

Kentucky Education Technology System DISTRICT TECHNOLOGY PLAN

DISTRICT NAME Paducah Independent Schools

LOCATION Paducah, KY

PLAN YEAR(S) 2023-2024



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Planning Team

District Staff [Recommended to include CIO/DTC, TIS/DLC, technician, finance officer, superintendent, academic officer, DAC, etc.]	
Dale Weaver - CIO/Director of Technology	Will Black - Asst. Superintendent and Director of Instruction
Tim Franklin - Director of Makerspace	Donald Shively - Superintendent
McKayla Everly- District Digital Learning Coach	
Building Staff [Recommended to included principals, LMS, STC, counselors, teachers, teaching assistants, etc.]	
Kari Balkey - Digital Learning Coach (DLC) and STC, Paducah Tilghman High School	Monte Hensley - STC, McNabb Elementary School
Jessica Ringstaff - School Technology Coordinator (STC) and DLC, Paducah Middle School	Brittany Riley - DLC and STC, Morgan Elementary School
Arveta Turnley - STC and DLC, Choices Educational Center	Virginia Molina - DLC and STC, Clark Elementary School
Tim Meadows - Student STC, Paducah Tilghman High School	
Additional District Contributors [Recommended to include board members, SBDM members, program directors, etc.]	
Dr. Donald Shively - Superintendent	Angela Copeland - Director of Finance
Troy Brock - Director of Pupil Personnel	Dr. Felix Akojie - Board Vice Chairman
Dr. Carl LeBuhn - Board Chairman	Chad Jezik - Director of Operations
Students [Recommended to include middle and/or high school students]	
Other [parents/community members, business and nonprofit leaders, etc.]	

Previous Year's Strategies Evaluation

In this section include a discussion of the previous year's strategies using the prompts below. Attempt to limit your narrative to the space provided.

What strategies from last year went well?

- Continue the replacement of 25 aged and/or failing LCD projectors.
 - This allows teachers to have improved visual clarity for their students. All teachers have Surface Pro computers that transmit HD video output. Our oldest projectors cannot properly display that signal causing shrunken and occasionally blurry images.
- Clean up of all network wiring closets by replacement and rearrangement of old Cat. 5 patch panels, removal of unused classroom data drops, and some minor network drop additions.
- Purchase/deployment of the LTE mobile hot-spot devices to homeless and/or low-income students without high-speed Internet access.
- Purchase of 30 high-end laptops to address the need to expand and mobilize our virtual reality immersion and development program.
- Expand Visix digital signage system to both our high school and middle school.
- Replacement of aged and/or damaged staff Surface Pro computers.
 - The majority of faculty and administration had Surface Pro 4 computers purchased in 2016. Many of these have a hardware failure of the touch screen.
 - Replacement relieved any hardware issues and add 3 years of accident coverage warranty.
- Conversion of the elementary 1:1 program to a day-user program.
 - Grades 1 through 5 each have a device assigned per student.

Goals that were not met or didn't have the expected outcomes?

- Hire an additional desktop technician as needed to support the 1:1 devices for the primary grades.
 - With a full 1:1 program, additional staff are required.
 - However, switching elementary devices to a day-user program did help reduce some of the workload.
- Complete replacement of our old unsupported wired Ethernet switching infrastructure.
 - This will keep our network infrastructure under warranty support, increase performance, and support higher speeds to our wireless infrastructure.
 - The equipment was purchased, but supply issues have delayed receipt and install.
- Purchase/installation of new UPS equipment to protect the remaining network wiring closets without a UPS.
 - Equipment was purchased, but supply caused late receipt. Equipment has not been installed yet.
- New staff Surface Pro device warranties were cut short due to the bankruptcy of the provider. This affected nearly 3,000 of our machines.
- Conversion of the elementary 1:1 program to a day-user program.
 - Due to company bankruptcy, we did not have enough working machines to cover all kindergarten students.
 - We setup/installed one laptop cart at each elementary to help alleviate the need for computer access.

Which strategies are dropping off the plan because you've met them or they aren't relevant now ?

- Wiring closet clean-up and network wiring consolidation.
- Purchase of high-end laptops for the VR immersion/development program.
- LTE hot-spot devices. More and more families have explored offers with local ISP's low-cost options for high-speed Internet.
 - We are reducing the maintained hot-spots from over 200 down to approximately 30.

Needs that emerged after evaluation of the previous year's strategies?

- Purchase of 1-year of additional accident coverage warranty for student and staff computer systems.
 - This was to help compensate for the loss of warranty coverage due to the bankruptcy of StayMobile, LLC.
 - The unexpected, but unavoidable, cost of this ADP coverage was approximately \$150K.

Upcoming Year's Strategies Preview

If this is the first year of a multi-year plan, this section acts more like an executive summary of the plan as a whole. If this is the second or third year of a multi-year plan then aim your discussion to any new strategies or adjustments you are planning for this year.

[See [Technology Planning section of KETS Master Plan](#) for more information]

How did you and the planning team decide on the strategies and/or adjustments for this plan?

Through virtual (online) meetings and resources, in-person bi-weekly cabinet meetings, and various forms of digital communications, the planned projects for this year were determined and approved. Some examples of these planning events include online meetings via Microsoft Teams, virtual STC meetings, in-person superintendent cabinet meetings, board meetings, email, and needs lists.

Briefly discuss the major activities slated for implementation and how these activities will advance curriculum and instruction integration, student technology literacy, professional development, & technology infrastructure.

- Continue the replacement of an additional 25 aged and/or failing LCD projectors.
 - This allows teachers to have improved visual clarity for their students. All teachers have Surface Pro computers that transmit HD video output. Our oldest projectors cannot properly display that signal causing shrunken and occasionally blurry images.
- Purchase of new student computing devices to refresh the 1:1 program for grades 6 through 12.
 - Due to reallocation of ESSER III funds for another project, the district will be using a combination of other funds to lease approximately 1,600 student computers.
- Hiring an additional desktop technician is needed to support 1:1 program devices for all the primary grades.
 - With a full 1:1 program, additional staff are required.
- Purchase/implement new networking infrastructure (wired and wireless) for the new Head Start Preschool Facility currently under construction.
- Purchase/implement new instructional technology for the new Head Start Preschool including interactive flat panels, digital signage equipment, flat panel TVs, two large format projectors, projector screens, and classroom amplification equipment.
- Purchase/implement new VoIP phone handsets, licensing, and software at Head Start.
- Purchase/implement new security cameras and access control infrastructure for the new Head Start Preschool.
- Complete the installation of purchased UPS equipment to protect the remaining network wiring closets without an existing UPS.

- Plan and purchase replacement datacenter equipment. This equipment is refreshed on a five year cycle to keep the network and technology services running smoothly and on equipment under maintenance contract.

Student Voice

Personalized learning allows students to develop deeper learning competencies including critical thinking, using knowledge and information to solve complex problems, collaboration, and communication. Capturing student input about their access to opportunities that build these competencies is key to effective technology planning. Please answer the questions in the space provided below.

Do you currently have a method to collect student responses about the digital learning environment? If so, which tool (ex: BrightBytes, Speak Up, survey created by you or the district, other)?

- School Climate Survey
- Other internally generated

If you have a method to collect student voice for this purpose, reference specific data points from the collection that were useful in developing strategies for this new plan or informed strategy adjustments during an ongoing plan.

- Student surveys in FY2023 did not include technology related questions this year.

KETS Master Plan Areas of Emphasis

Connected to the Future Ready Framework

The Future Ready Framework identifies seven Gears to assist districts in developing a roadmap for student success through personalized student learning and collaborative leadership. The KETS Master Plan has identified 37 Areas of Emphasis connected to the Future Ready Framework and are categorized as either *1) Areas of Acceleration (AA)* or *2) Areas of Improvement (AI)*. The “areas of acceleration” are considered big wins, successes, and major milestones of the KETS are identified for continuation work. The “areas of improvement” address emerging areas based upon growth or decline metrics, research, needs assessments, and reporting by Kentucky school districts.



Use the Areas of Emphasis and Future Ready Framework as a lens to analyze current trends, initiatives, needs and goals of your district. Link the work of this new plan identified by your planning team to the Gears and Areas of Emphasis of the KETS Master Plan on the following pages. There is no expectation to address all 36 Areas of Emphasis of the KETS Master Plan. Any strategy that involves Erate, please include in the Budget & Resources gear. If your district has lease agreements (i.e.; device, fiber, etc.), be prepared to reference the quantity during the final submission process.








Robust Infrastructure & Ecosystem

Future Ready Gear

KETS GUIDING PRINCIPLE – A robust infrastructure is one that delivers the device, network and support needs of staff and students to create personalized learning environments using digital tools and resources.

Areas of Emphasis: Areas of Acceleration (AA)  /Areas of Improvement (AI) 

-  **AA-1** Continue to provide nation’s first, fastest, highest quality, and most reliable internet access to 100% of Kentucky’s public schools
-  **AA-2** Continue to ensure equity and standardization for delivery of device, network, data and support creating best in class staff and student digital experiences AND provide a system of shared/brokered/managed services maintaining low infrastructure costs and providing support structures promoting the use of personalized learning environments
-  **AA-3** Continue to create a culture of digital connectedness through all- the-time, everywhere, always on digital opportunity and access with emphasis on dense Wi-Fi throughout schools *(also including home access, Wi-Fi buses, school and classroom Wi-Fi, etc.)*
-  **AA-4** Continue to encourage the use of instructional programs and administrative processes requiring cloud-based services
-  **AI-1** Improve ease of access for students and staff through continued progress toward 1:1 student to computer ratio utilizing increased amounts of mobile devices *(fewer traditional computer labs)*

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-3	Maintain support for existing Wireless Access Points (WAPs) and wired switching in all existing schools and facilities as financial resources allow.	-CIO	On-going	General fund	Approx. \$10,000	Available access point licensing and network management software access maintained. Network activity reporting and wireless surveying.
AA-3	Reduce purchase of monthly LTE hot-spot service plans with Verizon from 200 to 30 for home Internet access for students.	-CIO	On-going	-Family Resource Centers -General fund	\$5,400 annually	Family applications for assistance through Family Resource Centers. Mobile Device Mgmt system provided by Verizon with location services.
AA-2	Modify configuration of and increase deployment of Network Access Control (NAC) system usage to streamline student/device registration and network access.	-CIO -Net. Admin	Summer 2023	N/A	N/A	NAC reports/logs on student/device registrations.
AI-1	Lease approximately 1,600 new, lower cost laptop/tablet computers for all 6 th through 12 th grade students. (3yr term)	-CIO -School admins -Board of Edu.	Summer 2023	-General	Approx. \$280,000 annually	Maintain 1:1 student-to-computer ratio, removal of device deficit for students in poverty.
AI-1	Purchase 3-Year Accident Coverage on all new 6 th -12 th grade student laptops	-CIO -Supt	Summer 2023	-General	\$102,240	Improved repair rates on student computers.



AI-1	Redistribute functioning current 6 th through 12 th grade student computers down to the elementary schools to cover kindergarten as well as bolster the device loaner program.	-CIO -School admins -STCs -Tech. dept.	Summer 2023	N/A	N/A	Maintain 1:1 student-to-computer ratio, removal of device deficit for students in poverty.
AA-2	Continue data center equipment lease payments for server, SAN, and core switch infrastructure.	-CIO -Net. Admin	On-going	-General funds	\$30,000	Quarterly invoice payments and budget reports. Always-on, always accessible network and data infrastructure.



Data Security, Safety & Privacy

Future Ready Gear

KETS GUIDING PRINCIPLE – Security, safety and privacy of student data is a cornerstone of digital learning. Policies and procedures are enacted at the state, district and school levels that work in conjunction for this purpose. Student data are then utilized by data fluent educators for improved decision-making leading to increased learning for students.

Areas of Emphasis: Areas of Acceleration (AA)  / Areas of Improvement (AI) 



AA-1

Continue to support districts in securely accessing and managing key student and administrative data sets through improved user experiences, refined data collection processes, continuously updated policies and practices regarding student data security, and timely access to data sets that improve the depth and efficiency of student learning (*Infinite Campus, Early Warning, MUNIS, eTranscripts, School Report Card*)



AA-2

Continue to identify key aspects of data security regularly to build upon the current systems, procedures and policies to remain a leader in mitigating emerging threats (*acceptable use policies, firewall updates, data privacy studies, digital citizenship, content filtering*)



AA-3

Continue to utilize adoption metrics or trending data for planning purposes that allow EdTech leaders to identify what’s working and what’s not working based upon data quality and evaluate current systems and solutions to determine effectiveness and future direction (*annual auditors, TELL survey, Technology Activity Report, Digital Readiness, Data Quality Study, Data Quality Campaign, BrightBytes, SpeakUp*)



AA-4

Continue to migrate key administrative and student data sets to secure cloud-based services that allow anywhere, anytime secure access for the improvement of student learning (*Infinite Campus, Early Warning, School Report Card, MUNIS*)



AA-5

Continue supporting teacher efforts in taking ownership of digital citizenship skills and education their student in the same skills to foster a secure digital learning environment



AI-1

Educate and support districts in the importance of personnel with duties related to student/staff data quality, security and privacy as well as bringing data privacy to the “radar screen” of teachers/staff (*The People Side of EdTech*)



AI-2

Kentucky K-12 Data systems are first-class but we need to do much better with district using the data available to them as well as providing visual data analytic tools allowing the data to be better understood and more interesting to the average person who does not have a technology and data background

DISTRICT TECHNOLOGY PLAN

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Purchase the annual renewal of Infinite Campus.	-CIO -Director of Pupil Personnel	Summer 2023	-General fund	Approx. \$17,500	Continued access to secure student data, Parent Portal, and Student Portal.
AA-5	Annual renewal of SafeSchools software licensing for data security and cyber safety training as well as other safety training.	-CIO -Director of Pupil Personnel	FY2024	-General fund	Approx. \$3,900	Employee course/assessment reports, reduction in reported malware/phishing attacks.
AA-1	Purchase annual renewal of the MUNIS financial system maintenance.	-CIO -Director of Finance	FY2024	-General fund	\$8,740	Continue, secure access to district financial operations and data.
AA-2	Continue review and adjustment of data security policies for staff/student in our Microsoft 365 services.	-CIO -Director of Finance -Network Admin -Supt.	Summer 2023	N/A	N/A	Reduce the number of staff and/or students that have red flags in security reports of key data types being stored in their Office 365 environment. (OneDrive, Exchange, etc.)
AA-1	Continue to implement Single Sign-On (SSO) in as many 3dr party applications as possible that the district utilizes on a day-to-day basis.	-CIO -Network admin	Summer 2023	N/A	N/A	Setup completion confirmation/s from all vendors involved. Staff will utilize their existing district Microsoft 365 accounts.
AA-1	Completion of the KETS Security Baseline Implementation began in FY23 by enabling MFA for all	-CIO -Net. Admin -Dist. Admins -School	Fall 2024	N/A	N/A	MFA registration reports from the Microsoft 365 and Azure Active Directory system.



	staff accounts	Admins				
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Budget & Resources


Future Ready Gear


KETS GUIDING PRINCIPLE – The Master Plan, as well as district and school technology plans, are aligned to the vision of 21st century skills for students and staff. Revenue streams are aligned to account for the recurring and nonrecurring total cost of ownership to support the 21st century learning environment in a manner that reflects good stewardship of tax dollars to include devices, infrastructure, support, data and human services.


Areas of Emphasis: Areas of Acceleration (AA)  /Areas of Improvement (AI) 


-  AA-1


Continue to maximize local and state education technology expenditures through a system of shared/brokered/managed services
-  AA-2

Continue use of long-term planning strategies that allow for continuity of initiatives and systems (*ex. Accounting for cost of ownership over the lifespan of equipment so monies are allocated for repairs/upgrades*)
-  AA-3


Continue to leverage all available state and federal funding opportunities to address required basic cost of living increases, previous budget cuts of basic services, projected growth by districts (*e.g. Internet consumption*) while maximizing education technology programs and initiatives (*Technology Need, E-rate*)
-  AA-4


Continue to migrate key administrative and student data sets to secure cloud-based services that allow anywhere, anytime secure access for the improvement of student learning (*Infinite Campus, Early Warning, School Report Card, MUNIS*)
-  AA-5

Continue supporting teacher efforts in taking ownership of digital citizenship skills and education their student in the same skills to foster a secure digital learning environment
-  AI-1

Make districts aware of position/roles requiring technology-related duties in support of technology and instruction (*The People side of K-12 EdTech*)
-  AI-2

Make districts aware of how to reduce expenditures on printing/print services (*both in consolidated contract pricing as well as shifting from paper to digital experiences*)

 **AI-3** Evaluate the need and explore new contracts that drive costs down for statewide summative online assessment, learning management systems, printing services and interim based assessments

 **AI-4** See an increased percentage of districts examining which education technology investments are or are not being maximized

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-3	Periodically analyze current district budgets with an eye towards reallocating some funding from sources other than the technology budget to maximize technology infrastructure and usage district wide.	-Superintendent -CIO -Director of Finance	Ongoing	-USF/E-Rate -KETS -General -Construction -Title V -ESS -ESSER -GEAR	Approx. \$950,000	-Lower student to computer ratio -Increased Internet usage monitored via the content filter. -Equipment inventory
AA-2	As part of Comprehensive District Improvement Planning (CDIP), we will continually look for ways to effectively incorporate technology initiatives within the educational improvement goals and activities.	-Superintendent -Director of Instruction -CIO -DLC	On-going	-Title I -KETS -General -ESSER 2.0 -ESS	TBD	
AA-3	Maximize funding for technology by fully matching KETS Offers, and applying for USF/E-Rate discounts on network infrastructure.	-CIO	On-going	-KETS -General fund -USF/E-rate	Approx. \$120,000	Board approval of district general fund match to KETS offers, funding commitment for E-Rate applications.



AA-2	Replace 25 of the failing and obsolete LCD projectors across the district.	-CIO -School admins	Summer 2023	-KETS	Approx. \$47,000	Improved visual clarity of digital content.
AI-1	Hire second desktop technician to support 1:1 initiative.	-CIO -Superintendent	Summer 2023	-General fund -CARES	Approx. \$48,000 (w/benefits incl.)	Improved repair/replacement time of student devices. Verifiable by technology work order ticket reporting.
AA-1	Continue use of the Infinite Campus Online Registration (OLR) service.	-CIO -DPP -School admins	Summer 2023	-KDE CARES funds	N/A	Reduced workload of school registrars and guidance counselors, improved accuracy student/parent demographic data.
AA-1	Continue use of negotiated district wide copier lease and services contract to reduce printing and maintenance costs.	-CIO -School admins	On-going	-General funds -Local school funds	Approx. \$10,000	Reduced lease pricing/payments. School utilization as existing leases expire. Improved device standardization.





Partnerships


Future Ready Gear


KETS GUIDING PRINCIPLE – Connecting students and educators to the local and global community is a key factor to student success. The Master Plan will continue to provide opportunities for trusted relationships to build those connections as well as increase communication and transparency with shareholders, including families, districts, vendors, regional education collaboratives, postsecondary institutions and business/industry, in support of student learning and preparation beyond K-12.


Areas of Emphasis: Areas of Acceleration (AA)  /Areas of Improvement (AI) 

-  **AA-1**

Continue to build trusted relationships with shareholders (families, districts, partners) that will reduce risk as well as increase transparency and communication (*districts, vendors, higher-education, regional cooperatives*)
-  **AA-2**

Continue to utilize avenues of communication with shareholders allowing pertinent information and dialog to further student learning efforts (*Webcasts, BrightBytes, Technology Activity Report, KETS Service Desk, Office of Education Accountability studies, independent studies, etc.*)
-  **AA-3**

Continue to utilize tools engaging postsecondary institutions, community members, districts and families in student learning and life after K-12 (*eTranscripts, School Report Card and Dashboard tool, Infinite Campus parent and student portal, KDE Open House, Digital Readiness Survey*)
-  **AI-1**

Partner with postsecondary pre-service teacher and principal programs to provide support in candidate preparation
-  **AI-2**

Encourage postsecondary institutions to host STLP events and /or more fully maximize the opportunity to showcase the university and its programs while students are on campus



KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Renew maintenance on KiNVO program from Kinvoled for improved parent/teacher and principal/parent communications and to reduce chronic absenteeism.	-Superintendent Cabinet	Fall 2023	-General fund	Approx. \$33,000	Messaging reports from, significant reduction in chronic absenteeism via Infinite Campus attendance reports.
AA-2	Continue partnership with CSI Inc. of Paducah to increase enrollment in IT Career Pathway as well as internships with CSI.	-Superintendent Cabinet -School admins	On-going	N/A	N/A	Increase in Information Technology class rosters, increase in number of internships with CSI Inc. of Paducah.
AA-3	Continue membership on the IT Advisory Board for the local college.	-CIO	On-going	N/A	N/A	Increased student enrollment in the local KCTCS Information Technology degree and certificate programs.
AA-1	Continue use of web Content Management System (Apptegy) for centralizing district/school web presence and social media connections	-CIO -Public Relations Officer	On-going	TBD	\$15,100	Increased district app, web site, and social media hits and participation.
AA-1	Maintain and expand Visix digital signage system to engage parents, students, and staff on school communications.	-CIO -PR Officer -School Admins	On-going	-General fund -School activity funds	Approx. \$8,000	Student/parent participation is school events. Installation completed at PTHS and PMS










Digital Curriculum, Instruction & Assessment

Future Ready Gear

KETS GUIDING PRINCIPLE – A digital learning experience is fostered by a teacher or coach with the use of rich digital instructional materials that are vetted to the rigor of Kentucky Academic Standards. A robust digital environment provides students with the opportunity to assess their own learning/progress.

Areas of Emphasis:  Areas of Acceleration (AA) /  Areas of Improvement (AI)

-  **AA-1** Continue to provide access to instruction digital content which further aligns to the Kentucky Digital Learning Guidelines
-  **AA-2** Continue providing opportunities for students to demonstrate learning connected to and through technology (*empowering students through technology with STLP, IT Academy, etc.*)
-  **AA-3** Continue to finalize and partner with Career and Technical Education (CTE) to promote Kentucky approved K-12 Computer Science Standards and Technology/Digital Literacy Content Standards (*based on International Society for Technology in Education standards*) for ALL students
-  **AA-4** Continue providing access to online assessment tools that allow teachers and administrators to assess student learning, provide timely feedback to students and make curriculum decisions (*online formative assessment tools, interim based assessments, and summative assessments*)
-  **AA-5** Continue to provide districts/classrooms access to digital instructional materials through an equitable of robust digital experience
-  **AI-1** Identify digital content and tools (curriculum, instruction and assessment) designed to have the highest impact and value (e.g. is the technology making or not making an instructional and learning difference?), including frequency of use by teachers and students
-  **AI-2** Create a closer connection with Career and Technical Education to expand information technology and computer science career pathway offerings specifically related to computer programming/coding and increase exams available through IT Academy



Play a vital role in implementation of summative online assessment and school report card and dashboard tool of the new assessment and accountability system

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Continue to purchase Microsoft 365 A3 licensing to ensure access to a host of district and classroom collaboration tools, digital video repository, and secure email and file storage	-CIO	Annually in July	KETS	Approx. \$19,200	Annual renewal purchase/confirmation. 30%-40% reduction in malware/phishing attacks on end users.
AA-1	Faculty will utilize Microsoft Teams Classrooms to facilitate anytime/anywhere access to curriculum.	-All faculty	On-going	KETS	TBD (x% of \$19.2K annual renewal cost)	-Student login reports -Gradebook sync to Infinite Campus
AA-4	Continue to purchase annual licensing renewal for Renaissance Learning system to maintain online assessment and intervention tools.	-Director of Instruction -School admins	On-going	-General fund -Title I -Title II	Approx. \$60,000	Continued, on-going progress tracking/monitoring of students can and will be performed within the assessment system (Renaissance Place) using various tools. (STAR Math, STAR Reader, STAR Early Literacy, etc.)
AA-4	Continue to maintain annual licensing renewals for Apex online courseware to provide digital content for both performance based	-Director of Instruction	On-going	-General fund -Title I	\$20,200	Class/Courseware enrollment rosters, student grade/completion reports.

	instruction as well as credit recovery.					
AA-4	Continue to maintain annual licensing renewals for Achieve 3000 online/digital content systems for reading and math.	-High school admins -Middle school admins	On-going	-Local school funds -General fund	Approx. \$20,000	Class/Courseware enrollment rosters, student grade/completion reports.
AA-4	Continue to renew Mastery Connect, IXL, and other digital content systems for reading and math.	-Director of Instruction - School admins -DLC	On-going	-District grants -School ESS	Approx. \$136,000	Class/Courseware enrollment rosters, student grade/completion reports.
AA-4	Purchase renewal of Gradecam for common assessments at the high school.	-Director of Instruction	Summer 2023		Approx. \$2,200	Student and teacher use, usage reports, assessments entered into Infinite Campus.
AA-3	Continue to incorporate the goals and academic expectations of the Technology components of the KAS into the district's curriculum.	-Director of Instruction -CIO -DLC -Faculty -School admins	On-going	N/A	N/A	Student pass/fail reports.
AA-3	Utilize the Digital Driver's License model for teaching digital literacy at Paducah Middle and Tilghman High Schools.	-DLC -CIO -Middle school technology teacher -High school digital media teacher	Fall 2023	N/A	N/A	Student course pass/fail reports.



AA-2	Provide financial and technical support to the district's STLP programs.	-CIO -School admins -Faculty	On-going	-General fund	\$3,750	Student participation reports.
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Personalized Professional Learning

Future Ready Gear

KETS GUIDING PRINCIPLE – Digital learning expands the access to quality strategies and experiences for educators beyond the traditional methods of professional development. A culture of digital collaboration, workflow and relationships allows educators to build skill sets and instructional best practices with colleagues globally. This approach of increased access and flexibility for professional learning ultimately leads to greater success for students.

Areas of Emphasis: Areas of Acceleration (AA)  / Areas of Improvement (AI) 



AA-1

Continue building a culture of digital collaboration and connected digital relationships that allow administrators to support and encourage the use of digital tools by staff for professional learning



AI-1

Provide district with guidance and support to determine crucial learning needs of teachers resulting in more professional learning opportunities related to digital learning tools



KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Continue using an online PLC team in Microsoft Teams for teachers and administrators to collaborate on and store curriculum maps and documents.	-Elementary faculty -Middle school faculty -High school faculty -Director of Instruction -CIO	On-going	N/A	N/A	Repository of curriculum maps and documents will be established and monitored by the Director of Instruction.
AA-1	Assist all school administrators in meeting key technology standards for administrators	-Director of Instruction -Superintendent -CIO -DLC	On-going	N/A	N/A	Employee evaluations
AA-1	Assist all school faculty in meeting key technology standards for teachers	-Director of Instruction -School admins -CIO -DLC	On-going	N/A	N/A	Employee evaluations
AI-1	Continue to provide financial and technical support for the Digital Learning Coach (DLC) program.	-CIO -DLC -School admins	On-going	-General fund -ESSER DLC Stipend (KDE)	\$8,400	Principal observations, technology work order reduction.



Use of Space & Time

Future Ready Gear

KETS GUIDING PRINCIPLE – The personalized learning environment for students requires reimagining the use of school space and time. Virtual instruction, cloud-based learning tools, digital instructional material, digital collaboration, digital workflows and digital relationships, etc., assist in providing the vehicle for anywhere, anytime learning.

Areas of Emphasis: Areas of Acceleration (AA)  /Areas of Improvement (AI) 



AA-1

Continue to provide guidance, support and resources for districts in the development and application of high quality online/virtual coursework as well as implementation of learning management systems



AI-1

Educate and support districts in the implementation and facilitation of digital learning tools and portable technologies that foster anywhere, anytime access for staff and students

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Utilize Microsoft Teams as the LMS for “flipped” classroom creation for all appropriate subjects and grades.	-CIO -School admins -Director of Instruction -DLC -AP teachers	On-going	-KETS -Headstart -local school funds	TBD (x% of \$19.2K annual renewal cost)	Class rosters, login/access reports, student grade reporting, student surveys
AI-1	School field trips to makerspaces at our new Innovation Hub	-CIO -School admins	FY 2024	-ESS -Local school funds	N/A	Elementary school field trips, room reservation system reports.

AA-1	Continue using online courseware: (Apex, Odysseyware, Racer Academy, Pearson MyMath Lab)	-CIO -High school admins -Director of Instruction -AP teachers	On-going	-General fund -Title I	Approx. \$20,200	Class rosters, login/access reports, student grades, student surveys
AA-1	Continue use of Microsoft Teams as the LMS for all schools grades 2 through 12.	-CIO -School admins -Director of Instruction -Faculty	On-going	-General fund -KETS	TBD (x% of \$19.2K annual renewal cost)	Class rosters, login/access reports, student grades, student surveys
AA-1	Continue after-school programs such as ESS and Lego Robotics, STLP, writing club, "Innovation Class," and "Kids" clubs to provide digital learning environments to further instruction beyond the typical school day.	-Family Resource Centers -Faculty -School admins	On-going	-local school funds -Title I	TBD	After-school student sign-in sheets. Club sign-up sheets.
AA-1	Provide extended professional development for faculty to train them on proper creation of digital content and student engagement for online learning environments.	-Faculty -CIO -DLC -School admins -Director of Instruction	Summer 2023	-General -ESSER	TBD	Online training attendance and participation. Created videos in virtual classes.