

Technology Plan
Paris Independent School District
310 West 7th Street
Paris, Kentucky 40361



<http://www.paris.kyschools.us>

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Acknowledgments

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The Paris Independent Board Of Education is expected to approve the first draft of this plan on May 22, 2018. Budget items are estimated using data from previous years, estimated federal or state funding, e-rate approvals for 2018-2019, and expected grant money. Update dates will be included on the front of this document as they occur.

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Executive Summary

The ultimate goal of this component of the Paris Independent Comprehensive District Improvement Plan is to formalize our intentions 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.

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 most beneficial uses of these tools, and to maintain good communication among all interested parties by leveraging both online and verbal communication tools.

In the coming year we will be focusing on updating aging end user devices and moving our one to one initiative into our 6th and 7th grade classes. We will continue to take full advantage of Google Apps for Education which includes email, free productivity software, the Google Classroom Learning Management System, and unlimited online storage with Google Drive. We will continue using quality educational software to enhance student success and monitor student achievement in our district.

In order to support our continuing one to one initiative and leverage online learning opportunities we must maintain a fast and reliable network. In order to continue to provide this service we have applied for and received approval for E-rate funding to refresh our network and wireless infrastructure in the coming year.

Our district will also 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 Summit individualized learning Initiative to assure that our students 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 provide access to online teaching and learning resources including educational communities, and increase our use of teacher-led training to assist us in providing professional development opportunities via multiple delivery methods. Offsite Professional Development will also be available to teachers in the coming year including district funded assistance for staff members seeking to become Google Certified Educators (GAFE Certified).

We will continue to improve communication between the district, parents, and the larger community with regularly scheduled open house meetings, parent teacher conferences, personal telephone communications, an automated calling system, by providing articles to the local newspapers, and by maintaining Facebook pages and a district website.

Planning Process and Methodology

The technology planning process for this document begins with the creation of a draft based upon last year's plan and discussion of future goals with the academic leadership in the district. The first draft of 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 KETS 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 District Technology Coordinator (DTC) 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 maintained our network backbone (LAN) and continue to provide effective wireless coverage (WLAN) throughout our district. With the installation of fiber to our new Athletic Building we have completed our goal to connect all of the buildings in our district via high speed, district owned fiber. 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.

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.

We have managed to maintain a one to one Chromebook initiative for our High School students and were able to add our 8th grade students to the initiative. We have also managed to provide Chromebooks to every teacher in the district. The Keenan Grant and local funding has allowed our elementary school to acquire a shared Chromebook cart with 35 touch screen Chromebooks this year. The shared mobile cart design is working beautifully for our elementary school and we hope to add another mobile Chromebook cart in that school next year. Unfortunately, we were not able to provide Chromebooks for our 6th and 7th grade students for the 2017-2018 School Year.

We were not able to purchase any new 21st Century Classrooms this year. We would like to have more 21st Century Classrooms, but must spend our funds carefully. 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 are investigating options with lower costs of ownership, but have not yet made any decisions on this matter.

Our aging internal phone system continues to be an issue; because we were unable to get assistance from an energy conservation grant to replace this older system with a VOIP option during the 2016-2017 construction project. Our Internal phone system will reach End

Of Life on June 30, 2018 and the vendor has recently informed us that the maintenance contract will be discontinued at that time. We are seeking an independent vendor partner to maintain this system while seeking estimates to replace it. The costs involved with the maintenance or replacement of our internal phone and voice mail system may force us to scale back many of our planned projects for the 2018-2019 school year.

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 2013 and again in December of 2015. 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 and wireless 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. Long term 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 will be End of life on June 30, 2018 and we are seeking 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. Our Elementary school has a virtual computing lab and a mobile Chromebook cart with 35 touch screen Chromebooks. We also have a virtual computing lab in our middle school. The shared high/middle school library also contains several 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, most 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 8th - 12th grade students are presently at a one to one ratio with Chromebooks. Students are allowed to take these devices home. A list of available free Wi-Fi in our area is included with the yearly orientation for this initiative. We hope to expand the one to one Chromebook initiative to our 6th - 7th grade students in the 2018-2019 School Year

We have many district-owned iPads available for student use in our district. Each of these has filtered and monitored WWW access via our WLAN. Of those 99 are in use by students at the elementary school and the others are generally contained in mobile carts primarily used by our middle school students. These devices do not go home with students, are long out of warranty, and their iOS can no longer be updated.

Each member of our teaching staff has a district provided Chromebook and many still have and use a district provided iPad or iPad mini in their classroom(s) as well. This is also true for many of our administrative staff. District owned iPods are used in some middle and elementary school classrooms and are also used by students after hours. 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 evaluation.

District technology staff members have been unable to attend any PD gatherings beyond monthly CKATC meetings and occasional free trainings for the past two years due to a lack of funding, but would like to be able to attend the spring and fall CKATC technology conferences each year as well as professional meetings and other technology training as needs 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.

Goal 1

Provide High Quality Instructional Software to address differing learning styles in our classrooms.

Action Plan: Projects/Activities

Project/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Preschool Curriculum Software (2-4 year old students)	Our youngest students will be interested and engaged in learning setting the pace for success throughout their academic careers.	Inclusion of the program in Lesson Plans. Observations by school Principal.	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers	Idea Pre \$313.50
A to Z Learning Software (Grades K-5)	Students will be interested and engaged in learning. Student mastery of the subject will improve.	Inclusion of the program in Lesson Plans. Observations by school Principal.	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers	SBDM Allocated – PES \$209.90
Accelerated Reader Software (Grades K-5)	Students will be interested and engaged in learning. Student mastery of the subject will improve.	Inclusion of the program in Lesson Plans. Observations by school Principal.	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers	General Funds \$2,907.50
Great Minds Software (Grades K-5)	Students will be interested and engaged in learning. Student mastery of the subject will improve.	Inclusion of the program in Lesson Plans. Observations by school Principal.	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers	SBDM Allocated – PES \$2,990.00
Lexia Online Software (Grades K-5)	Students will be interested and engaged in learning. Student mastery of the subject will improve.	Inclusion of the program in Lesson Plans. Observations by school Principal.	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers	SBDM Allocated – PES \$650.00
Social Studies Alive Software (Grades K-5)	Students will be interested and engaged in learning. Student mastery of the subject will improve.	Inclusion of the program in Lesson Plans. Observations by school Principal.	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers	SBDM Allocated – PES \$200.00

Star Reading/Math Software (Grades K-5)	Students will be interested and engaged in learning. Student mastery of subjects will improve.	Inclusion of the program in Lesson Plans. Observations by school Principal.	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers	General Funds \$5,000.00
Zearn Software (Grades K-5)	Students will be interested and engaged in learning. Student mastery of the subject will improve.	Inclusion of the program in Lesson Plans. Observations by school Principal.	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers	SBDM Allocated – PES \$2,500.00
Moby Max Software (Grades 6-8)	Students will be interested and engaged in learning. Student mastery of the subject will improve.	Inclusion of the program in Lesson Plans. Observations by school Principal.	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers	SBDM Allocated – PMS \$400.00
IXL Math Software (Grades 9-12)	Students will be interested and engaged in learning. Student mastery of the subject will improve.	Inclusion of the program in Lesson Plans. Observations by school Principal.	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers	SBDM Allocated – PHS \$1,080.00
Verneir Science Software (Grades 9-12)	Students will be interested and engaged in learning. Student mastery of the subject will improve.	Inclusion of the program in Lesson Plans. Observations by school Principal.	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers	SBDM Allocated – PHS \$161.02
Microsoft Office Standard Edition Licensing (Imagine Academy 9-12)	Productivity software will assist students in the completion of coursework and prepare them for business careers.	Inclusion of the program in Lesson Plans. Observations by school Principal.	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers	General Funds \$450.00
Summit Online Learning Initiative (Grades 6-12)	Students will be interested and engaged in learning. Student mastery of subjects will improve.	Inclusion of the program in Lesson Plans. Observations by school Principals. The Summit Software tracks successful lesson completion data	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers	Continuation of this program from previous years is provided at No Cost

Goal 2

Provide assistive/ adaptive, credit recovery, evaluation, and classroom management software

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Aimsware Software by Pearson (Assistive Adaptive)	Students will be interested and engaged in learning. Student mastery of subjects will improve.	Inclusion of the program in Lesson Plans and/or Individual Educational Instruction Plans. Observations by Special Needs Director	July 1, 2018 – June 30, 2019	Chief Academic Officer, Special Needs Director, Principal, Teachers	Medicaid Maximus \$600.00
Literacy Initiative (Credit Recovery)	Improvement in reading skills will allow students to leverage multiple methods of online or software based credit recovery	Inclusion of the pertinent portions of the program in Lesson Plans. Observations by school Principals.	July 1, 2018 – June 30, 2019	Special Needs Director, Chief Academic Officer, Principal, Teachers	Initiative is supported by other portions of the Technology Plan
Map Online Evaluation Software (Grades k-12)	Regular online evaluations will give teachers immediate feedback so they can tailor lessons to review any coursework that students have not yet mastered	Inclusion of MAP evaluation software in Lesson Plans. Observations by school Principals.	July 1, 2018 – June 30, 2019	Chief Academic Officer, Principal, Teachers, School Councilors Chief Academic Officer, Principal, Teachers	General Funds \$4,625.00
Classroom Orchestrator Web Browsing Management Software from Lightspeed (Grades 6-12)	Students will be on task when accessing the World Wide Web in classrooms. Student mastery of subjects will improve	Observations by school Principals.	July 1, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principal, Teachers	General Funds \$3,000.00

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. Lessons include the "Nine Elements of Good Digital Citizenship."	Students will become responsible & informed Digital Citizens	Teacher Lesson Plans, Successful Digital Citizenship Lesson completion by students	July 1, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principal, Teachers	Digital Citizenship Curriculum is teacher created & based upon free online resources
Digital Driver's License (DDL) online Digital Citizenship curriculum is used in Grades 4-12	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, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principal, Teachers	Digital Driver's License (DDL) Online curriculum & assessment program is free

Goal 2

K-12 Students will be taught 21st Century Skills

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Office.Live.com will continue to be available to complete Course work	School Projects will include Microsoft Office 365 projects & demonstrate 21 st Century Skill Proficiency	Lesson Plans, observations & examples of student work including use of Office 365 Tools	July 1, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principal, Teachers	Software is provided for free to Kentucky schools
Students & Staff will continue to leverage Google Productivity Software, Google Mail (GMail) Google Classroom & similar online	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, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principal, Teachers	Software is provided online for free from Google

tools for class projects					
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, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principal, Teachers	See Technology Goal 3
Maintain Student Technology Leadership Program	Student's modeling 21st Century Skills	District maintains STLP Program(s)	July 1, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principal, STLP Instructors	General Funds \$1,500.00
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, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principal, Teachers	General Funds \$1,500.00
Business / IT Career Path Program	Student's learning and modeling 21 st Century Skills, producing quality digital content, 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.	Student's produce quality digital content and use electronic media to exemplify and present their understanding of academic content	July 1, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principal, Business/ IT Teacher	General Funds \$70,000.00
Microsoft Imagine Academy	Students will learn to use and become certified in the Microsoft Office Productivity Suite and other Microsoft Products.	The number of Microsoft Certified Students and Staff will increase	2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principal, Business/ IT Teacher	The program is free from KDE and Microsoft. The district will be responsible for providing hardware, software, and an instructor. See item above, Curriculum and technology sections..

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 student 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 student academic and career success.

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, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principal, Attendees	General Funds \$1,500.00
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. Observations by Principals.	July 1, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principal, Attendees	General Funds \$3,000.00 Title I \$2,000.00 Perkins Funds \$5,000.00
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 the present and future direction of education in our school district.	Certificates of participation & official notifications from PD providers will provide proof of attendance	July 1, 2018 – June 30, 2019	Superintendent, Principals, Board Members	General Funds \$1,000.00
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, 2018 – June 30, 2019	Superintendent, District Technology Coordinator	General Funds \$1,000.00
Paris 2.0 (Summit) Program Teacher & Principal Training	Teachers and Principals will be Properly prepared to implement this	Paris 2.0 will be used as an instruction delivery method	July 1, 2018 – June 30,	Chief Academic Officer, District Technology Coordinator,	Title 2 \$6,000.00

	program to increase student academic success	in 6-12 grade classes	2019	Principal, Teachers	
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, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principal, Teachers	General Funds \$2,500.00

Goal 2

Staff members will be provided with onsite training in instructional technology. The District Technology Coordinator will schedule and provide onsite educational technology PD and encourage peer instructional education tutelage. The district will also provide online instructional resources to staff members. The District Technology Coordinator and Principals will make sure that staff members are aware of these online learning opportunities. The Chief Academic Officer and Principals will assure that staff members participate in onsite and online training opportunities

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
District Technology Coordinator will provide onsite instructional technology assistance & training to teachers	Teachers will have local access to a knowledgeable Technology Specialist	Teacher Lesson Plans & walkthrough observations by administrators will show technology integration	July 1, 2018 – June 30, 2019	Board Of Education Superintendent, Chief Academic Officer, District Technology Coordinator	District Technology Coordinator's salary is included under the technology section of this plan
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, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator, Principals, Teacher Representatives	General Funds \$2,500.00
Google mail, Google Productivity Software, Google Classroom & Google Drive Training will be provided to staff members. District will assist in the purchase of GAFE Certification Tests for Staff members.	Staff will be able to Leverage Google software to improve student learning	Sign-in sheets will provide proof of attendance. The number of Google Certified Educators in our district will increase. The online Google Certification Software tracks successful lesson completion data.	July 1, 2018 – June 30, 2019	Chief Academic Officer, District Technology Coordinator Principals, Teacher Representatives	General Funds \$1,500.00

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 2018- 2019 school year.

Our staff members are given access to professional development in many forms. Locally they are provided with an onsite District Technology Coordinator, onsite PD classes, the ability to participate in online training, and access to online 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

In order for our staff and student to leverage the incredible variety of educational resources available via technology software and in the cloud our school district will provide fast, efficient and reliable network access throughout our campus. We will provide modern computers and network capable devices so that our staff and students can access the World Wide Web. Communications will be kept open, effective administrative software will be provided, and technical staff will be provided to keep our equipment running.

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
Update the District's switching hardware, wireless controllers, and Access points	Fast reliable access to locally stored & online instructional resources	Staff feedback indicating improved reliability & increased access speeds	July 1, 2018 – June 30, 2019	District Technology Coordinator	ERate \$66,149.90 KETS \$15,790.01 General Funds \$18,030.56
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, 2018 – June 30, 2019	District Technology Coordinator, 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, 2018 – June 30, 2019	Board Of Education, Superintendent, District Technology Coordinator	District Technology Coordinator's salary is included under the technology section of this document

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
Purchase Network Equipment Maintenance Agreements (Switches, APs, Wireless Controllers & Other Network Hardware)	Fast reliable access to locally stored & online instructional resources from all district buildings	District LAN/WLAN network is available in all district buildings. WLAN signal is strong in each district classroom, conference room & office	July 1, 2018 – June 30, 2019	Board Of Education, Superintendent, District Technology Coordinator	KETS \$2,338.82

Purchase Network Equipment Licensing, Management, and Support Fees (Software)	Fast reliable access to locally stored & online instructional resources from all district buildings	District LAN/WLAN network is available in all district buildings. WLAN signal is strong in each district classroom, conference room & office	July 1, 2018 – June 30, 2019	Board Of Education, Superintendent, District Technology Coordinator	KETS \$3,591.17
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, 2018 – June 30, 2019	Board Of Education, Superintendent, District Technology Coordinator	KETS \$1,000.00
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, 2018 – June 30, 2019	Board Of Education, Superintendent, District Technology Coordinator	The Kentucky Department Of Education provides Lightspeed hardware and services for this purpose at no cost to Kentucky school districts
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, up to date Operating Systems, and other software running on workstations and servers	July 1, 2018 – June 30, 2019	Board Of Education, Superintendent, District Technology Coordinator	The Kentucky Department Of Education provides Automated McAfee Virus software and E-Policy Orchestrator services for this purpose at no cost to Kentucky school districts

Goal 3

Provide the necessary technology, hardware, administrative 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	Students and Staff will have access to widely varied technology to support individualized learning and multiple learning styles. Students will develop 21 st 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, 2018 – June 30, 2019	Board of Education, Superintendent, District Technology Coordinator, Principals, Teachers	<p>Chromebook refresh and Management software expanded to include 6th-7th Grade Students. Title I \$40,000.00</p> <p>Workstations, Laptops, & Peripherals including the replacement of Vista and Windows 7 Workstations GF \$12,000.00</p> <p>Server Maintenance & Support KETS \$1,000.00</p> <p>Hardware Maintenance & Support Services KETS \$1,000.00</p> <p>AV/Intelligent Classroom Maintenance & Support KETS \$2,000.00</p> <p>ID Badge Hardware Maintenance & Support Safe Schools \$350.00</p>
Provide & maintain high quality administrative software & licensing	Administrative software will provide efficient and accurate data	Consistent use of high quality administrative software in district	July 1, 2018 – June 30, 2019	Board Of Education, Superintendent, District Technology Coordinator	<p>Munis District Financial Software GF \$5,244.72</p> <p>Munis E-Stub</p>

	management	classrooms, offices, libraries and cafeterias			<p>GF \$3,625.00</p> <p>Munis ACA Tracking Software/PSST Payroll GF \$4,950.00</p> <p>Infinite Campus Information System GF \$4,480.10</p> <p>Property Tax Software GF \$2,208.00</p> <p>School Financial Software (All 3 schools share cost) Elementary, Middle, & High School Allocated Funds \$504.00</p> <p>Netcha Talent Recruitment & Online Job Application Software GF \$630.00</p> <p>Lunch Box Food Service Software Food Services Funds \$1,200.00</p> <p>Surpass Library Management Software Library Funds \$350.00</p>
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	Observable use of voice and online communication tools to keep students, parents, staff, community members & potential students informed about school related activities	July 1, 2018 – June 30, 2019	Board of Education, District & School Administrators, District Technology Coordinator, Teachers	<p>Local & Long Distance Phone Services GF \$12,034.46</p> <p>Five Oaks Website Design & Support GF \$720.00</p> <p>Facebook Pages are free</p> <p>School Messenger GF \$1,425.00</p>

	anytime via IC Parent Portal. IC Student Portal will allow students to monitor their own academic progress.				Infinite Campus Parent & Student Portal included in IC Information System (see S4 G3 I2)
Provide Policies and Acceptable Use Agreements that 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, 2018 – June 30, 2019	Board of Education, Superintendent, District Technology Coordinator, Principals, Teachers	District Technology Coordinator's salary is included below.
Provide appropriate staff to maintain District's Hardware, Software Communication Services, & Online Communications	District's Hardware, Software Communication Services, and Online Communications will be supported and maintained,	Observable use of District's Hardware, Software, Communication Services, and Online Communication tools	July 1, 2018 – June 30, 2019	Board Of Education , Superintendent	District Technology Coordinator Salary \$80, 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 modern 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 vendors 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.

Our infrastructure update which began five years ago included new switches, a virtualized server environment, and wireless deployment throughout our district. Since last year was the fifth year of deployment for these devices in our district it is again time to renew. To that end we have applied for and received e-rate funding to upgrade our network switches and wireless network during the 2018-2019 school year. In future years we will upgrade the wiring and servers to keep up this pace.

With these foundation pieces completed we are continuing 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

Acquired Technologies and Professional Development	E-Rate	KETS	GF	Other	Other (Specify)
Preschool: Curriculum Software				313.50	IDEA PRE
A to Z Learning (K-5)				209.90	SBDM Allocated - PES
Accelerated Reader (K-5)			2,907.50		
Great Minds(K-5)				2,990.00	SBDM Allocated - PES
Lexia(K-5)				650.00	SBDM Allocated - PES
Social Studies Alive(K-5)				200.00	SBDM Allocated- PES
Star Reading/Math (K-5)			5,000.00		
Zearn (K-5)				2,500.00	SBDM Allocated - PES
Moby Max (6-8)				400.00	SBDM Allocated - PMS
IXL Math (9-12)				1,080.00	SBDM Allocated - PHS
Verneir- Science Software (9-12)				161.02	SBDM Allocated - PHS
Licenses for Microsoft Office Standard Edition for Microsoft Imagine Academy (6-12)			450.00		
Assistive/Adaptive: Aimsweb Software by Pearson				600.00	Medicade Maximus
MAP (Grades K-12)			4,625.00		
Classroom Orchestrator - 300 Licenses (Grades 6-12)			3,000.00		
Maintain STLP (All Schools)			1,500.00		
Include Dual Credit Online College Courses/Classes & Resources in Coursework			1,500.00		
Business / IT Career Path Program (Teacher Salary)			70,000.00		
Monthly Professional Meetings/Off Site PD for Leadership & Support Staff			1,500.00		

Off Site PD for Teaching Staff (New Staff or Initiatives)			3,000.00		
				2,000.00	Title 1
				5,000.00	Perkins
Off Site PD for Administrative Staff (Central Office, Principals)			1,000.00		
Off Site PD for Technology Staff			1,000.00		
Paris 2.0 (Summit) Program Teacher & Principal Training				6,000.00	Title 2
MAP Training for Teachers			2,500.00		
Teacher Technology Leaders			2,500.00	2,500.00	
Google Apps for Education Training & GAPE Certification			1,500.00	1,500.00	
Provide & Maintain Switching Hardware & Wiring (Switches, APs, & Network Controllers)	66,149.90	15,790.01	18,030.56	99,970.47	
Update & Maintain Voice Hardware & Maint (Windsream 135.00 month)			2,020.00		
Network Equipment Maintenance Agreements (Switches, APs, Wireless Controllers & Other Network Hardware) PO#10384		2,338.82			
Network Equipment Licensing, Management, and Support Fees (Software) PO#10384		3,591.17			
Wiring - LAN Port Installations & Cording for Classrooms, Conference Rooms, & Offices			1,000.00		
Chromebook Refresh				40,000.00	Title 1
Workstations, Laptops & Peripherals (Includes 7 Workstations/Laptops for Microsoft Imagine Academy)			12,000.00		
Maintenance & Support Services for Servers (Outsourced Labor hours & hardware)		1,000.00			
Maintenance & Support Services for Hardware (Outsourced Labor hours & hardware)		1,000.00			
Maintenance & Support for 21st Century Classrooms & AV (Outsourced Labor hours & hardware)		2,000.00			
Maintenance & Support for ID Badge Hardware				350.00	Safe Schools
Munis			5,244.72		
Munis E-Stub			3,625.00		
Munis ACA Tracking Software- PSST Payroll			4,950.00		
Infinite Campus Student Information			4,480.10		

System					
Property Tax Software			2,208.00		
School Financial Software (3 schools)				504.00	PES, MS, & PES Allocated
Netchana Talent Recruitment & Online Job Application Software			630.00		
Lunch Box Food Services Software				1,200.00	Food Services
Surpass Library Management Software				350.00	Library Funds
Local & Long Distance Phone Service			12,034.46		
Website Design & Support			720.00		
School Messenger			1,425.00		
District Technology Coordinator Salary			80,000.00		
	E-Rate	KETS	GF	Other	
Subtotals	\$66,149.90	\$25,720.00	\$250,350.34	168,478.89	
Total					510,699.13

Budget Estimates are based upon:

- 2016-2017 Technology Activity Report (TAR - 2015-2016 Spending Data)
- Paris Independent School District's 2017-2018 Draft Budgets (Including Salary Information)
- Estimated Software & PD Expenditures as reported by the Chief Academic Officer (CAO)
- Estimated Hardware Expenditures & Tech Dept. PD as reported by the District Technology Coordinator
- 2017-2018 KETS Funding Amount
- E-rate Funding Requests which were approved on May 4, 2018

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 has become expensive and labor intensive. 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 in 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.

As of June 30, 2018 the vendor provided maintenance plan on our older Norstar internal telephone and voice mail system will be discontinued because our equipment has reached end of life. We will seek independent maintenance options but will need to replace it with a more modern system within the next two years. We would like to replace it with a Voice-Over-IP telephone option. This issue may mean that we will not be able to leverage our previously approved e-rate funding to refresh our internal network equipment. It may also mean that our end user device upgrade and one to one initiative implementation will be far more conservative than planned for the coming year.

Attachments/Appendices (Optional)