Technology Plan
Perry County School District
Hazard, Kentucky

EVERY CHILD

PROFICIENT & PREPARED FOR
S U C C E S S

KENTUCKY DEPARTMENT OF EDUCATION

http://www.education.ky.gov

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Plan Expiration Date: September 30, 2017

Acknowledgments

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Executive Summary

Perry County Schools are committed to offering their students research-based instruction in a dynamic learning environment which meets the learning needs of all students. Technology can speed up the educational process by having information available at an instant therefore allowing student to advance at a faster pace than traditional methods of instruction. The administration and staff of Perry County Schools are committed to ensure that the technology in the schools is in good working order within a safe environment. By implementing strategic planning and differentiated instruction, our students will meet proficiency by 2017. Perry County is committed to educating our students so they can be productive in a technology driven global society.

Planning Process / Methodology

Each year the DTC along with the district technology committee and district leadership team meet and look at the district technology plan in regards to needs, current trends in education technology and set goals of what we want to do in the future with our program. We visit other districts that have implemented successful technology initiatives and if we feel these would work with our schools then we implement them for our students and staff. The District Technology staff reviews policy and prioritizes needs within the district and assists with implementation of projects for the schools.

Technology Vision and Goals

Our students will become technology literate lifelong learners. Our users (Students/Staff) will interact successfully in a technological environment and use technical tools to achieve their personal, education, and work related goals. Students and staff will use the skills learned to access, retrieve, and use information school-wide, community-wide, nationally, and globally.

Goal 1

Teaching will become more effective due to a technology rich-environment.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
S1: Workstations will be purchased for users in our district to perform their instructional tasks	Students will become proficient users of technology	Assessment given to 8th graders and 12th graders upon completion of the last semester.	7-1-2016 to 6-30-2017	Michael A. Smith Cindy Gabbard Harvey Coldwell	KETS, Title I, IDEA B,
S1: Google Chromebooks will be purchased for students to continue our 1:1 initiative for all students 8-12 grade.	Students will use tablets to complete all instructional tasks electronic.	Assessment given to 8th graders and 12th graders upon completion of the last semester.	7-1-2016 to 6-30-2017	Michael A. Smith Cindy Gabbard Bridget Maggard	KETS, Title I
Android tablets will be purchased to assist teachers in helping students with coding classes	Students will become proficient in the area of computer programming, coding and app writing	Classroom Walk-throughs and completion of staff trainings offered through U of K	7-1-2016 to 6-30-2017	Kristie Miller Michael A. Smith	PLTW

S3: Current software will be purchased for users to complete their instructional tasks	Users will have up to date software to complete their daily task and integrate current technologies into the curriculum	Assessment given to 8th graders and 12th graders upon completion of the last semester.	7-1-2016 to 6-30-2017	Michael A. Smith Cindy Gabbard Harvey Colwell	KETS, Title I, Title IID, IDEA B,
S4: Video streaming will be provided to users for enhancement to daily lessons	Through the KET Encyglomedia/Discovery Ed video library all learning styles will be addressed to increase test scores	Observations of administrative walk-throughs	7-1-2016 to 6-30-2017	Kentucky Department of Education	KETS, KDE
S5: Maintain PBX, data and voice networks to assure communications	District Staff will be able to work and communicate more effectively.	Observation of staff using phone system.	7-1-2016 to 6-30-2017	State and District Technology Staff	SEEK, KETS, Pending USF
S6: Internet filtering software will be provided to maintain compliance with SB230 and CIPA	Staff and Student internet traffic will be monitored for appropriate use.	Reports generated from filtering software that shows proficient use of the internet	7-1-2016 to 6-30-2017	Michael A. Smith	KETS, Local
S7: Fiber will be leased to assure high speed connectivity between all schools	All users will have access to a fast robust network	Observations by district administrators during walk-throughs of staff using the network for high speed use such as encyglomedia	7-1-2016 to 6-30-2017	Michael A. Smith	Pending USF
S9: The district will provide classes to our students through	Staff and students will have access to various classes offered through	Classes scheduled for	7-1-2016 to 6-30-2017	Michael A. Smith	Pending USF, KETS

district acquired video conf. equipment and the leased fiber network	video conferencing worldwide	students using distance learning at both high schools			
Perry County Schools will purchase a web-based solution for our libraries	Students and staff will be able to access our library resources online for in school and use outside of the traditional school setting	Available online resources	7-1-2016 to 6-30-2017	Michael A. Smith Technology Coordinators	KETS and ERATE
The district will offer our students classes in coding and app inventing tools	Staff and students will have access through training modules on coding and other computer coding techniques	Classes scheduled in their science curriculum weekly	7-1-2016 to 6-30-2017	Michael A. Smith, Kristie Miller	PLTW

Goal 2

By spring 2017, the percent of teachers who integrate technology successfully into lessons will increase.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
S1: Technology PD will be provided to staff to demonstrate current trends in technology integration	Teachers will use software and hardware as part of their daily lesson to enhance student learning (Ex. Google Classroom)	Sign-in sheets from professional development sessions	7-1-2016 to 6-30-2017	Michael A. Smith Harvey Colwell	KETS, PD, Title IID, IDEA B
S3: PD will be provided to staff	Teachers will learn how to implement	Sign-in sheets from PD sessions	7-1-2016 to 6-30-2017	Michael A. Smith Harvey Colwell	KETS, PD

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
members on google apps for education	GAFE w/students for daily instruction				
S4: PD will be provided to staff on how to implement 1:1 computing into daily instruction.	Teachers will become proficient users of online curriculum so they can take advantage of the 1 to 1 tablet initiative.	Sign-in sheets from PD sessions and monthly tech cadres. Administrative observations of teachers using online resources with students.	7-1-2016 to 6-30-2017	Michael A. Smith Cindy Gabbard	PD, KETS

Goal 3

Student achievement will increase through effective use of technology.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
S1: Teachers will use best practices in the area of integration technology to increase student learning.	Students KPREP scores will increase by %10	Observation of lessons plans and administrative walk-throughs	7-1-2016 to 6-30-2017	Michael A. Smith Cindy Gabbard Scott Johnson Kristie Collett	KETS, Title I, PD
S2: Continue to acquire equipment for classrooms that will make them state of the art in regards to IT (Smart boards, Data projectors etc.) Acquire intelligent classroom equipment for all classrooms.	Increased student performance, technology literacy, and higher test scores will result from a more dynamic learning environment for students.	Observed during administrative walk-throughs	7-1-2016 to 6-30-2017	Michael A. Smith Cindy Gabbard	KETS and Title I

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
S3: District Technology Committee will revise District AUP	Students will become efficient users of the network and learn to become good digital citizens	Board approval and minutes from that meeting Students acquiring their DDL.	7-1-2016 to 6-30-2017	Michael A. Smith	KETS, Title IID
S4: Maintain a hosted website solution for our district and school websites	Staff will use the web to communicate with all stakeholders	Creation of staff and school websites	7-1-2016 to 6-30-2017	Michael A. Smith	Pending USF and KETS
S5: Purchase additional devices (tablets, chrome books) for the 1 to 1 initiative	Students will become proficient users of online resources to complete daily instructional task.	Observed during administrative walk-throughs	7-1-2016 to 6-30-2017	Michael A. Smith	KETS, Title I

Student Technology Literacy Skills

The Perry County Schools will ensure that all students will become proficient users of technology. Technologies will be purchased that will give our student the technical skills needed to be successful in a technology driven global economy.

Goal 1

Students will acquire skills that will help them become users of technology.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Acquire software and hardware for students to use to gain technology literacy skills	Through technologies purchases and the experiences with them students will	Each student will be assessed at the 8th and 12th grade level to assure they have become	7-1-2016 to 6-30-2017	Michael A. Smith	KETS and Title I

	become proficient users of technology	proficient in technology literacy.			
District will purchase instructional technology evaluation software when state defines standards	Use software to ensure our students are on target with state and national technology standards	Assessment of all students using online software purchased by district	7-1-2016 to 6-30-2017	Michael A. Smith	KETS

Goal 2

Students will acquire skills that will help them become productive life long digital citizens and help them be college or career ready.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Use www.idrivedigital.com so our students can become proficient digital citizens.	Upon completion of the digital citizenship curriculum our students will be positive digital citizens	Assessments that will be given to all students in grades 8 and 12.	7-1-2016 to 6-30-2017	Michael A. Smith & School Tech Coordinators	KETS
Attend internet security session at the KYSTE conference	Setup internet safety/ security professional development sessions for school leaders, staff and students	Technology assessments at the 8th and 12th grade	7-1-2016 to 6-30-2017	Michael A. Smith, School Technology Coordinators and librarians	KETS

Integration of Technology into Curricula and Instruction

Perry County Schools will offer its students a technology enriched curriculum with access to all current technologies. Student will be exposed to tools that will allow them to learn not only in the classroom but through the use of distance learning technologies that will give them other educational experience in a virtual world. Students and staff will learn to communicate through web 2.0 and other interactive tools to complete their educational task. Technologies will be purchased and implemented that will prepare students for a global economy that requires a high level of technical literacy.

Goal 1

Students will be offered classes and experiences outside of what the normal school schedule allows through the use of video conferencing and distance learning opportunities.

Action Plan: Projects/Activities

Project/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Distance learning technologies will be acquired and maintained.	High school students will attend advanced placement classes that will allow them to acquire college credit	Students graduating with classes that are not offered at the school they are attending.	7-1-2016 to 6-30-2017	Michael A. Smith	KETS
Intelligent classroom equipment will be maintained	Students will use interactive tools to learn and express instructional task	Classroom walk through observations	7-1-2016 to 6-30-2017	Michael A. Smith	KETS

Goal 2

Students will use web hosted software, electronic devices (Google Chromebooks, smart device etc.) daily to perform all instructional task electronically.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Schools will maintain mini-notebooks/tablets for individual students	Students will learn to use devices (mini-notebooks, tablets, smart device etc.) to complete daily task	Classroom walk through observations	7-1-2016 to 6-30-2017	Michael A. Smith, Bridget Maggard School Principals, and School Technology Coordinators	KETS Gear-up
Teachers will learn to use devices (mini-notebooks, tablets, chrome books, smart device etc.) to teach daily	Students will become accustomed to using electronic devices to complete daily task	Classroom walk through observations	7-1-2016 to 6-30-2017	Michael A. Smith	KETS

Staff Training/ Professional Development Goals

Perry County staff (Administrator/Teachers) will be trained on all new technologies and will gain proficiency upon completion of trainings. Several opportunities will be given for staff to attend trainings with ongoing training through our technology cadre meetings.

Goal 1

Provide training for teachers on current technologies so they can become proficient users of the 21st century classroom tools.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Teachers will attend training on best practices with digital instructional tools.	Upon completion of the training staff will be proficient using web 2.0 and other online instructional resources.	Staff evaluations and walk-throughs by administrators	7-1-2016 to 6-30-2017	Michael A. Smith, Harvey Colwell	KETS, PD
A technology leadership group will be created to help train and guide integration of technology into daily instruction	Through the technology leaders all teacher will use technology to push instruction daily and students will become accustomed to online learning	Staff evaluations and walk-throughs by administrators	7-1-2016 to 6-30-2017	Michael A. Smith, Kristie Miller	KETS, PD

Goal 2

Staff will attend trainings on web hosted internet based tools (web 2.0) that will allow them to teach in a virtual classroom as well as a traditional setting.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Teachers will learn to create websites and post current information about their classroom	Students will use the websites as a source of information for learning	Classroom Walk through observations	7-1-2016 to 6-30-2017	Michael A. Smith	KETS
Teachers will use video conferencing software to teach dual credit classes to both high schools	Students can acquire up to 29 hours through U-PIKE	Classroom Walk through observations Students earning college credit	7-1-2016 to 6-30-2017	Michael A. Smith Kristie Miller	KETS and local funds

Current Technology and Resources

Currently the Perry County Schools has 100% of its classrooms with intelligent hardware and software and has trained all our teachers on how to use the equipment with our students to create a positive learning environment.

Through the KETS and Title funds we are assuring that our students in high needs schools are being targeted in regards to technology literacy programs. We have implemented assessment software that allows us to take snapshots of student progress throughout the year so we can see how high need schools are doing and make sure that they are progressing according to the goals that we and the school have set.

Currently each school is provided at least 12 hours of support staff per week to maintain software and hardware. This assures that all equipment is working properly at all times for students and staff. Maintenance contracts are also in place in regards to all infrastructure equipment to assure that all network components are up and functional at all times. District computer technicians are always training so they can stay current with equipment purchased so they can support our students/staff and keep all of the equipment functional.

As we implement new equipment and software we always provide training to all staff on a as need basis we provide training to our staff as requested. The district also provides ongoing training through our instructional technology cadres that meet on a as need basis. In these trainings we work with staff on instructional practices that have proven to increase scores and help students perform at a higher level. In the Perry County schools we feel that ongoing professional development is the key to a successful academic program.

Evaluation

The planning process that is now in place will be a continuous cycle of assessment, review, revision and implementation. Implementation and Impact checks will be completed annually with a report of the progress and impact of the plan being presented to the Perry County Board of Education. The Academic Performance Component and Technology Component Implementation and Impact checks will take place during the months of October, January, April, and July. Checks for the Efficiency Component will take place during the months of August, November, and February. Checks for the Learning Environment Component will take place during the months of September, December, and March

Technology Vision and Goals Evaluation Narrative

Upon completion of each school year staff and students will be assessed on their technical skills to prepare our Professional development and help guide the district on the areas that we need to improve on in regards to technology instruction. Administrators will use the assessment to schedule students for classes that will guide them to proficiency with all students meeting the standards outlined in the Kentucky Program of Studies. Our vision and goal is for all students to reach 100% proficiency with the skills outlined in the Program of Studies.

Staff that has not met proficiency according to Standard 10 will be assigned task to complete in their professional growth plan that address these deficiencies.

Student Technology Literacy Skills Evaluation Narrative

Students in grades 8th and 12th will be given a technology assessment at the end of the school year so we can get a snap shot of their technology literacy skills and see how our student compares to students at the state and national level. This will allow our district to plan and will also make sure our students are college and career ready upon completion of their 12th grade year. It is our goal for all students to become proficient in the area of information technology upon completion of the Perry County School System.

Integration of Technology into Curricula and Instruction Evaluation Narrative

District administration along with building level supervisors do walk-throughs to give staff feedback on how they are using the smart tools and other technology tools (Web 2.0, LYNC, GAFE, Tablets, etc.) in their classrooms. If the uses of the e-tools are not observed then the staff member will be required to address information technology skills in their professional growth plan and their progress will be monitored.

Staff Training/Professional Development Evaluation Narrative

Assessments will be given to all staff at the end of the 2014 school year and the results will be used to help guide their professional development for the next instructional year. Once staff weaknesses are identified the staff member will work with the professional development coordinator and find sessions that can build skills in the areas of weakness. Upon completion of the PD plan all staff members will be technology literate as outlined in standard 10.

Budget Summary

School Year: 2016-2017
Annual Budget Summary

Note: duplicate this page for each year as needed (if a multiyear plan)
- List the professional development and technologies to be acquired during each year of the agency's plan.
- List all funding sources for recurring services, anticipated purchases, and professional development.
- Include the total of all technology resources to support the district's technology initiatives.
- This information will be helpful in completing Item 25D on the E-Rate Form 471.

Acquired Technologies and Professional Development	Ed Tech Competitive Title IID	Ed Tech Formula Title IID	ARRA Formula Title IID	ARRA Competitive Title IID	E-Rate	NCLB/other than Title IID	KETS	Other (Specify)
Technology PD will be offered to staff at the school and district Level							$2,000.00	$10,000.00 (PD Funds and PLTW)
Classroom/School (FRYSC) computers, tablets will be purchased and updated for all schools to replace and update out dated machines.							$50,000.00	$100,000.00 (Title I) $10,000.00 (Gear-UP)
Software licenses							$20,000.00	$30,000.00 (Title I, Idea B)
Android Tablets								$75,000.00 (PLTW)

Description								
PD for teachers to implement coding								$78,000.00 (PLTW)
Hardware and software support to users								$65,000.00 (Local Funds)
Refresh Network Connectivity and Wi-Fi Equipment					$558,065.95 Pending USF Approval		$93,843.19	
Each school will have a 1GB connection back to the central office for accessing applications, internet & electronic mail.					$144,000.00			
The district will purchase support for student information software.								$25,000.00 (Local)
Equipment for intelligent classroom							$5,500.00	
Hosted web solution								$8,000.00 (Local Funds/KETS)
PD for web hosting and intelligent classrooms technologies								$1,000.00 (Local and PD)
District will maintain our telephony phone system								$15,000.00 (Local Funds)
District will maintain all connectivity equipment								$12,000.00 (KETS/Local)
Totals for each category	0.00	0.00	0.00	$0.00	$702,065.95	0.00	$171,343.19	$419,000.00
All Funds Total								$1,292,409.14

Attachments/Appendices (Optional)