

Kentucky Education Technology System DISTRICT TECHNOLOGY PLAN

DISTRICT NAME Boyd County Public Schools

LOCATION Ashland, KY

PLAN YEAR(S) 2024-2025



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Planning Team

District Staff [Recommended to include CIO/DTC, DLC, technician, finance officer, superintendent, academic officer, DAC, etc.]	
Cindy Pontier, CIO	Scott Burchett, Finance Officer
Bill Boblett, Superintendent	Marci Prater, District Administrator
Sam Williams, DTC, Network Admin	Matt Spade, District Administrator
Janice Marcum, Chief Academic Officer, DAC	
Building Staff [Recommended to include principals, LMS, STC, counselors, teachers, teaching assistants, etc.]	
School Principals	DLCs (Digital Learning Coaches)
STCs (School Technology Coordinators)	
Additional District Contributors [Recommended to include board members, SBDM members, program directors, etc.]	
Board of Education Members	Doug Smith, District Technology Tech
Brad Williams, District Technology Tech	Trevor Lyon, District Technology Tech
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?

- We received our approved USAC (CAT2) equipment for FY22 and successfully installed it at all locations last June. The new HPE/Aruba equipment has seamlessly blended in with our existing Extreme equipment.
- Ensuring data security remains our top priority. We have implemented SAML/IC integration MUNIS/TID W. These initiatives significantly enhance the security of our high-risk data platforms, Infinite Campus and MUNIS.
- We would like to recognize Summit Elementary as the winners of our first STLP (Student Technology Leadership Program) State competition last spring. We are proud of our ongoing progress in this program, which fosters the development of student leaders in technology.
- We have completed the RAM upgrade project on all teacher work stations to better support instructional technology, thereby enhancing student instruction.

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

- Over the past year, we began replacing the traditional hard disk drives in staff computers with solid-state drives. This upgrade is intended to enhance computer performance speed, which is crucial for supporting student instruction and minimizing staff frustration. As of now, we have completed approximately 50 percent of the upgrades and expect to finish this process by the end of summer.

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

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

- During the summer, Boyd County Public Schools purchased a building and land next to BCHS to facilitate the relocation of Boyd County Central to a new site. To ensure a cost-effective and timely internet connection for this new location, we chose to construct and manage our own fiber network instead of leasing from a vendor. As of March 2024, we have finished building the fiber infrastructure for Boyd County Central's new premises.
- The Kentucky Department Office of Education Technology awarded the new contract for our state's Internet provider to Education Networks Of America (ENA). This involved transitioning all school districts from ATT to ENA by the end of June 2024. Throughout the summer and fall, Boyd County worked through coordinated phases with ENA/KDE to prepare for the transition to ENA services. Boyd County successfully migrated to ENA service on February 19, 2024. This transition also upgraded our connection speed from 1GB to 5 GB, resulting in faster connections.

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?

- We have and continue to examine budgets to determine the best way to support our students and staff with instructional needs despite the loss of ESSER funds. As of this plan, we are preparing for the 2024-2025 academic year by ensuring the continuation of all technology platforms currently funded by the district to support instruction. Additionally, we have committed to infrastructure upgrades at every instructional building for the upcoming year.

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 persist in assessing our Chromebook needs on an annual basis to accommodate end-of-life scenarios, losses, unrecovered devices, and damages, all in support of sustaining our 1:1 Chromebook initiative. Google has provided relief by extending the Chromebook usage lifespan from 5-year licenses to 10-year licenses, effective April 2024. This extension will alleviate the need for as frequent student device purchases due to end-of-life issues. Naturally, there will always be losses and replacement requirements arising from lost, damaged, and unreturned devices to schools.
- We continuously assess our current infrastructure and perform necessary upgrades to our wireless access points, routers, switches, and other networking equipment to accommodate our growing technology requirements. For FY24, we submitted an application for CAT2 services with USAC in order to utilize our allocated budget and leverage USAC funding, covering 85% of the costs for our networking upgrades totaling \$328,236.53. Pending USAC's approval, we awarded the contract to HPE/Aruba/RTI. This contract encompasses networking enhancements at Cannonsburg Elementary, Catlettsburg Elementary, Summit Elementary, Ponderosa, Boyd County Central, Boyd County Middle School, and Boyd County High School. Additionally, we have allocated funds in the budget for future infrastructure upgrades at BCCTEC, which will commence upon the completion of construction.
- Ensuring the security of district data remains a top priority for us. We are actively engaging in staff education initiatives focused on data security and best practices. Following recommendations from both Microsoft and the Kentucky Department Office of Education Technology, we have transitioned all staff to exclusively using the Microsoft Authentication app for multi-factor authentication. To enhance our defenses against phishing and spoofing attempts, we have implemented external sender banners in our district emails to help staff identify potential threats. Our team continuously monitors our active directory and conducts regular clean-ups to mitigate vulnerabilities in this area. As an added precautionary measure, we have activated Password Expiration Summary reporting to alert staff when it is time to change their passwords

within the required timeframe, ensuring passwords remain current and less susceptible to breaches. Furthermore, we are reassessing and considering reducing administrative access to staff computers as an additional layer of security. Despite potential inconveniences, this measure aligns with recommendations from cybersecurity training sessions. Collaboration with our Director of Pupil Personnel/IC Administrator is ongoing to explore ways to enhance best practices for protecting our IC data. We remain committed to maintaining the highest standards of data security across our district.

- We are committed to offering ongoing professional development to assist our staff with mastering both our existing and new technology platforms, as well as all curriculum initiatives. Chief Information Officer, Cindy Pontier, will collaborate with our Chief Academic Officer, Janice Marcum, to organize summer sessions aimed at supporting our staff for the upcoming academic year of 2024-2025. Our School Digital Learning Coaches, District Instructional Coaches, and teacher leaders will play integral roles in delivering professional learning opportunities and providing support where needed.
- In the present year, we restricted students' access to AI (Artificial Intelligence) while permitting staff access due to the rapid expansion of AI, which did not allow leave much time for preparing best practices. We are awaiting the outcome of Senate 52 prior to looking what works best for our district and/or establishing guidelines, procedures, and best practices for our district.
- We must upgrade all district computers to Windows 11 by October 14, 2025. We acknowledge that some of our devices may not meet the requirements for this upgrade. Over the next few months, we will assess the extent of this issue and allocate funds to replace the district's devices that cannot support the Windows 11 upgrade.
- Technology will continue to support all technology needs with the ongoing projects of: Cannonsburg Elementary remodel, the new construction of BCCTEC, and the relocation of Boyd County Central into its new site.
- At the time of this plan, we do not plan on offering the Virtual Academy instructional option for 2024-2025.

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)?

No

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.

KETS Master Plan Areas of Emphasis

Connected to the Future Ready Framework

The Future Ready Framework identifies eight Gears to assist districts in developing a roadmap for student success through personalized student learning and collaborative leadership. The KETS Master Plan has identified 44 Areas of Emphasis connected to the Future Ready Framework and are categorized as either *1) Acceleration Area (AA)* or *2) Growth Opportunity Area (GO)*. The “acceleration areas” are considered big wins, successes, and major milestones of the KETS are identified for continuation work. The “growth opportunity areas” address improvement targets for the Master Plan.

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 44 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.



Collaborative Leadership

Future Ready Gear

KETS GUIDING PRINCIPLE – Collaborative leadership creates a shared vision of digital teaching and learning, an environment of collaboration (where partners make stuff together), encourages embracing innovation and empowerment, and a culture of evidence-based systems and processes.

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)



AA-1

Continue to use structures providing opportunities for feedback from shareholders and evidence of how KETS systems and processes are working or not working (360 feedback, CIO Summit)



AA-2

Continue the fostering of strategic partnerships and collaborations among educational institutions, technology companies, policymakers, and community organizations. Develop networks that facilitate knowledge exchange, collaborative research, and resource-sharing to promote innovation and address common challenges in education technology.



AA-3

Continue the recognition and support for the crucial role of teachers as leaders in educational technology integration. Provide professional learning opportunities and resources that enable teachers to develop expertise in leveraging technology to enhance instruction and student engagement.



GO-1

Improve collaboration among educators, technologists, administrators, and researchers to foster a holistic approach to education technology development, implementation, and evaluation. Encourage open channels of communication and provide platforms for sharing best practices, ideas, and resources across different disciplines and institutions.

DISTRICT TECHNOLOGY PLAN

Your District Name

KETS AA or GO	Strategy/Action Item	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-2 GO-1	Continue the fostering of strategic partnerships and collaborations among Region 7 technology departments (along with DTC listserv and KySTE opportunities/CIO Summit) and vendors.	CIO DTC and Techs	Ongoing	KETS General Funds	To be determined	Attendance records at meetings, DTC listserv logs, KySTE participation
AA-3	Support a Digital Learning Coaching program to recognize and support the crucial role of teachers as leaders in educational technology integration.	CIO, District Admins, School Admins, KDE Digital Learning Team	Ongoing	KETS PD Funds General Funds	To be determined	Regional DLC Meetings, District/School DLC Meetings, Professional Development Logs
AA-3	Utilize Digital Learning coaches to provide professional learning opportunities and resources that enable teachers to develop expertise in leveraging technology to enhance instruction and student engagement.	CIO, School Admins	Ongoing	KETS PD Funds General Funds	To be determined	PD Attendance Logs, Formal/informal classroom evaluations



Robust Infrastructure & Ecosystem

Future Ready Gear

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

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)



AA-1

Continue to provide nation’s first, fastest, highest quality, and most reliable and secure 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 provide digital equity and foster a culture of digital connectedness for students and staff by ensuring access to a 1:1 device assignment, prioritizing mobile devices over traditional computer labs, and providing consistent Wi-Fi coverage throughout schools. This approach emphasizes always-on, everywhere seamless digital opportunity and access, and includes an emphasis on empowering schools/districts to have a full understanding of digital access beyond the campus



AA-4

Continue to encourage the use of instructional programs and administrative processes requiring cloud-based services



AA-5

Continue to implement efficient and effective interoperability strategies with statewide, districts, and schools EdTech systems and platforms (including integrations and seamless data exchange). Interoperability strategies aim to enhance user experiences and drive administrative efficiencies with education technologies.



GO-1

Improve responsive EdTech support systems by securing leadership positions designed to make decisions to improve teaching and learning through technology integration. This role outlines the district’s vision for education technology, implements digital learning strategies, and ensures that technology resources align with students’ learning needs. Responsibilities and expectations are primarily focused on understanding the educational needs and challenges of the district with a “seat at the table.” Responsibilities would likely include influencing district-level budget conversations, leading planning efforts, research, procuring state and federal program funding, and establishing overall direction and vision of using technology for school efficiencies and instruction/learning.



GO-2

Improve formal cycles for review, refresh, and replacement - ensure upgrades, additions, and when called for, sunsetting/eliminations in a timely, environmentally responsible and proactive manner of devices, infrastructure, and digital tools and resources. Where possible, teams make concerted efforts to automate systems to drive effectiveness and efficiency. (This is also connected to budget gear)

KETS AA or GO	Strategy/Action Items	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-2	Continue to support wireless infrastructure and work towards saturation.	CIO, DTC, Vendor Partner	Ongoing	Erate KETS General Fund- 15% of the cost of the project	To be determined	ENA Console Wireless usage logs
AA-2	Replace Network switches as needed	CIO, DTC, Vendor Partner	Ongoing	Erate KETS General Fund- 15% of the cost of the project	To be determined	The new equipment will provide a stronger and more secure network
AA-2	Replace/install UPS battery backups as needed	CIO, DTC, Vendor Partner	Ongoing	Erate KETS General Fund	To be determined	Provides protection of our networking equipment, provides a safe way for the equipment to power down and back up after power outages. We will have fewer network outages and loss of configuration due to forced shutdowns during power outages or surges.
AA-2	Continue to repair, update, expand servers, routers, and other networking equipment as needed.	CIO, DTC Vendor Partner	Ongoing	Erate KETS General Funds	To be determined	New equipment will provide a stronger, reliable and more secure network
AA-3	Ensuring access to 1:1 device assignment and prioritizing mobile devices over traditional computer labs while providing Wi-Fi coverage	CIO, DTC, School Device Managers	Ongoing	KETS General Funds	To be determined	Online Registration Wireless Network logs Google Chrome Console
AA-4	Support a safe and monitored school	CIO, DTC, Maintenance	Ongoing	General Fund Safe Schools	To be determined	Safe Schools Report

	environment.	Director, Safe Schools Director				
AA-4	Continue to encourage the use of instructional programs and administrative processes requiring cloud-based services.	CIO, DTC	Ongoing	KETS General Fund	To be determined	Google Analytics Clever Analytics
AA-5	Utilizing Microsoft Multi-Factor Authentication, Federated IDs, IC2AD (Charlie Box), Clever to accomplish single sign-on interoperability-awaiting CUES	CIO, DTC	Ongoing	General Funds, KETS	To be determined	Microsoft Azure Clever Management Console IC2AD (Charlie Box) Daily Updates
GO-2	Utilize Google's New Extended 10-year license (end of life) to extend device replacement timeframes.	CIO,DTC	Ongoing	Generals Funds, Schools Funds	To be determined	Google Management Console



Data Security, Safety, Privacy & Use

Future Ready Gear

KETS GUIDING PRINCIPLE – Strategic use of student data is a cornerstone of digital learning and must be done securely, safely, and with a focus on maintaining privacy. Laws, policies, and procedures are enacted at the federal, state, district, and school levels that work in conjunction for this purpose. Student data are then utilized by security-aware, data-fluent, and data-informed educators for improved decision making leading to increased learning for students.

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)



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 and instructional leaders to identify what’s working and what’s not working based upon data quality and evaluate current systems and solutions to determine the effectiveness and future direction (*annual auditors, Impact survey, Technology Activity Report, Digital Readiness, Data Quality Study, Data Quality Campaign, SpeakUp*)



AA-4

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



GO-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*)



GO-2

Improve and enhance the tools available to maximize the use of data through enhanced reporting, tools that help improve data quality, and visual data analytic tools. Kentucky K-12 data systems are first-class, and we need enhanced tools to create a more usable and more interesting story for the average person who may not have a technology and data background.

KETS AA or GO	Strategy/Action Items	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-2	Regularly monitor and modify as needed Lightspeed and Lightspeed Relay policies to enable effective instruction and mitigate emerging threats.	CIO DTC	Ongoing	No Cost to District	\$0	Lightspeed logs
AA-3	Continue to use surveys of stakeholders and use results to develop a plan for improvement of resources and services	District Admin staff	Annually	Provided by State	\$0	Impact Survey, Student voice, Technology Activity Report, Digital Readiness Survey
GO-1	Recurring confidentiality training to include data security and privacy.	District Admin Staff	Annually	General Fund	\$0	Staff Meeting Agendas
GO-1	Utilize Microsoft A3 Security license provided by KDE to enable Multi-factor authentication and self-service password reset for all staff district-wide.	KDE CIO DTC	Ongoing	No Cost to District	\$0	Review Azure reports
GO-1	Enable Multi-factor authentication for Infinite Campus and MUNIS	KDE CIO DTC	Ongoing	No Cost to District	\$0	Review IC and MUNIS User Reports



Budget & Resources

Future Ready Gear

KETS GUIDING PRINCIPLE – The Master Plan, as well as district and school technology plans, are aligned to the vision for digital teaching and learning for students and staff. Revenue streams are aligned to account for the recurring and nonrecurring total cost of ownership to support the modernized and personalized learning experiences (and environment) in a manner that reflects good stewardship of tax dollars to include devices, infrastructure, support, data and human capital services. (i.e. The People Side of EdTech)

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)



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)*



GO-1

Educate districts on the ongoing cost of position/roles requiring technology-related duties in support of technology and instruction as well as modern drivers that require differentiated and strategic staffing models *(The People side of K-12 EdTech)*



GO-2

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



GO-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



GO-4

See an increased percentage of districts examining which education technology investments are or are not being maximized (through adoption, frequency of use, and impact)

KETS AA or GO	Strategy/Action Items	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-2	Plan and budget accordingly to upgrade/replace/refresh staff and student devices	CIO Superintendent Finance Director	Annually	KETS PSC General Fund Federal Relief Funds where applicable	To be determined	Digital Readiness Survey Technology Activity Report School Report Card
AA-3	Apply for E-rate funds as eligibility and budget allow.	CIO Finance Director Superintendent	Annually	USAC KETS General Fund Federal Relief Funds where applicable	To be determined	USAC Application Approval
GO-1	Continual evaluation of staff allocations to support district technology initiatives.	District Admin team	Ongoing	General Fund Federal Relief Funds where applicable	To be determined	The ratio of devices to technicians The ratio of students to Digital Learning Coaches Alignment with KDE recommendations for technology staff
GO-1	Provide staff to adequately fill technology support roles and services in instructional and technical areas (DLC, STLP, Robotics, IT Staff, etc...)	BOE District Leadership	Ongoing	General Fund KETS Federal Relief Funds where applicable	To be determined	KDE People Side of Technology Document
GO-2	Continue evaluation of printing/print services and investigate methods to reduce expenditures	CIO Finance Director School Admins	Ongoing	General Fund	To be determined	Review printing services contracts TAR Report



Partnerships

Future Ready Gear

KETS GUIDING PRINCIPLE – Connecting students, leaders, 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, public libraries, and business/industry, in support of student learning and preparation beyond K-12.

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)



AA-1

Continue to build trusted relationships with shareholders (families, districts, partners) to increase engagement, outreach, and connecting classroom experiences outside of school. *(districts, vendors, higher-education, regional education cooperatives, KET, KyVL)*



AA-2

Continue to utilize avenues of communication with shareholders allowing pertinent information and dialog to further student learning efforts *(Webcasts, 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)*



GO-1

Partner with postsecondary pre-service teacher and principal programs to provide support in candidate preparation, especially in regard to student project-based demonstrations of technology competencies; get more students on college/university campuses while they are a K-12 student. Encourage postsecondary institutions (as well as other partners) to host STLP events and/or fully maximize the opportunity to showcase the university and its programs while students are on campus



GO-2

Improve access to resources and professional learning for district-based online/virtual and remote learning programs to engage in continuous improvement in order to create high-quality online learning experiences for students

KETS AA or GO	Strategy/Action Items	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Maintain a District website, mobile and social media presence.	District Admin Team	Ongoing	KETS General Fund	\$10,000	Data usage logs
AA-2	Work with local businesses or organizations to support student technology initiatives.	Educational Stakeholders	Ongoing	N/A	\$0	Reduction in overall non-participation numbers



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 (KAS). A robust digital environment provides students with the opportunity to assess their own learning/progress towards mastery of content/skills or utilize instructional technology to provide timely feedback that moves learning forward. Digital curriculum and instruction can also provide students the opportunity to create digital products showcasing a deep understanding of core competencies of every subject, demonstrating mastery of Kentucky Academic Standards for Technology, and utilizing digital collaboration tools that provide a realistic connection to postsecondary and career readiness.

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)



AA-1

Continue to provide access to high-quality learning experiences which further aligns to the Kentucky Digital Learning Guidelines



AA-2

Continue to promote, for ALL students, the use of Kentucky-approved/adopted Kentucky Academic Standards (KAS) for Technology, KAS for Computer Science, and KAS for Library Media Learning *(all based on national and international learner standards)*



AA-3

Continue providing opportunities for students to demonstrate learning connected to and through KAS for Technology, KAS for Computer Science, and KAS for Library Media Learning *(empowering students through technology with STLP, CS/IT Academy, etc.)*



AA-4

Continue to provide efficient and effective 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 high-quality and effective digital instructional materials through an equitable and robust digital experience



AA-6

Continue to support teacher efforts in taking ownership of digital citizenship skills and educating their students in the same skills to foster a responsible, safe, secure, and empowered digital learning environment.

 <p>AA-7</p>	<p>Continue to play a vital role in implementation of summative online assessment and school report card</p>
 <p>AA-8</p>	<p>Continue to create a closer connection with Career and Technical Education to explain computer science career pathway offerings specifically related to computer programming/coding and increase valuable industry-level certifications and exams available through the CS & IT Academy</p>
 <p>GO-1</p>	<p>Identify high-quality 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</p>
 <p>GO-2</p>	<p>Encourage, engage, and empower the safe and responsible uses of Artificial Intelligence (AI) into school efficiency and the learning space by teachers and students (ensuring humans remain in the loop with strong AI implementations)</p>

KETS AA or GO	Strategy/Action Item	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1 AA-4	Collaborate with Leadership as well as teachers to ensure the provision of HQIR Digital Resources for Classroom Instruction and for Universal Screener/Assessment.	CAO/DAC CIO District and School Admins/ITeacher Leaders	Ongoing	General Fund	To be determined	Clever Usage Logs Formative and Summative Assessments STAR Reports
AA-3	Student Technology Leadership Program (STLP)	CIO School STLP Coordinators	Ongoing	General Fund	\$7500	STLP Competition Participation and Results
AA-2	Incorporate the Library Media/Computer Science/Technology Standards for all students in Library Media/STEM Lessons	Principals CAO Instructional Teacher Leaders DLCs Computer Science	Ongoing	No Cost	No cost	Lesson Plans Classroom Evaluations/Walkthroughs Student Work

DISTRICT TECHNOLOGY PLAN

Your District Name

		Teachers				
AA-6	Support teachers in the instruction of digital citizenship skills.	CIO, Library Media Specialists, STCs	Ongoing	None	\$0	Common Sense Lessons and documentation School Assemblies Guest Speakers Lesson plans School Reports
AA-7	Support online state summative assessments at elementary, middle, and high schools levels and support School Report Card district wide.	CIO, DTC, CAO/DAC, BACs, and School Principals	Ongoing	No Cost	No Cost	Issue free testing sessions Completed School Report Card
GO-2	Encourage, engage, and empower the safe and responsible uses of Artificial Intelligence (AI)	CIO, DLCs, District/School Admins	Ongoing	No Cost	No Cost	Professional Development



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: Acceleration Area (AA) /Growth Opportunity Areas (GO)



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



AA-2

Continue to promote and support the design and implementation of coaching models as a high-quality professional learning strategy (digital learning coach network, STLP coach network, etc)



GO-1

Provide districts with guidance and support to determine the learning needs of teachers resulting in high-quality professional learning opportunities related to digital curriculum and learning tools

KETS AA or GO	Strategy/Action Item	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Staff will be trained to utilize Google Workspace for Education to encourage digital collaboration. Use of Interactive panels to provide HQI and to collaborate globally with students and colleagues	CIO School Digital Learning Coaches	Ongoing	Title 1 General Fund	\$0	Track number of educators using Google tools via Google Console Management Professional Learning and walk-through documentation.

DISTRICT TECHNOLOGY PLAN

Your District Name

AI-1	Staff will be trained on and encouraged to certify in various micro-credential programs as well as National Board Certifications.	District Admin Staff	Ongoing	Title I General Fund	To be determined	Track number of educators receiving micro-credentials. Track number of educators receiving their National Board Certification.
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 regarding our streamlined virtual instruction protocol/tools	CIO, School Admin, CAO, School DLCs, Instructional Teacher Leaders	Ongoing	No Cost to District	No Cost To District	Google Analytics, PD Evaluations, Virtual Learning Participation
AA-2	Will continue to develop our School DLCs and School STLP coordinators by having district meetings, participate in regional and state DLC meetings, participate in State STLP Quick Shot virtual meetings/videos while aligning with technology standards	CIO School DLCs School STLP Coordinators	Ongoing	KETS	To be determined	Meeting attendance logs Participation/success at STLP events



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, digital efficiencies, and digital relationships, etc., assist in providing the vehicle for everywhere, all-the-time teaching and learning.

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)



AA-1

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



GO-1

Educate and support districts in the implementation and facilitation of digital learning tools and portable/mobile technologies that foster everywhere, all-the-time, always on, and 'always on you' access for staff and students

KETS AA or GO	Strategy/Action Item	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Encourage the use of Google Classroom, Seesaw, and other online tools to deliver high quality instruction.	ALL	Ongoing	N/A	\$0	Google Admin console Lightspeed logs SeeSaw Weekly Reports
GO-1	Educate and support teachers and parents in the implementation of digital learning tools and portable technologies that foster anywhere, anytime access for staff and students.	All	Ongoing	To be determined	To be determined	Teacher Surveys, Parent Surveys, Clever Logs, Google Logs, SeeSaw Weekly Reports

