Kentucky Education Technology System DISTRICT TECHNOLOGY PLAN

DISTRICT NAME	Christian County Public School
LOCATION	Hopkinsville, KY
PLAN YEAR(S)	2022-2023



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Planning Team

District Staff [Recommended to include CIO/DTC, TIS/DLC, technician	n, finance officer, superintendent, academic officer, DAC, etc.]
Jason Wilson CIO/DTC	Chris Bentzel - Superintendent
Jessica Darnell - Finance Director	Jessica Addison - Assistant Superintendent
Josh Hunt - Assistant Superintendent	Rebecca Martin - Technology Support Manager

Building Staff [Recommended to include principals, LMS, STC, counselors, teachers, teaching assistants, etc.]			
Kadi Ralston - Secondary Instructional Supervisor	Kevin Crider - CCMS Principal		
Lori Dexter - Crofton Principal	Dana Gary - Pembroke Principal		
Carrie Caples - MLK Principal	Nicole Poindexter - HMS Principal		

Additional District Contributors [Recommended to include board members, SBDM members, program directors, etc.]			
Kim Stevenson - Director of Alternative Programs	Sandra Hancock - District Transition Coordinator		
Tracy Leath - Director of Federal Programs			

Students [Recommended to include middle and/or high school students]

Other [parents/community members, business and nonprofit leaders, etc.]		
Chris Tyson-Renshaw - DLC/Parent	Shea Walker - DLC/Parent	
Chris Nahlik - DLC		

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? Implementation of 1-to-1 initiated grades 7-12 Implementation of Canvas as the universal LMS grades 7-12 Increased device counts in grades K-6

Goals that were not met or didn't have the expected outcomes? There is still a need to increase usage of blended learning tools that are available to our staff.

Which strategies are dropping off the plan because you've met them or they aren't relevant now ? Implementation of 1-to-1, implementation of Canvas as LMS

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

We have aging projectors and projection in our schools. One focus this upcoming year will be to begin updating with IFPs. The board of education has also voted to consolidate our 2 high schools into 1. This comes with excitement as well as planning. The technology department is very heavily involved in this consolidation in order to ensure a smooth transition of services without interruption.

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?

Collaborative planning with our principals, directors, and technology staff. We also used district site visits.

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.

- We will continue to leverage KETS and E-Rate funding for several infrastructure projects.
- Technology Exchange July 2022
- Continued support to all schools with their student/parent data and Infinite Campus Online Registrations(OLR's)
- Continued support of parent and student IC portals
- Workstation replacement Millbrooke, Crofton, and Freedom
- Replacing teacher workstations with laptops and docking stations at MLK, Crofton, MI, and Freedom.
- Complete camera assessment at each district site
- Replace outdated cameras at HMS, partial replacement of Pembroke, and evaluate CCMS.
- Acquire funding for camera installation for blind spots that are not currently covered through school safety grant. Acquiring approximately 205 cameras to distribute throughout the district.
- Restore and replace technology at Pembroke that was damage due to December 2021 tornadoes
- Replace 120 battery backups using e-rate funding at all eligible locations
- continue to replace chromebooks at elementary schools approx 1500 this year
- replacing projectors and smart boards with IFPs
- work on expanding student help desk and repairs of devices
- seeking additional funding to support ½ DLC
- begging evaluating new phone systems to replace our current CS1K
- begin having an elementary "tech slam" event to highlight all the softwares and apps available within district

Over the past year CCPS has been able to go 1-to-1 grades K-12. Our 7-12 grade students carry devices between school and home and our K-6 students have classroom sets of devices that stay at school. The CCPS Tech Department has been able to add an additional ½ DLC over the past year. Funding for that position was temporary and we have been able to budget and secure funds to keep this position for the future. CCPS has also implemented an evaluation protocol between the instructional department and technology department before schools and departments purchase software/apps. We continue to bridge the gap between technology and instruction. The focus for CCPS has now shifted from how to make technology happen for our students to how we maintain what we have started. CCPS believes in the power and need of technology and we are on an exciting trajectory to meeting the needs of our students and community.

Student Voice

Personalized student 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)?

• Yes, we currently use the Studer Education Group to collect responses from students. Our superintendent also has a student advisory council that he uses to gather student insight. The student advisory council has about 30 students from each high school.

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.

Our board of education has voted to consolidate our 2 high schools into 1. Using the student advisory council for the superintendent we have been able to make changes to the design and scope of this consolidation project.

KETS Master Plan Areas of Emphasis

Connected to the Future Ready Framework

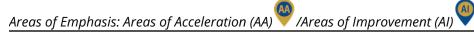
The Future Ready Framework identifies seven Gears to assist districts in developing a roadmap for student success through personalized student learning and collaborative leadership. The KETS Master Plan has identified 37 Areas of Emphasis connected to the Future Ready Framework and are categorized as 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.



🤷 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
	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 <i>(fewer traditional computer labs)</i>

KETS AA or Al	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA2	Upgrade wireless network with a brokered network as a service partner including collapsing to a single SSID.	CIO, Vendor Partner	completed by Aug 1, 2022	Erate KETS General Fund Federal Program Grant School-based Other	\$5000	Usage increases by 50% and devices connected increases by 20% per day.
AA-1	Continue to provide the latest innovations and technology features to keep availability of a reliable, high speed network infrastructure.	DTC, Tech Staff, Vendor partner	On Going	KETS, eRate, General Funds as needed	To be determined	Student and staff will have access to a reliable network for improved teaching and learning. Assessed in annual survey.
AA-2	Provide adequate technology staff to support infrastructure and administrative needs	DTC, Finance Officer	On Going	General Funds KETS	To be determined	Increased opportunity for support structures promoting the use of personalized learning environments
AA-3	Provide and maintain high density wireless coverage for all district locations	DTC, Tech Staff, Vendor Partner	On-going	KETS General Fund Erate	To be determined	Increased opportunity for access to high speed and reliable network for improved teaching and learning.
AI-1	Continue to refresh rate on end user devices by budgeting needed funds	DTC; District Support Team; Vendor; CFO	ongoing/yearly	General Fund	\$506,000	We will continue to replace outdated devices throughout the district. Replacing traditional computer labs with mobile devices.
AI-1	Continue to plan for sustainability of 1-to-1 initiative for 7-12	DTC, Superintend ent, finance director	on going	ESSR, GEAR, General Fund	\$500,000	We will plan for and replace 1800 chromebooks a year. This would allow for all chromebooks to be replaced over a 5 year period.

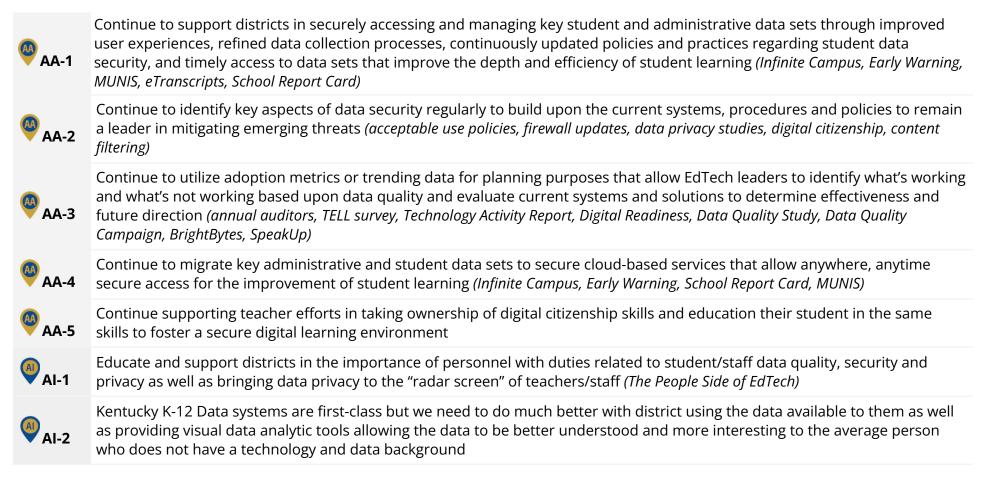


Data Security, Safety & Privacy Future Ready Gear

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)





KETS AA or Al	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-2	Enabling MFA for all admin and certified staff	DTC, Tech staff, district admin	August 2022	n/a	n/a	all certified and administrative accounts have MFA enabled
AA-5	 Digital Driver's License faculty/staff/studen ts are required to complete DDL before granted access to our wireless on personal devices all 5th graders are to complete the DDL by April 2020 	DTC, DLC, School/District Administrators	annually/ ongoing	provided by state	\$0	Reports of 100% of 5th grade students completion of DDL.
AI-1	Annual confidentiality training to include data security and privacy as well as permissioning issues and communication (SSN, IEP, FRAM, Google, etc.) District IC team user groups and rights.	Director of Personnel School Administrators District Support Team	required upon employment			Professional learning records of training completion. Updated policies/procedures regarding data security/privacy
AA-5	Continue to offer the Technology Exchange for professional development to all staff.	DTC; DST; DLC; TIP's	yearly	General Fund	\$3000	EventBrite sign in data and professional development hours logged in Frontline.
AA-1	Continue to provide Technology infrastructure support to the departments that use and administer these systems.	DTC,DPP, Finance, HR, Instruction	On going, Daily			Department feedback

AA-2	Continue to update and adjust the acceptable use policy and train students and staff of acceptable use of technology	DTC	Ongoing		signed AUP by staff and students
AA-4	Continue to support All Schools with their student/parent data and OLR's	DTC, Dir of System Support, Student Data Specialist	Ongoing		IC report
AA-4	Continue to create and support Parent/Student IC Portal	DTC, Dir of System Support, Student Data Specialist	Ongoing		IC report
AA-1	Continue to provide clean data and current data in IC fields related to households, health, counselors, medications, flags, emergency contacts, SSID numbers, email, custom tabs, and addresses	DTC, Dir of System Support, Student Data Specialist	Ongoing		IC reports
AA-2	Making sure each staff member has 15 character passphrase, as well as implement MFA for users with elevated rights	DTC, District Admin, CFO	ongoing		
AA-2	Continue to migrate to SSO where available (i.e. IC, Frontline, Zoom, etc)	All staff	ongoing		



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)



	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)
🧠 АА-З	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 (<i>e.g. Internet consumption</i>) while maximizing education technology programs and initiatives (<i>Technology Need, E-rate</i>)
	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)
🧠 АА-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 Al	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-3	Take full advantage of E-rate & KETS funding to maximize technology across the district.	DTC	ongoing	KETS Matching Funds		
AA-2	Continue to budget and utilize maintenance contracts through vendors (Extreme Networks, Continuant, iBoss, etc)	DTC	ongoing	General Fund	\$100,000	
AA-5	Continue to offer Tech Exchange with focus on Blended Learning	Tech team and Instructional team	July 2022	ESSR, GEAR, General	< \$10,000	teacher successful implementation of blended learning tools and applications
AI-4	Work with instructional department to maximize district funds for softwares and subscriptions using Relay Analytics	DTC and Director of instruction	on-going	multiple	、	
AI-1	Procure addition ½ time DLC/PAC Coordinator	DTC, Asst. Superintend ent		General		



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) ^(W)/Areas of Improvement (AI)

🧶 🗛-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.)
🚳 АА-З	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 Al	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AI-2	District STLP Showcase to come back for 2022/2023	DTC, STLP District Co., STLP Coordinators	Spring 2023	General	Annually	Media recognition, advancement to State competition.
Al-1	Working with Murray State to Provide interns network access	DTC, MSU coordinator	on-going	none		interns are able to access necessary network pieces
AA-1	Hire district communications director	superintend ent, hiring committee	July 202	general		communication director is hired and in place and begins sharing the story of CCPS as well as managing our online footprint



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)

	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.)
🚳 АА-З	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
Al Al-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
AI-3	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 Al	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Purchase Canvas as a LMS for grades 7-12	Teachers, students, DTC, Director of Instruction	ongoing	Cares Act, general fund	\$120,000	
AA-1	Continue to provide Microsoft productivity tools to improve classroom and school collaboration as well as additional management and security tools to benefit and protect users via access to yearly renewal of A3 Office 365 licensing with ATP.	DTC	Annually	District Technology Budget	\$52,000	Yearly renewal and a 50% decrease in malware/phishing attacks on users.
AA-1	Teachers will use Google Classroom and educational Google Apps to guide enhance effective instruction through resources provided by the district and through partnership with Alice Keeler	DLC, TIPs, Teachers	Ongoing	Gear	\$10,000	increased implementation, more blended learning strategies modeled and used, more pleasurable experience for students and families
AA-1	Support the CCPS Virtual Learning Academy and their implementation of blended learning model	DTC, DLC, Dir of Curriculum/ Instruction	ongoing	Curriculum/ Instruction and General ESSR		



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) ^W/Areas of Improvement (AI)



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

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 Al	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Utilize PCP teams in both primary and secondary levels to implement strategies for blended learning	School Administrati on, PCP members	ongoing	General Fund	\$12,000	Sign in sheets during faculty meetings; increased use of blended learning tools
AI-1	Technology Exchange is held yearly where teachers are able to personalize the learning that they receive. The tech exchange accounts for a minimum of 2 hours of professional learning	DTC; DLC; Vendors; DST	June 1, 2020 and annually	General Fund	\$10,000	PD Certificates
AA-1	Working with Viewsonic on	DTC, DLC,	begin July 2022	general	\$3000	teachers utilizing IFPs in classroom

	implementation of IFPs	building principals				and they become natural parts of instruction
AI-1	Elementary Tech Slam	DLC, instructional dept.	Beginning March 2022 and continuing yearly	N/A	N/a	teachers and schools begin utilizing available district resource as measured by usage reports



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) ^(W)/Areas of Improvement (AI)



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

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 Al	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Provide elementary tech slam	DTC, DLC	April 2022	n/a	n/a	teachers and admin are able to make informed purchasing decisions and learn what all the district offers
AA-1	build content into canvas using Florida Virtual Learning	DTC, DLC, VLA admin	on-going	Title IV		students are able to complete online courses and recover needed credits