless array of teaching tools and educational resources to meet the needs of our students.

Although we will continue to maintain the hardware, software and 21st century classrooms we already have in our schools we feel that we must also prepare for future growth and new educational opportunities. In order to support our district's vision for an up to date, technology-rich educational environment we have devised a step by step plan to achieve our technology goals. In order for our staff and student to leverage the incredible variety of educational resources available in the cloud we must first provide fast, efficient and reliable network access throughout our campus. Next we must provide computers and network capable devices so that our staff and students can access that network. Finally we must prepare our students, staff and administrators to use these readily available resources effectively and safely.

In order to ensure compatibility of interconnected systems we have chosen experienced vendors who have successfully deployed these sorts of systems and programs in other schools in our region. Our planning meetings include not only these venders but also our Regional KETS engineer who has an excellent working knowledge of KETS and KEN standards, our Superintendent and a representative of our local technology staff.

As detailed in the table above our infrastructure update included new switches, a virtualized server environment and wireless deployment throughout our district. Now that this foundation step is completed we have begun the process of making modern devices readily available in our classrooms. We have also begun our move toward increasing network availability by providing hardwired and wireless devices to our teachers and students which include both one to one initiatives and a Bring Your Own Device (BYOD) environment. Along with this move we have provided both Professional Development opportunities for our staff and Digital Citizenship training for our students. Although we have begun implementation of many of the steps along our plan to achieve our technology goals, there is still a strong need to make certain that our policies clearly define what is expected of staff and students as they grow and use the technology opportunities they have been given.

The indicators of success for the physical aspects of our technology plan will be easily evaluated by a simple check list. Our teachers' lesson plans and evaluations as well as their regular use of educational resources and learning communities online will provide the best indicator of technology integration into our curricula and instruction. Improved test scores for our students on state testing will prove that we have succeeded in providing them with the technology-rich educational environment which promotes individual mastery of 21st Century Skills.

Budget Summary

Budget details are in the tables above under the corresponding goals. E-rate opportunities included in the below table are further explained in the budget summary narrative below. The budget totals listed below are misleading because successful technology integration is a collaborative effort which includes many high quality free opportunities to our district. The district's hardware and software, especially network hardware and software, must be strong and well maintained to provide for the successful delivery of network accessible resources to our classrooms and offices. Therefore budget allowances should not be used as an indication of the relative importance of technology goals.

Acquired Technologies and Professional Development	Ed Tech Competitive Title IID	Ed Tech Formula Title IID	E-Rate	NCLB/other than Title IID	KETS	Other (Specify)
Curriculum & Instructional Integration						$33,154.42
Student Technology Literacy						$123,000.00
Staff Training/Professional Development						$59,100.00
Technology			$3,008.62		$19,242.00	$239,828.44
TOTAL						$477,333.48

Budget Summary – Narrative

Budgeting for our school district is a very complex process. Our staff members, programs and departments work together to leverage funding in the most efficient way possible. Due to serious funding cuts at the national and state levels our local budget has been stretched much further in recent years. Many grant and other programs are feeling this stress as well and have been forced to reduce the amount of funding assistance they can provide to individual applicants, have drastically reduced the number of applicant's they are able to assist, or have drastically reduced the types of equipment and services applicants may acquire with the funds that are offered.

We have always been conservative and responsible with our technology resources, but funding forecasts for the coming years are expected to bring even more cuts to educational programs. In recent years we have been forced to reduce the quantity of new equipment purchased for our district in favor of improving our technology infrastructure and supporting and maintaining the older equipment we already own. However, our aging equipment is still a major concern and maintaining and properly disposing of older electronic devices devices has become expensive and labor intensive. Now that our infrastructure is up to date we have begun to address the need for newer end user devices and are researching and leveraging cloud based hardware options to help us alleviate this shortcoming. Changes is some laws governing certain funding sources have allowed us to use pre-existing funding sources for new technology purchases. Unfortunately many textbook vendors and assessment organizations are not keeping pace with modern educational needs and are not willing to move forward to electronic textbook content and cloud only assessment solutions. This forces our district to purchase old style, easily outdated textbooks and expensive desktop computer workstations that are not mobile for use in electronic assessments.

Although the tables under each goal above offer a detailed explanation of our expected technology budget for the January 2017 – July 2018 time frame, e-rate funding has not been included in those items. This is because e-rate is phasing out assistance with any form of voice communications or hardware and focusing on providing infrastructure upgrade assistance. Our district is part of a state program that provides free meals to every student and has no present need for infrastructure upgrades.

Although we will continue to apply for e-rate assistance for voice services, we expect that our infrastructure project will remain at its present more conservative and locally funded level within the technology plan. We have decided to postpone any further discussions of a Voice-Over-IP telephone system upgrade until our present Infrastructure loan is paid off in the the 2017-2018 school year. The final installment on the five year loan payment for our Infrastructure Upgrade Project has been included in the "Other" column of the Budget Summary Table. However, we have decided that the uncertainty of future funding for educational programs and present construction expenses demand that we plan our local spending for internal connections and new end user devices far more conservatively for the 2017-2018 school year.

Attachments/Appendices