Technology Plan 2015-2018
Preparing for the Future
Pulaski County Schools
Somerset, Kentucky

http://www.pulaski.net/programs/technology.asp

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Acknowledgments

This report results from the concentrated effort by the **District Technology Leadership Team** whose extraordinary dedication has brought the assigned project to completion. Most importantly, the District Technology Leadership Team extends its heartfelt thanks to the administrators, staff members, students, parents, and community members who assist our district in the integration of technology in instruction.

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Executive Summary

Each year the Pulaski County School System updates its Comprehensive District Improvement Plan (CDIP), in which general technology activities are embedded. This Technology Plan is a component of the district CDIP. The purpose of the Technology Plan is to provide detailed information regarding the district's technology vision and a plan of action to achieve its technology goals and vision.

The person responsible for coordinating the technology activities is the District Technology Coordinator in partnership with the Information Systems staff and the District Technology Leadership Team. The Leadership Team is comprised of the School Technology Coordinators, Library Media Specialists, Curriculum Specialists, district administration, and various student groups. The purpose of this team and this document is to help guide Pulaski County Schools as we work to improve student success. Developing substantial and well-grounded technology skills, and ensuring students are technology proficient, within relevant and rigorous content, fosters high level thinking that is essential for academic progress toward college and career readiness and success. Building the capacity of all staff to utilize today's technology is vital in ensuring the success of our students. This plan provides the foundation on which that success will be built.

In order to achieve our goals, it is imperative continuous training be provided throughout the district to all groups. The purpose of all training is to continually develop, implement and refine technology knowledge and skills in order to increase the integration of technology into curriculum, instruction, assessment and administrative processes. Utilizing technology to provide engaging, anytime-anywhere access will result in increased student achievement at all levels but ultimately translates to improvement in college and/or career readiness for graduates. Utilizing technology for administrative duties will increase efficiency and access to administrative staff.

Each school team provides technology leadership at the school level, but also assists district technology staff in the development of a vision for the entire school system. As part of the team's efforts, the current status of technology and its role in regard to students, faculty/staff, parents, and the community is communicated during meetings, electronic mail, and technology self-assessment. From a synthesis of the information collected, the vision was updated, and a set of goals and objectives were established to help the district achieve our mission. The mission of The Pulaski County School System is to provide a safe, supportive environment to meet the individual needs of all students and ensure they are college and/or career ready.

In order to support the district mission, the technology community within Pulaski County Schools will help build a learning community that promotes lifelong learning and technology literacy. Learners will be able to interact successfully in a technology rich environment with embedded information and communications technologies to achieve their personal, education and workplace goals. They will skillfully use technology to access, retrieve, and use information in a global society.

Planning Process and Methodology

Formal technology planning began in Pulaski County Schools in February, 1995. At that time members representing staff from central office and each district school met to discuss the district's needs for a clear technology plan and agreed that the development of a District Technology Plan was a priority. The original committee met and developed a vision statement, survey instrument, goals, and objectives. The first formal technology plan was established to coincide with these results.

Since 1995, the Kentucky Department of Education (KDE) has required a comprehensive district improvement plan from each district. The CDIP serves as the tool in which the district communicates its goals, priorities, and strategic activities to KDE, school stakeholders, and the community. As stated previously, the Pulaski County Technology Plan is a component of the CDIP, and its purpose is to provide a plan of action to achieve the district's technology vision and goals in addition to supporting other district goals as outlined in the CDIP.

The technology planning committee, consisting of representatives from central office and each district school, meets annually in person and virtually to review and revise The Pulaski County Technology Plan. The plan is evaluated throughout the year to monitor progress via the CDIP progress notes which are submitted tri-annually. The committee considers all data available in the review and planning process and plans accordingly in order to ensure that we continue to move toward the vision.

Current Technology and Resources

The following data was included in the Technology Tools Readiness Survey submitted to KDE in September, 2017.

Total Number of Elementary Student Workstations = 2577
Total Number of Secondary Student Workstations = 2842
Total Number of Staff Workstations = 739
Total Number of Workstations/Devices Pre-Windows 7 = 0
Total Number of Workstations/Devices Windows 7 = 5066
Total Number of Workstations/Devices Windows 8 = 51
Total Number of Workstations/Devices Windows 10 = 10
Total Number of iOS Workstations/Devices = 1020

All schools are connected to WAN via fiber connection to the data center. Increased demands have resulted in speed upgrades for the data center as well as the Sunrise facility. The old wireless system has been replaced and all buildings now have the ability to support the use of personally owned devices.

To maintain and support all district technology, the board employs nine technology support personnel including: 1 District Technology Coordinator (DTC), 1 Network Administrator, 1 Systems Analyst, 3 Microcomputer Specialists, 2 Communication Wiring specialists, and 1 Executive assistant.
The DTC conducts scheduled and as-needed training on various technology equipment and software to facilitate integration into instruction and learning. Furthermore, training is provided to students in the classroom to promote the knowledge and use of technology appropriate to enhance educational experiences.

The technology department coordinates all technology purchases and provides technical support to all sites in the school district. Microcomputer Specialists visit their assigned schools each week and communicate with the School Technology Coordinator as needed. A representative of the technology department serves on all construction project committees and is involved in all phases of planning and implementation of those projects. The technology department meets on a regular basis to discuss progress and concerns regarding current projects and issues. The District Technology Coordinator attends regular curriculum and instruction meetings and also meets monthly with the Superintendent and Central Office staff.

Curriculum and Instructional Integration Goals

Goal 1

Increase the averaged combined reading and math K-Prep scores for elementary school students from 57.3% to 64.5% and for middle school students from 58.1% to 60.4% in 2016. Increase the percent of Proficient/Distinguished in reading and math combined for high school students from 59.5% to 65.8% in 2016.

Action Plan: Strategies/Activities

Project/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source	Progress Notes
Provide access to software for learning including diagnostic, credit recovery remediation and acceleration (i.e. ALEKS, Reading Plus, Lexia, WIN, Dreambox, MAP, AIMSweb).	-Students will have access to effective learning tools including those for remediation and acceleration allowing opportunities for increased differentiation to meet individual student needs. Teachers will have access to software in lesson design, teaching and for evaluation of student performance resulting in increased engagement and effective differentiation.	-Increase in Proficiency as measured by KPREP/EOC -Increase % of students meeting benchmark on EPAS system. -Increase % of students identified as career/college ready.	7/2015 – 6/2018	Principals, Curriculum Supervisors	General funds, Title I, IDEA, flexible focus	Nov. 2015 – MAP is used k-12 for benchmarking. Nov. 2015 – All schools/students have access to a variety of remediation and acceleration programs. 2016-2017: Data from various programs reviewed in RtI meetings and used for placement of students in interventions.
Teachers will maintain up-to-date classroom webpages including utilization of Web 2.0 tools.	Stakeholders (parents and students) will have access to up-to-date classroom and school information, events, lessons and learning activities resulting in increased collaboration between	-website hit counter -teacher and parent login reports -lesson plans reflecting use of blogs, wikis, etc.	Ongoing	Principals, curriculum specialists	General Funds, Title I,	Nov. 2015 – all teachers have classroom pages through SharpSchool's SLMS. Nov. 2015 – All PLTW

	the home and school for improved academic achievement for all students and increased participation of parents in the education of their children.						classrooms utilize both the website SLMS and Canvas for online classroom work. Jan./Feb 2016 – all schools utilized websites and SLMS to provide instruction for #iLearnPulaski (NTI Days). Feb 2017 – teachers utilized LMS to provide instruction for #iLearnPulaski Day.
Teachers/Schools will utilize software to record and share special student activities/events, newscasts, and instructional videos.	- Teachers will have the ability to provide seamless integration of high quality interactive instruction to all students at anytime and anywhere. - Students and parents will be able to access instructional content on demand as a means of review, remediation or acceleration. - Daily announcements and school news shows can be made available to parents and community members via school	-Increase in Proficiency as measured by KPREP -Increase % of students meeting benchmark on EPAS system. -Increase % of students identified as career/college ready.	ongoing	Principals, curriculum specialists	N/A		Nov. 2015 – All schools have cameras and software available to record and post school events. 2015-2016 – various schools producing and posting news and event videos on website, district/School FB pages or district Youtube. 2016-2017 – schools utilized equipment and software to

	web or on-demand access.						produce news programs and to produce motivational videos.
Teachers will utilize the tools provided through Microsoft Office 365 (Lync & OneDrive) to effectively communicate with peers to maintain vertical & horizontal alignment.	Teachers will be able to participate in small professional learning communities to share ideas and develop common assessments and instructional practices.	-Attendance rosters -Conference logs -Common assessment -Student Growth Goals	Ongoing	Principals, Curriculum specialist, Instructional Supervisors	N/A		Nov. 2015 – All teachers have access to MS Office 365. Nov. 2015 – PD has been offered to all staff on MS Office 365 and how to effectively utilize the tools for communication. Jan 2016 – STC's reminded of student and teacher access to Office365 at home and provided with informational fliers to distribute. August 2016 – information distributed to students regarding access to MS Office. Information posted on district website.
All teachers will utilize CIITS for creating and administering common assessments, unit	Students will receive instruction based on aligned, rigorous standards with the	-Increase in Proficiency as measured by KPREP	ongoing	Principals, Curriculum Specialists, Instructional Supervisors	N/A		Nov. 2015 – ALL staff have been trained on CIITS.

planning, lesson planning, and collecting/analyzing data.	ability to complete common assessments receiving immediate feedback to judge level of mastery of those standards.	-Increase % of students meeting benchmark on EPAS system. -Increase % of students identified as career/college ready.				Nov. 2015 – New teachers receive in-depth training on CIITS. Nov. 2015 – lesson plans and curriculum documents are available districtwide. August 2016 – new staff trained on use of CIITS.

Goal 2: Increase the percentage of students who are college and career ready from 78.2% to 79% in 2016.

Action Plan: Strategies/Activities

Project/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source	Progress Notes
Monitor the enrollment of students in Math and/or Reading intervention classes to improve student mastery of content through utilization of software such as Lexia, Reading Plus, ALEKs, WIN, , etc.	Students will have access to effective learning tools for remediation in order to improve skills and master content.	Increase in % of students meeting ACT benchmarks by the 11th grade year.	ongoing	Principal, BAC, secondary supervisor	SEEK, GEARUP, ESS, flexible focus.	Nov 2015 – regular RtI mtgs in school track and monitor student progress. 2016-2017: supervisors meet regularly as members of RtI teams at schools. Student progress monitored and reviewed.
Students will continue to utilize the ILP program with specific utilization of the embedded on-line test prep strategies/activities to improve ACT scores.	Students will have access to effective test prep/practice software to prepare for the ACT.	Increase in % of students meeting ACT benchmarks by the 11th grade year.	ongoing	Principal, BAC, ILP coordinator.	NA	May 2015 – district ILP coordinator monitors completion of ILP by location – all locations at 100% Nov. 2015 – Interim reports on completion provided to schools. Nov. 2016 – progress toward completion

						monitored and shared.
Progress monitor interventions regularly to ensure progress and retest utilizing Compass and/or KYOTE to gage success for 12th grade students.	Students will improve skills and master content.	Increase in the % of students deemed college ready.	ongoing	Principal, BAC, Curriculum specialist, Instructional supervisor and RtI team	NA	Nov. 2015 – Curriculum specialists and guidance counselors monitor and track student progress. October 2015 – District achieved a score of 99.2 in CCR (with bonus).
Provide schools with appropriate equipment and technical support to administer WorkKeys and/or KOSSA testing online.	Students will be able to utilize the current technology to complete assessment and receive timely feedback on success of achieving career ready status.	Increase in the % of students deemed career ready.	ongoing	Principal, STC, DTC	General funds, SEEK, KETS	Jan - Apr. 2015 – district technicians keep workstations up to date for testing purposes. Jan – Apr 2015 - Schools supply testing schedules to district assigned technicians and techs are available onsite for day 1 of testing. Jan. 2016 – technicians completed necessary updates to testing machine and provided onsite support on 1st day of exams.

							Jan – March 2016 – PDC center utilized by ATC students to complete online exams. Jan – March 2017: Technicians made all necessary updates. PDC utilized by ATC for student exams.
Provide students one-on-one guidance in terms of scheduling and long-term planning utilizing tools such as the Pulaski County KOSSA tool.	Teachers and students will be able to quickly see what courses have been successfully completed and/or scheduled in order to make informed decisions regarding what courses should be taken to complete career tracks to be career ready.	Increase in the percent of students deemed career ready.	ongoing	Principal, guidance counselors	NA		Spring 2015 - schools scheduled student scheduling time and utilized school/district staff to review transcripts and other data to recommend courses. Jan 2016 – staff assisted in scheduling 8th grade students for high school courses. Jan – March 2017: staff met with grade 8 – grade 11 students to counsel and schedule classes for next school year.

Curriculum and Instructional Integration Goals – Evaluation

Pulaski County Schools continually works to integrate technology into curriculum and instruction with the goal of enabling teachers to provide rigorous lessons that will appeal to multiple learning styles ultimately improving student engagement and success. All classrooms are equipped with Intelligent Classroom components including ceiling mounted projectors, interactive white boards, integrated sounds systems and classroom webpages that support the use of Web 2.0 tools. All schools also have access to document cameras and student response systems. All of these efforts are in place in order to provide all students with access to information and support as needed with the ultimate goal of improving performance and ensuring all students are college and/or career ready when exiting the Pulaski County School System.

The district employs a district technology coordinator, five district technicians and a school technology coordinator in each school to support the integration of technology in the classroom. Professional development is a key to success therefore training and support is available for all technology components whether by in-district staff, online resources or vendors.

Data will be gathered from multiple sources including:

- KPREP reports reflecting increase in the percentage of students scoring Proficient/Distinguished with corresponding decrease in percentages of students scoring Novice. Curriculum, instruction and assessment will be adjusted as necessary to improve student performance.
- ACT reports reflecting an increase in the percentage of students meeting benchmarks.
- Website analytic tools reflecting student interactivity with classroom webpages including participation in blogs/wikis.
- District & School Report Cards as produced by KDE regarding overall assessment performance.
- Observations: District curriculum team will use an electronic observation system and customized observation template to monitor classroom instruction including the integration of technology. Reports will be shared on a routine basis with the curriculum team. Feedback will also be provided to teachers and school administration on an ongoing basis.

The information gathered will be shared with all stakeholders via CDIP progress notes as well as presentations at board of education meetings, principal meetings, curriculum team meetings and staff meetings.

Student Technology Literacy Goals

Goal 1

All students will receive targeted training and experiences in integrating technology effectively and appropriately into everyday learning and life thereby empowering them to compete in a modern, global society

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source	Progress Notes
District and school staff will conduct lessons focused on online safety, digital citizenship and digital etiquette throughout the year at all grade levels including review of AUP with all students within week 1 of school.	- Students will have an increased awareness of appropriate online behavior and practice digital citizenship in all aspects of their education and online life.	- Decrease in disciplinary referrals for inappropriate technology use.	Ongoing	Principals, DTC, SRO, STC	N/A	Aug 2015 – All schools utilized PC Videos and other resources to teach components on opening day. Aug. 2016: All schools provided opening day instruction.
Provide access to web 2.0 tools in the classroom.	- Instruction will promote the concept of collaboration and the 21st century emphasis that learning is continual and not limited to the school classroom. Learning takes place in the global classroom.	-Lesson plans -Observations using eWalk	Ongoing	Principals, STC, DTC	N/A	2014-2015 – PD sessions offered on a variety of tech tools to utilize in the classroom. Nov 2015 – TEAM teachers received instruction on tech tools for the classroom. March 2016 – PD made available

| | | | | | | | district-wide on a variety of tech tools to use in the classroom.

2016-2017: PD offered on variety of topics to small groups, new teachers and district wide. |
|---|---|---|---|---|---|---|---|
| Purchase equipment, software and other materials for STLP. | Students will be able to acquire higher level thinking skills and also compete at technology competitions. | -Participation in regional and state STLP showcase.
- Student technology skills assessment | Ongoing | DTC, STLP sponsors | KETS, school activity funds | Nov 2015 – materials supplied as requested.

Oct 2016: materials supplied as requested. |
| Provide access to educational hardware and/or software to enhance learning and provide diagnostic and assistance or support for those in need of remediation or acceleration. i.e. AIMSweb, KYVL Read 180, Reading Plus, Lexia, Renaissance Learning products | - Students will have the ability to use technology in remediation to develop skills or in acceleration to enhance learning. | -Increase in Proficiency as measured by KPREP
-Increase % of students meeting benchmark on EPAS system.
-Increase % of students identified as career/college ready. | Ongoing | Principals, Curriculum Supervisors, curriculum specialists, DTC | Title I, SEEK, General funds | Ongoing process – all subscriptions maintained in 2015-2016, 2016-2017 |
| Students in grades 6 – 12 will continue to utilize the Individual Learning Plan (ILP) program to explore careers and set goals. | -Students will have access to up to date information regarding career and college options. | -ILP completion reports. | Ongoing | Principals and school/district ILP coordinator | N/A | May 2015 – Progress tracked by site by the district ILP coordinator. 100% completion rate. |

						2015-2016 – interim progress monitored and shared with schools and curriculum team. 2016-2017: ILP coordinator continues to monitor and share completion status with schools.

Goal 2

All 8th grade and 12th grade students will be proficient in technology as evidenced by district assessment/observations.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source	Progress Notes
Schools will have student technology leadership programs that work collaboratively to solve school based problems.	-Students will learn advanced technology and leadership skills	-Participation rates at regional and state STLP showcases	Ongoing	STC, STLP sponsor, DTC	KETS, School activity funds	May 2015 – 3 schools had projects at state STLP showcase and 2 HS had individual participants. 2016-2017: 3 schools and individuals participated in regionals.
Schools will administer the PCS technology proficiency assessment and provide students with multiple classroom activities to demonstrate technology skills.	-Data will be available to determine proficiency levels for students in grades 8 and 12.	-Proficiency levels of 8th and 12th grade students	Ongoing	Principals, STC/computer teachers, DTC	General funds, KETS	May 2015, May 2016 – Schools administered exams to all students as required.
PCS curriculum guides will include technology activities that incorporate the 9 components of digital citizenship.	-Students, teachers and parents will be knowledgeable of the technology skills expected at each grade level. -Students will receive instruction and develop an understanding of digital citizenship	-Curriculum guides. -Lesson plans	Ongoing	Principals, Curriculum supervisors, and Curriculum specialists	N/A	May 2015 – all schools provided certification that components taught, specifically cyberbullying, social networks and online safety.

Student Technology Literacy Goals – Evaluation

Pulaski County Schools continually works to improve student technology literacy through a variety of activities including participation in computer lab classes, STLP programs, guest speaker presentations as well as through integration of technology in daily instruction. Students are expected to interact with technology tools daily through the 21st Century classrooms (interactive white boards, student response systems, and document cameras), educational software (Reading Plus, Lexia, Read 180, ALEKs, Study Island, MAP, ILP) and project assignments requiring the use of productivity software (MS Office) and participation in classroom blogs. Through AdvanceKentucky training and with access to the many tools, teachers are collaborating across disciplines and grade levels to create engaging lessons. These lessons require student collaboration and critical thinking for success.

Students are formally and informally evaluated in regards to technology literacy. Students must demonstrate technology proficiency in a variety of ways including through regular classroom assessments and projects, observations, and district assessments. Students are formally assessed on technology literacy at grades 8 and 12.

 Data will be gathered from multiple sources including:

- **Observations;** A district developed observation tool will be utilized by school and district personnel to gather data about teaching and learning in the classroom including the incorporation of technology use by students. The results will be available to each school through reports generated within the system and also at the district level by school, grade, or content area.

- **PCS Technology Literacy Exam:** An assessment tool to evaluate student mastery of technology skills. School results are shared with respective principals to guide discussions on technology curriculum and school improvement.

- **Disciplinary reports:** A survey of discipline reports district wide and by school will be used to monitor numbers of referrals issued for inappropriate technology use. Discipline data will be shared with principals and district administration. Results will be used to identify areas of need for presentations and classroom instruction.

The information gathered will be shared with all stakeholders via CDIP progress notes as well as presentations at board of education meetings, principal meetings, curriculum team meetings and staff meetings.

Staff Training/Professional Development Goals

Goal 1

Empower teachers to integrate technology in instruction and learning activities on a regular basis.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source	Progress Notes
District and school technology leadership team members will work with individual teachers and small learning communities to embed use of technology skills in lesson designs and student learning activities.	- Students will apply technology skills in the successful completion of learning projects in all content areas. - Build school level technology leadership capacity.	-Formal and informal observations. -eWalk data -Lesson plans	Ongoing	District Technology Leadership (DTC, STC, LMS, Curriculum Specialists)	General Funds, IDEA	2014-2015 – PD offered on various topics. 2015-2016 – PD offerings on various topics – see Pulaski County PD list 2016-2017 – PD offerings on various topics – see Pulaski County PD list
Provide for technology professional development activities including attendance at local, state and national tech conferences.	- Increase and improve teacher ability to integrate technology seamlessly into instruction and learning to improve student achievement.	-Formal and informal observations -District eWalk data -PACE	Ongoing	DTC, principals	District and school PD funds	March 2015, 2016 and 2017 – district and school staff attended KySTE 2014-2015 – PD provided districtwide and at schools regarding technology integration..
Provide information, training, and support to all teachers and administrators on new hardware and software for instructional	-Teachers will have the ability to increase their skills to stay current with purchased technologies.	-PD evaluation forms -Lesson plans -Models of student work	Ongoing	District Technology Leadership (DTC, STC, LMS, Curriculum Specialists)	District and School PD funds	Summer 2015 – Trained webmasters and curriculum specialists on

integration according to need via PD direct, small group, district web pages, and VTC.	- Increase and improve teacher ability and leadership capacity to integrate technology seamlessly into instruction and learning to improve student achievement.	-Formal and informal classroom observations -- PACE				use of website and SLMS. Aug – Oct 2015 – staff trained by webmasters and curriculum specialists. Jan. 2016/ Feb 2017 – utilized SLMS for #iLearnPulaski Days
Collaborate with schools to provide CIITS training to enable teachers to develop and refine curriculum maps, lesson plans, assessments, and instructional units that are aligned and rigorous.	Teachers will have the ability to effectively utilize resources within the CIITS system to enhance instruction and learning within the classroom.	-Lesson plans with utilization of CIITS resources. -administration of assessment within CIITS	Ongoing	Curriculum Supervisors, Curriculum Specialists	PD funds	2014-2017 TEAM 1 and TEAM II received CIITS specific PD. 2014-2017 – Districtwide PD opportunities on use of CIITS and Gradecam.

Goal 2

Teachers and administrators will meet National Technology Standards for Teachers and the National Technology Standards for Administrators.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source	Progress Notes
Teachers and administrators will utilize tools (website, email, OneCall, Web 2.0 tools) to create and share information and collaborate with stakeholders to improve educational experiences.	-Students and parents will be informed about school related activities in a timely manner. -	-Parent advisory committee feedback -Call logs -Parent surveys	Ongoing	Principals	N/A	2014-2015: All schools have access to communication tools and use frequently. 2015-2017: Schools continue to utilize communication tools on a regular basis to keep stakeholders informed.
Evaluate teachers' technology skills using self-assessment and formal/informal classroom observations.	Teachers will receive technology professional development based on individual and small group needs thereby increasing ability to integrate technology effectively in teaching and learning.	-PACE results -Teacher evaluations. -eWalk observations	Ongoing	DTC, Curriculum team, principals	General funds, PD funds	2014-2015 – self-assessment completed, PD evaluations and PD needs submitted. Summer 2015 – TELL survey results. TELL survey March 2017

Staff Training/Professional Development Goals – Evaluation

The technology department for Pulaski County Schools endeavors to enable students and staff to become proficient in the use of technology and believes that technology integration should be a seamless part of everyday life.

To accomplish this, the PCS technology leadership team will continue to provide ongoing professional development to teachers, administrators and support staff to increase the effective use of educational technology in instruction and for administrative duties. Attendance records and evaluation forms will be used to record teacher participation and to obtain valuable feedback about sessions.

All technology professional development opportunities will be advertised district wide via email communication and through the use of a registration program in CIITS.   Ongoing training opportunities may include sessions such as:
- Application-based training for classroom use and administrative uses (MS Office, Discovery Ed including assessment and streaming videos, Read-Write Gold, etc.).
- Classroom webpage design and content including the use of blogs and online homework.
- Effective technology integration strategies.
- Intelligent Classroom components (Interactive white boards/software, Document cameras, student response systems, etc.)
- PD Direct to meet individual needs
- Use of KDE provided resources (CIITS, Student data tool, etc.)

A full listing of in-house training opportunities may be found on the Pulaski County Schools website.

Technology leadership team members will continue to attend monthly regional technology meetings, state meetings (KySTE) and national technology meetings (ISTE) as available.

Evaluation of staff training and professional development activities will consist of:

- Annual survey of individual and school needs regarding technology PD.
- PGES observations/evaluations.
- KPREP/EPAS reports reflecting increase in the percentage of students scoring Proficient/Distinguished and/or meeting benchmarks. Curriculum, instruction and assessment will be adjusted as necessary to improve student performance.
- Observations: District curriculum team will use the eWalk system and customized observation template to monitor classroom instruction including the integration of technology. Reports will be shared on a monthly basis with the curriculum team. Feedback will also be provided to teachers and school administration on an ongoing basis.
- Professional Development Attendance – A record of PD attendance will be maintained via staff sign in sheets and evaluation forms.

Technology Goals

Goal 1

Provide local, long distance and cellular service to district sites for communication among students, parents, and staff.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source	Progress Notes
Telephone service for local and long distance calling will be purchased and maintained in every district site to support instruction and communication between schools and all stakeholders.	- Teachers will be able to maintain contact with parents in support of student success. - All will have access in a timely manner allowing high quality communications with parents, community and professional peers.	-PCS work order system will document and measure the number of work orders and/or downtime of systems at every site.	Ongoing	DTC	General funds, USF/e-Rate	2015-2016 – eRate approval received for voice services 2017-2017: eRate approval was received for voice services.
Cellular services will be provided to district personnel/administration to enhance communication allowing for timely sharing of information or needs throughout the district.	-District staff will be available to teachers/schools throughout the day. -Immediate access to critical support services (maintenance, tech, student services, admin.) will be available to all PCS personnel.	-Critical work requests documented through the PCS work order system. -Call logs	Ongoing	DTC	General funds, USF/e-Rate	2015-2016 – eRate approval received for cellular services for district staff 2016-2017: eRate approval was received.

Goal 2

Upgrade and maintain a data network capable of providing high speed access to all stakeholders to access resources as needed at the local, state and national levels.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source	Progress Notes
Purchase and maintain Wide Area Network services.	-All will have the ability to access electronic information in a timely manner allowing high quality communications with parents, community and professional peers.	-District Tech Readiness Survey -Real time network monitoring	Ongoing	DTC, System Admin.	General funds, USF/e-Rate	Oct 2015 – Supplied USF with additional information for category 2 funding. January/February 2016 – Network upgrades and WAPs installed at all schools. March 2016 – apply for cat 2 funding to wire 4 elementary schools. Oct 2016: funding was approved. Wiring completed at PCHS and scheduled for remaining locations.
Provide schools with equitable access to computers and related equipment including Intelligent Classroom Components, streaming media, Wireless Access,	- All will have the ability to select tools to help them obtain electronic information, analyze and synthesize it, and present it professionally in a	-Computer count by school - Projector count by school - Interactive devices (white board, SRS, etc) by school	Ongoing	DTC, System Admin.	General Funds, KETS, Buildings and Grounds	2014-2015: All classrooms have Intelligent Classroom components. 2014-2015: KETS allocations made to each

application software, electronic mail, and antivirus	manner that actively and effectively engages students.	-Software licenses by school -Tech Readiness Survey, TAR Report and School report card				school and computers purchased. Oct 2016/ Oct 2017 – schools received allocated machines based on ADA via KETS funds.
Provide schools with technical and administrative support to ensure that all have equitable access to integrated technology.	- Staff and students will receive efficient and timely assistance from district support staff resulting in a continual and efficient flow of curriculum and instruction.	-Technician rotation schedule - Work order system	Ongoing	DTC, System Admin	General funds	2014-2015: Technicians visited schools on assigned dates/times. 2015-2017 – tech rotations continued at school level and new district tasks assigned.
Installation and/or maintenance and repair of district and building level data infrastructure including high speed switches and WAPs that will support an increase in instructional devices as well as personally owned devices.	-Students will have increased access to instructional technology. -Network will experience increase in reliability. -Higher speed access to network resources.	-Improved performance on KPREP. -Improved proficiency ratings on technology literacy assessments.	Ongoing	DTC, System Admin.	General funds, Buildings and Grounds, USF/e-Rate.KETS	Jan/Feb 2016 – all equipment installs completed.
Complete construction on new data center at new central office location	-Continue to provide access/reliable network to all district locations.	-improved reliability of network services	April 2017 – Aug 2017	Asst. Superintendent, DTC and System Admin	General funds	

Goal 3

Obtain and maintain equipment and software to support instructional and administrative needs district-wide.

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source	Progress Notes
Provide district with software for administrative duties including but not limited to: staff absence reporting/substitute notification (AESOP), employment application software (AppliTrak), payroll software (e-Stub), AESOP interface with MUNIS and maintain Milestone software for monitoring/security.	Administrative duties will be streamlined allowing for cost savings and improved efficiency.	- AESOP reports - payroll reports -Employee application reports	Ongoing	DTC, CFO, System Admin	General funds, KETS	2015-2017 - Subscriptions maintained
Promote the use of VBrick content server for school and district productions	- All will have the ability to access educational resources and/or news on demand as provided by cable services.	-Access logs -Video logs	Ongoing	DTC, System Analyst	NA	2014-2015: vBrick support updated. Direct link from teacher menus on webpages.
Communicate with parents via AUP in the Code of Conduct, email and school and Teacher websites how technology is being applied in their child's education. Provide additional communication via Infinite Campus Parent Portal, IC portal iphone app, and One-Call Now.	- The collaborative partnership between school and home will be advanced by providing pertinent school information including school technology based opportunities and the ability to monitor respective personal information.	-Surveys of teachers, parents and students. - Website hit counter - Teacher and parent login reports	Ongoing	DTC	General funds, Title I, eRate, KETS	2014-2015, 2015-2016 and 2016-2017: Communication tools kept up to date and utilized by all schools to keep parents informed. Links provided to parent resources on all district/school webpages.

Goal 4

Provide information and training to all students, staff and parents on CIPA and district CIPA compliance.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source	
Communicate with parents and students via AUP and Code of Conduct outlining technology access rights and responsibilities.	-Students and parents are aware of behavior expectations. -Students and parents are knowledgeable about CIPA.	-AUP -IC reports	Ongoing	DTC	N/A	Aug 2015 and 2016: Parents received code of conduct and AUP documents before or on Day 1 of classes.
All schools will view PCS Safe Schools videos annually.	Students are educated about online issues including cyber-bullying, and Internet safety.	-View logs from Vbrick -Lesson plans	Ongoing	DTC, Principals, DPP	N/A	Aug 2015 and 2016– classrooms watched videos with verification provided to DPP.
Maintain safe Internet services via use of Proxy server, and filtering software	-Students and staff will be protected from inappropriate content access.	-Proxy logs	Ongoing	DTC, System admin.	General funds, KETS	Oct 2015: Upgrade completed for Lightspeed.
Maintain/update technology department web site providing information and resources on Technology and technology literacy – safety, cyber bullying, digital citizenship	-Stakeholders will have access to information and resources related to appropriate online behavior resulting in a decrease of inappropriate behavior by students.	- Decrease the number of students receiving disciplinary referrals for inappropriate technology use. - -Website hit count	Ongoing	DTC	N/A	Aug 2015: Updates completed after move to new web service provider.

Technology Goals – Evaluation

- **Comprehensive District Improvement Plan** is approved by the local board and submitted to KDE every other year with updates at the end of the first year. The district completes **progress notes** tri-annually to reflect completion of activities and make mid-course corrections. Amendments are made as needed. Technology activities are embedded in this plan at the district and school levels.

- Annual **Technology Activity Report** is approved by the local board and submitted to KDE in the fall. This report lists all technology purchases regardless of funding source.

- Annual **Technology Tools Readiness Survey** is submitted to KDE in December. This report provides information on the status of the current technology inventory.

- Machines Database is used to track technology work orders as well as technology inventory. The DTC and System Administrator will share reports with the district technology department on an ongoing basis and address any areas of need as they arise.

- KPREP and ACT reports reflecting increase in the percentage of students rated proficient or meeting benchmarks. Curriculum, instruction and assessment will be adjusted as necessary to improve student performance.

- Observations: District technology staff will conduct walkthroughs at all locations to conduct inventory audits as well as ensure functionality of equipment. Information and reports will be shared as part of regular department meetings until all issues are resolved. District curriculum team will use an electronic observation tool and customized observation template to monitor classroom instruction including the integration of technology. Reports will be shared on a monthly basis with the curriculum team. Feedback will also be provided to teachers and school administration on an ongoing basis.

- Network monitoring software is used to ensure that all network resources are available at designated times with automatic notification to appropriate personnel if communication of devices/equipment is lost.

Budget Summary – 2017-2018

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)
Telecommunication services including local and long-distance telephone service, WAN services and internal connections, and cell phone services.			$94,146.60 $113,100.00 $20224.80			$17,270.28 $10,200.00 – General Fund
Technical and administrative support to all schools. (district tech dept. salaries, STC stipends, and district tech maintenance fund).						$519,420 + $30,000 + $14,500 General fund
Webhosting services to provide district, school and teacher web pages and a mobile app						$14,777 General fund
Educational and assessment software to enhance learning (ALEKS, Reading Plus, Lexia, KYVL)						$224,313.00 – Title I, General Funds, SEEK
Administrative software: Infinite Campus and One Call Now for communication, AESOP, AppliTrak, E-Stub, MUNIS, Destiny for LMS, eWalk, ValEd					$77,350.00	$99,081.00 – General funds, SEEK
Purchase equipment, software and other materials for STLP					$5000.00	
Computers and related equipment/software					$167,650.00	$135,350.00 – General fund and Title I
Attendance at local, state and national technology conferences						$3,000 – district PD
Wiring for new central office						$34,000 – General Fund
TOTAL	$0	$0	$227,471.40		$250,000.00	$1,101,911.28

*Pending eRate Approval

**Pending eRate and district budget approval

Budget Summary – Narrative

As stated previously, all technology purchases are coordinated by the district technology department. This allows us to ensure that district/KETS standards are maintained and that integration of acquired services is seamless in the existing infrastructure. The technology department is represented on planning committees at the district level including construction committees, PD committees and curriculum committees, Various members of the department participate as members of the committees with the DTC filling an integral role as a bridge between curriculum and technology with cross responsibilities as DTC, assessment coordinator, PD coordinator, SBDM coordinator, and director of curriculum and instruction.   Additionally, the district finance officer and assistant superintendent for facilities and personnel serve on the technology planning committee and work closely with the DTC throughout the year to ensure that the technology needs for the district are met.

Curriculum and Instruction Integration Goals:
Goal 1: $239,090
- General Funds/KETS/Title I/ SEEK/IDEA:
  - Software maintenance or purchase to enhance learning by providing students with remediation or acceleration based on individual needs. Software includes but is not limited to ALEKS, Reading Plus, Lexia, Dreambox and KYVL.($224,313.00)
  - Subscribe for webhosting services to provide additional communication tools between the school and home. Provide anywhere, anytime learning through utilization of teacher webpages to share assignments, instructions, and streaming media. ($14,777)

Goal 2: No additional funds required

Student Technology Literacy Skills:
Goal 1: $5,000.00
- KETS ($5,000.00):
  - Purchase equipment, software and supplies for STLP activities and competitions.

Goal 2: No additional funds required

Staff Training and Professional Development:
Goal 1: $3,000
- PD Funds ($3,000)
  - Travel and registration expenses for attendance to local, state and national conferences

Goal 2: No additional funds required

Technology Vision and Goals:

Goal 1: $131,641.68

- E-Rate discount (30%) + general funds: Purchase E-rate eligible services pending approval, discounted billing, or reimbursement.
  - Telecommunications Services:
    - Windstream $94,146.60
    - Verizon Cellular Service $37,495.08 ($20,224.80 eRate eligible at discount rate and $17,270.28 not eRate eligible).

Goal 2: $1,024,220.00

- General Funds/KETS
  - Salaries and hardware/software/maintenance repair ($519,420.00 salaries + $30,000 for district tech needs) for District Technology / Information Systems plus stipends for STCs ($14,500).
  - Microsoft Select Agreement to include up-to-date Microsoft Office Professional (Word, Excel, Access, PowerPoint, Outlook, OneNote, Publisher) for all machines, and antivirus. ($53,000)
  - Maintenance of wide area network services to all locations – eRate eligible service at 90% discount pending eRate approval (TimeWarner) service provider - $113,100 + $10,200 for services to Sunrise that are not eRate eligible.
  - Computer purchases spent in accordance to our computer replacement cycle ($250,000)
    - 1:1 Teacher to Computer Ratio
    - 6:1 Student to Computer Ratio
    - 5 Administrative Computers per School
    - 1 Computer per FRYSC
  - Construct and wire new data center at new Central office location and wire existing building as necessary ($34,000)

Goal 3: $176,431.00

- General Funds/KETS/SEEK: Purchase administrative software.
  - AESOP - staff absence reporting system/substitute notification ($14,790.00)
  - E-Stub- Payroll software ($11,711.00)
  - AppliTrak - employee application software ($5,000.00)
  - Infinite Campus ($50,032.00)
  - One Call Now Alert System ($11,970.00)
  - MUNIS ($23,813.00)
  - Veritime ($9,000.00)
  - SDP ($9,950.00)
  - VersaTrans ($4545.00)
  - Destiny ($13,200)
  - eWalk ($6,100)
  - ValEd ($4,320)
  - Milestone ($12,000)

Goal 4: No additional funds required