

# Kentucky Education Technology System DISTRICT TECHNOLOGY PLAN

**DISTRICT NAME** Cumberland County School District

**LOCATION** Burkesville, KY

**PLAN YEAR(S)** 2024-2025



[cumberland.kyschools.us](http://cumberland.kyschools.us)

# Table of Contents

[Table of Contents](#)

[Planning Team](#)

[Previous Year's Strategies Evaluation](#)

[Upcoming Year's Strategies Preview](#)

[Student Voice](#)

[KETS Master Plan Areas of Emphasis](#)

[Collaborative Leadership](#)

[Robust Infrastructure & Ecosystem](#)

[Data Security, Safety, Privacy & Use](#)

[Budget & Resources](#)

[Partnerships](#)

[Digital Learning, Curriculum, Instruction & Assessment](#)

[Personalized Professional Learning](#)

[Use of Space & Time](#)

## Planning Team

District Staff	
Kirk Biggerstaff, Superintendent	Paige LaGrange, Chief Information Officer
Michelle Cash, Instructional Supervisor	Jeremy Gore, Network Administrator
Jason Dodson, Director Pupil Personnel, District Assessment Coordinator	Lisa Perdue, Early Childhood Education Supervisor
Kristi Willen, Chief Finance Officer	Heather Muse, Director Exceptional Education
Building Staff [Recommended to include principals, LMS, STC, counselors, teachers, teaching assistants, etc.]	
Erika Hurt, CCES Principal	Hannah Hopper, CCES Assistant Principal
Valerie Shelley, CCMS Principal	Nathan Garner, CCMS Assistant Principal
Josh Henderson, CCHS Principal	Tabatha Moons, CCHS Assistant Principal and CCHS LMS
	Nathalie Vincent, CCMS Counselor and CCMS LMS
Additional District Contributors [Recommended to include board members, SBDM members, program directors, etc.]	
Students [Recommended to include middle and/or high school students ]	
CJ Brown	Treasure Peacock
Landon Decker	Isaiah Claywell
Kinley Booher	Charlee Smith
Andrew Alexander	
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?*

**\*Robust Infrastructure & Ecosystem**

- 150 New Chromebooks purchased and deployed at CCES for student use, 50 New Chromebooks purchased and deployed at CCMS, CCHS considering purchase of 50 supplemental chromebooks.
- All teacher and staff devices refreshed with SSDs to enhance use.
- Server Analysis completed and servers purchased.
- Security System Software installed on appropriate user devices. System working effectively.

**\*Data Security, Safety, and Privacy**

- Implemented new data security training for staff
- All staff enrolled in Google 2-Factor Authentication/Microsoft users enrolled in MFA.

**\*Budget and Resources**

- ESSER Funds used to upgrade IT workstations, district virtual meeting capabilities, UPS units, and servers
- PaperCut and Cloud Printing Capabilities for staff working well

**\*Partnerships**

- ParentSquare has been adopted and is widely used for communication between the school district and community members, parents, guardians, and students.

**\*Digital Curriculum, Instruction, and Assessment**

- Purchased and implemented iReady to use district wide for diagnostic assessment grades K-12.
- Purchase KSA components for use with Masteryprep to prepare for EOY testing.
- All three schools had an STLP program available for student participation.

**\*Personalized Professional Learning**

- IC Interchange provided learning opportunities and information was brought back to the district leadership.
- Regional CIO and EdTech meetings provided valuable information regarding upcoming initiatives and emerging technologies.

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

**\*Robust Infrastructure & Ecosystem**

- Server install in progress - completion and migration anticipated by beginning of year 24-25.
- CCES Rewiring project delayed due to construction.

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

**\*Robust Infrastructure & Ecosystem**

- New security system hardware and software deployment completed. Continued maintenance as needed.
- Server evaluation and purchase completed.

**\*Data Security, Safety, & Privacy**

- 2-Factor Authentication for Google for Education Services implemented for all staff. Continued enforcement as part of regular operations.

**\*Budget and Resources**

- District lease of copiers for each school completed - due to renew 27-28 SY.

## **\*Partnerships**

- Little Panthers have adopted and use ParentSquare to communicate with parents and guardians.

## **\*Digital Curriculum, Instruction, and Assessment**

- MAP and CERT no longer used, updated to iReady for screening.
- CodeMonkey will no longer be offered at CCMS and CCHS, but will continue to be offered at CCES

## **\*Personalized Professional Learning**

- DLC position no longer occupied - update to "CIO will support classroom teachers as needed."

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

## **\*Robust Infrastructure & Ecosystem**

- Staff machines to be replaced with new models to provide mobility and eliminate re-purchase of teacher chromebooks in addition to desktops.
- Add wi-fi access points to the Central Office.
- Add dedicated guest segment to wireless network
- Purchase chromebooks for CCHS in accordance with EOL and replacement needs.

## **\*Data Security, Safety, & Privacy**

- Update acceptable use policy to indicate apps that now require permission for users under 18 via Google SSO.

## **\*Budget and Resources**

- In-house website for PO system failed. Considering a replacement option.

## **\*Digital Curriculum, Instruction, and Assessment**

- Web-based subscriptions are very robust. Need to reevaluate use and necessity.
- IC Data tracking/analysis availability - new training opportunities.

## **\*Personalized Professional Learning**

- Offer, and take advantage of, professional learning opportunities related to AI in the classroom.

## 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?*

- Members of the planning team meet at various times throughout the year and discuss ideas, needs, and goals for the district. Given the size of the district, there are continued day-to-day interactions between the members of the planning team providing a dynamic flow of ideas for the plan. These interactions occur both in a formal and informal setting.
- Surveys are offered to different sectors of the district user population (i.e., teachers, students, building leaders) providing a sample of needs and desires from the end user perspective.
- End of life information and software subscription use is provided to building administrators to assist with the decision making process relating to the purchase of new devices and software renewals.

From the survey results and meetings with leadership, an updated draft, which includes identified needs and goals, is created and presented to the leadership team for final review. The final plan is then presented to the board for approval.

*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.*

1. Replace all teacher and school staff workstations with a new model: *Currently all teachers have a desktop workstation that is over 5 years old and a teacher chromebook that was purchased in 2019-2020. As both devices are due for replacement, the district has opted to lease new laptops for teachers and most staff with the exception of Bookkeepers and Attendance Clerks who will receive new desktop machines. The goal is to provide a consistently reliable and mobile workstation to allow teachers and staff to efficiently and effectively perform their duties without interruption in instruction.*
2. Add a separate segment to the network for guest traffic: *By opening an avenue for guest traffic, students, teachers, and administrators will more easily be able to provide and receive interactions with guest speakers and trainers who visit the school.*
3. Replace student chromebooks that have reached the end of life: *This will provide students with reliable devices for academic pursuits.*
4. Streamline software purchases across the district: *Consolidate software options that are duplicated, eliminate software that is not used or used minimally. The intention is to create a more uniform software experience for students across the district, relieving the learning curve of new software and also eliminating the sense of being overwhelmed with options for teachers, and learners.*
5. Continue to research and develop policies to address the emergence of AI in the classroom: *Survey results indicate a need and desire for more information in this area. This will help teachers incorporate AI in a positive way and develop strategies to use with their lessons to provide students with opportunities to become acquainted with the emerging technology and its use in a constructive manner. KDE's guidance along with industry leaders' insights will be used to guide policy construction and teacher development.*

## 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)?*

We currently use a district-created survey to gain insights from students relating to the digital learning environment. The survey is administered to the Superintendent's Advisory Council who represent students in each school and grade levels 5-12.

*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.*

**Data Point 1: Do you feel like you have access to the technology that you need to succeed academically?** All students surveyed agreed that they have access to the technology that they need. Some students indicated that they may even have too much technology.

**Take Away:** Continue to maintain adequate access to working devices, SSO to classroom applications, and strong wi-fi. Streamline software applications.

**Data Point 2: Are there any courses, learning opportunities, or work opportunities relating to technology that you would like to see?** One CCHS student acknowledged that he would like a course on the general use of Google related tools and the Chromebook - "a computer class". There was also mention of allowing students to help the IT department by working on chromebooks. The others did not provide any further requests.

**Take Away:** Consider developing a voluntary class to allow students to explore the Google Workspace for Education Suite and possibly the mechanics of the chromebook (i.e., screen, battery, and keyboard replacement), maybe encourage students who are interested to seek Google Level 1 Certification.

**Data Point 3: Do you feel like you have enough opportunities to explore current and emerging technologies to make you more successful when entering college or the workforce?** All students agreed that with their courses and opportunities in clubs like STLP, they have adequate opportunities.

**Take Away:** Continue to support extra-curricular activities like STLP and other technology-related interest groups. Continue to promote the use of CodeMonkey and other programming language courses to encourage exploration of coding at all levels.

**Data Point 4: Students were asked: What do we do well, or what could we improve upon in the IT department to better serve you (the students)?** Students indicated that we do a good job keeping them safe by blocking "bad stuff" and they did not have any suggestions for improvement at the time.

**Take Away:** Continue to support students and provide a safe environment for them to explore by maintaining policies on filters and keeping up on emerging trends in data security and privacy for children.

# 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.

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)
GO-1	Continue open door policy allowing shareholders to make requests, share ideas, and feedback regarding resources used/needed in the district directly with the CIO.	CIO, Superintendent, Admin, Principals, Teachers, Staff, Students	2024-2025	NA	NA	Feedback from shareholders. Survey results. Ticket closure - notes.
GO-1	Active participation in district leadership meetings to gauge technology needs and use by the leadership team.	CIO, Network Admin, District Leadership Team	2024-2025	NA	NA	Transfer of knowledge between district leadership and IT Department.
GO-1	Participation in regional and state level technician, CIO, DLC, and KYSTE meetings, message boards, communication, etc.	CIO, Network Admin	2024-2025	Technology Fund	\$3000.00	Improved service to shareholders. Transfer of knowledge from CIO and Net. Admin to shareholders.
AA-1	Provide an annual technology survey to gain insights from shareholders relating to their experiences with technology within the district.	CIO, District Shareholders	2024-2025	NA	NA	Responses offer insights for improvement and direction.
AA-2	Collaboration with the Kentucky Virtual Library to provide access to KYVL resources.	CIO, LMS	2024-2025	General	\$1300.00	Usage Reports
AA-2	Collaboration as needed	CIO, Network	2024-2025	NA	NA	End user experience.

	with Somerset Community College, Campbellsville University, Western Kentucky University, and any other schools or institutions providing dual credit, professional development, or advanced coursework through web-based learning opportunities for students, teachers, and administrators.	Admin, Guidance, Educators, Students				
AA-3	CIO will provide professional development opportunities to teachers and district staff. Topics for 2024-2025 based on survey results - AI, Classroom Software, IC. Other PD for data security and awareness are also provided during summer PD. Any other training is provided as requested by school/district leadership.	CIO, District Leadership, Teachers, Staff	2024-2025	NA	NA	Participation count Feedback from participants Technology Survey










### **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)*

 <b>AA-1</b>	Continue to provide nation's first, fastest, highest quality, and most reliable and secure internet access to 100% of Kentucky's public schools
 <b>AA-2</b>	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
 <b>AA-3</b>	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
 <b>AA-4</b>	Continue to encourage the use of instructional programs and administrative processes requiring cloud-based services
 <b>AA-5</b>	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.
 <b>GO-1</b>	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.
 <b>GO-2</b>	Improve formal cycles for review, refresh, and replacement - ensure upgrades, additions, and when called for, sunset/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-1	Migration to NGKI network to offer faster and more reliable internet services.	CIO, Network Admin, Vendor Partner	completed by July 1, 2025	KETS	Unknown	Increased (Bandwidth?) Network stability End user experience feedback
AA-1	Rewire Cumberland County Elementary School to Cat-6a pending renovation schedule. Current network cabling Cat-5.	Superintendent, Principal, Network Admin, CIO	2023-2026	General E-Rate	\$11,065.72 \$62,705.75	Network stability for wired devices
AA-2	Updated server configuration and installation.	Network Admin, Vendor Partner, CIO	Completed by August 1, 2025	ESSER Funds - already purchased 23-24 SY.	\$30,500.00	Servers will be installed and running efficiently. End user experience. Monitoring reports
AA-2	Increase ease of use and reliability of guest wi-fi access by adding a separate guest segment onto the current wireless network.	CIO, Network Admin, Vendor Partner	Completed by August 1, 2025	Part of the server upgrade configuration.	NA	Guest users will be able to access the network. Reports of network traffic.
AA-2	Install additional APs at CCBOE to increase wireless connectivity in areas of the building.	CIO, Network Admin	2024-2025	NA	NA	Access points repurposed from a building that was removed from the district due to construction.
AA-2	Renew SysAid (or alternative solution) to provide a ticketing system, offer timely support, and inventory monitoring of end user system health.	CIO, Network Admin	2024-2025	Technology General	\$3500.00	Reports of ticket open/closure.
AA-2	Continued support of security camera hardware and software district-wide	CIO Network admin, Superintendent,	2024-2025	Safety	NA	End user experience feedback.

# DISTRICT TECHNOLOGY PLAN

Cumberland County Schools

		School Administrators, SROs				
AA-2 / AA-3/ Go-2	Lease and deploy new teacher laptops and staff devices for CCES, CCMS, and CCHS	CIO, Principals, District Leadership Team	2024-2025	Site Base Funds by school.	\$95,000.00 over 4 years	End user experience feedback. Service ticket reports.
AA-3/Go-2	Evaluate and monitor current student devices. Refresh student 1:1 devices (Chromebooks) on a 5 year rotation cycle, or EOL cycle depending on wear and tear of the devices.	CIO, Network Admin, Superintendent, Principals, Grant Admin, Finance Officer	Scaffolded Timeline	Title 1 Gear-up Grant	\$55,000.00	Replaced on timeline, EOL schedule or device failure.
AA-3	Continue to monitor and support consistent and reliable wi-fi access throughout the district with network enterprise licenses, software support, CloudIQ Site Engine, and Extreme CloudIQ Pilot	Network Admin, CIO	2024-2025	Technology General	\$6667.00	Network uptime End user experience feedback
AA-3	Renew PDQ for managed district-wide software install.	Network Admin, CIO	2024-2025	Technology General	\$1000.00	Program performance
AA-4	Continue to use Clever platform to offer SSO access to cloud-based classroom applications.	CIO, District Leadership	2024-2025	NA	NA - Free Service	Software reports
AA-4	Update and manage learning interoperability, rostering, and SSO features of IC, Google Workspace for Education, Lightspeed Relay, etc.	CIO, District Leadership	2024-2025	NA	NA	End user experience feedback
Go-1	CIO will work with district	CIO,	2024-2025	NA	NA	Continuous improvement planning

	and school leadership to provide information on emerging technology in education, assess any technology needs and challenges facing the district, and develop strategies to support the district's vision of technology use for school efficiency and classroom teaching/learning.	Superintendent, Instructional Supervisor, District Leadership Team, Principals, Teachers, Network Admin				Survey results
Go-2	Adopt and implement the use of CUES to assist with more connected user experience.	CIO, Network Admin	2024-2025	KDE	KDE	End user feedback



### **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*)

 <b>AA-3</b>	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 ( <i>annual auditors, Impact survey, Technology Activity Report, Digital Readiness, Data Quality Study, Data Quality Campaign, SpeakUp</i> )
 <b>AA-4</b>	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 ( <i>Infinite Campus, Early Warning, School Report Card, MUNIS</i> )
 <b>GO-1</b>	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 ( <i>The People Side of EdTech</i> )
 <b>GO-2</b>	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-1	Encourage use of, and provide support/training for Infinite Campus Early Warning Features and Data Insights to assess key data points on student progress and needs.	CIO, District Leadership, Principals, Guidance	2024-2025	NA	NA	Present to key users Assist with data representation and reporting as requested. User response
AA-1	CIO will assist as needed in procuring data for the school report card, digital readiness survey, and other reporting needs.	CIO, Principals, District Leadership	2024-2025	NA	NA	Reports submitted on time.
AA-2	Review and update acceptable use policies to address any needs that emerged over the course of	CIO, District Leadership, Principals	2024-2025	NA	NA	Updated Acceptable Use Policy

	the previous year.					
AA-2	Continue to enforce MFA for Google and Microsoft Cloud Services as well as Infinite Campus for Faculty and Staff along with regular passphrase updates.	CIO, District Leadership	2024-2025	NA	NA	15 character minimum passphrase required to change every 180 days.
AA-2	Continue to encourage teachers to promote positive digital citizenship practices in the classroom.	CIO, District Leadership, Principals, Teachers	2024-2025	NA	NA	Lesson Plans Participation in school programs to promote digital citizenship
AA-2	Renew Lightspeed Relay for filtering services across the district, as well as Classroom Relay and Lightspeed Mobile Device Manager to provide a safe environment for students to use the internet.	CIO, District Leadership, KDE	2024-2025	Relay Provided by KDE, MDM purchased with SBDM, General Fund, Title I	\$1500.00/year	Reports
AA-2	Continue to review and evaluate software privacy and use policies. Inform teachers and leadership of the importance of using resources that maintain the privacy of our students.	CIO, Vendors	2024-2025	NA	NA	HB5 Agreements from software vendors.
AA-2	Continue use of SAML login for Infinite Campus	CIO, Network Admin	Ongoing	NA	NA	More secure method for signing in to IC.
AA-3	Review and audit software usage on an annual basis to inform leadership for decision making on future purchases.	CIO, Principals	2024-2025	NA	NA	Use data for decision making purposes
AA-4	Continue using secure cloud based service providers (Google, IC, Munis, etc.) for	CIO, District Leadership, Administrators	2024-2025	Title 1, General Fund	Included in the cost of Google, IC,	Usage Reports



	key administrative duties and student data.				Munis, etc.	
Go-1	Provide in-house professional development opportunities and compliance training that stress the importance of data quality, security, and data privacy to teachers and staff.	CIO, District Leadership, Staff	2024-2025	NA	NA	PD Attendance Exit Survey Completion of Fortinet Security Awareness Training Modules



## 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-1	Continue to use software and other resources that are at least partially subsidized by grant funding or KDE contract in lieu of more expensive resources.	CIO, Network Admin, Finance Officer, Dist. Leadership	Ongoing	NA	NA	Maintain Budget
AA-2	Annual meeting with the finance officer to discuss technology budget and technology items of concern - End of Life on certain equipment, warranty renewals, etc.	CIO, Network Admin Finance Officer	Summer 2024	General Fund	\$100,000	Needs assessment results and budgetary action plan.
AA-2	Living database of servers, computers, etc used to make informed decisions regarding refreshing and replacing infrastructure and equipment.	CIO, Network Admin, District Leadership, Principals Finance Officer	2024-2025	NA	NA	Cycle out older machines/devices. Up-to-date fleet of machines/devices.
AA-3	Assist in obtaining grant	CIO,	2024-2025	NA	NA	Grant rewards

	funding for technology related High Quality Instructional Resources as needed.	Superintendent, Principals				
Go-4	Review usage data and teacher experience regarding software purchased to determine following year purchases.	CIO, Principals, District Leadership, End Users	2024-2025	NA	NA	Release unused or minimally used software. Maintain budget Usage reports



## 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

**GO-2**

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

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	Promote the use of Infinite Campus Parent Portal for guardians to access student information associated to education-related data	CIO, Principals, Guidance,	2024-2025	NA	NA	Number of parents participating in OLR Reports of portal usage
AA-1	Continue to provide technical support to administrators, educators, and staff participating in educational cooperatives and training experiences.	CIO, Network Admin, Superintendent, District Leadership (DPP, Instructional Supervisor)	2024-2025	Title 1, SBDM, General Fund	\$1000.00	EILA Credit PD logs Certifications earned
AA-1	Continue to use KYVL services in all three schools to provide high-quality resources to students and teachers.	Library Media Specialist, Teachers	2024-2025	Title 1, General Fund	\$1355.00	Usage Reports.
AA-2	Continue use of ParentSquare to communicate with parents and community members regarding school and district events.	CIO, District Leadership, Principles, Teachers, Coaches, etc.	2024-2025	General Fund	\$3900.00	Usage Reports

AA-2	Maintain an up-to-date district-branded website and social media pages that provide information on current events within each school and the district. (Finalsite, Meta, X, etc.)	CIO, PR Representative, Principals, District Leadership	2024-2025	General Fund	\$5195.00	Social Media responses. Website traffic
AA-3	Maintain and reference technology database to provide information for School Report Card, Digital Readiness Report, etc.	CIO, Network Admin	2024-2025	NA	NA	School Report Card and Digital Readiness Report submission.
AA-3	Support the use of Parchment and other e-transcript services as needed.	CIO, Network Admin Guidance	2024-2025	NA	NA	End user feedback
Go-1	Support partnership with Campbellsville University and Somerset Community College to provide access to resources and encourage teacher formation (EPSB, AI, etc.), and experiences in computer technology through in-person and online coursework and club participation (FBLA).	CIO, Network Admin, Instructors, Club Sponsors, Principals	2024-2025	NA	NA	End user experience.
Go-2	Support access to online teacher training such as LETRS, First Year Experience, ALM, Fortinet Security Awareness, etc.	CIO, Network Admin, District Leadership, Teachers/Staff	2024-2025	NA	NA	End-user experience.
Go-2	Support teacher access to certification exams (Praxis) as needed.	CIO, Network Admin, Teacher/Staff	2024-2025	NA	End User Purchase	End-user experience.



## 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.

**AA-7**

Continue to play a vital role in implementation of summative online assessment and school report card

**AA-8**

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

**GO-1**

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

**GO-2**

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)

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	Continue to provide access to CodeMonkey for students in Grades K-5, and digital learning experiences for grades 6-12.	CIO, District Leadership, Principals, Teachers, Students	2024-2025	Title 1	\$4700.00	Usage reports, Student experience surveys,
AA-2 & AA-5	Technology will continue to be used to increase student engagement, provide diverse, interesting, and interactive content, and increase student-centered activities.	Principals, Teachers, CIO, Network Admin, Inst. Supervisor	2024-Ongoing	Title1, SBDM, Grants	NA Covered elsewhere	Teacher lesson plans, Walkthrough data, Observations
AA-2 & AA-5	Teachers will continue to use Google Classroom and other Google Workspace for Education Plus apps to deliver instruction.	Principals Teachers Instructional Supervisor, CIO, Net. Admin	2024-Ongoing	General, Title 1	\$4750.00	Walkthrough data Classrooms created Lesson Plans

AA-3	Teachers will embed age-appropriate technology standards within course content.	Principals, Teachers, CIO, Net. Admin, Instructional Supervisor	2024-Ongoing	NA	NA	Evaluations, Pacing Guides, Student Work, Lesson Plans
AA-3	Students at all three schools will have the opportunity to participate in STLP at after-school meetings, mentoring activities, and at regional and state competitions.	CIO, STLP Coaches, Teachers, Principals	2024-Ongoing	STLP	\$300.00	Sign-in sheets, Competition participation
AA-3	Teachers will introduce and incorporate AI prompting into classroom activities based on district policies for AI use.	Teachers, Principals, Instructional Supervisor, CIO	2024-Ongoing	NA	NA	Student projects, Lesson plans Walkthrough data
AA-3	Students will continue to participate in CTE courses at the local high school and area technology center.	Principals	2024-Ongoing	NA	NA	Master Schedule, Student Schedules
AA-4	Pear Assessment (formerly Edulastic) will be used for summative assessments (and formative assessments as desired) throughout the district.	Principals, Teachers, CIO, Instructional Supervisor	2024-Ongoing	Title1 SBDM	\$4500.00	Data Tracker Student Assessment Data
AA-4	iReady Universal Screener will be used throughout the district to evaluate reading and math performance levels for all grades. In addition, Mastery Prep will be used grades 6-12, and Lexia and STAR Assessments will continue to be used for CCES Students.	Principals, Teachers, Instructional Supervisor, CIO, Network Admin	2024-Ongoing	Title1, SBDM, Gear-up, KYCL, RDIF Grant,	\$12,000.00	Student Assessment Data Data Trackers



AA-4	Edulastic and Mastery Prep KSA module will be used to assist students in recognizing and navigating technology-enhanced assessment items similar to those presented on state administered assessments (KPREP, etc.)	Principals, Teachers, District and Building Assessment Coordinators, Instructional Supervisor	2024-Ongoing	Title 1, SBDM	NA	Successful completion rate of assessment within allotted time frame. Assessment reports.
AA-4	Administrators will be trained to use Infinite Campus Insight tools for tracking student progress and to identify possible areas to target to improve GRAD scores for students.	CIO, Principals, Guidance, Instructional Supervisor, Superintendent	2024-Ongoing	NA	NA	IC Access Reports
AA-4	Data Trackers used by teachers to diagnose and address student needs for guiding instruction and intervention.	Principals, Teachers, Instructional Supervisor, Superintendent	2024-Ongoing	NA	NA	Guided planning discussions Curriculum and Instruction planning
AA-4 & AA-5	KYCL and RDIF Grants provide access to online and paper resources for Tier 2 and Tier 3 intervention. Lexia, LETRS, Read 180, System 44, iReady, and HMH for Grades K-5	Teachers, Principals, Literacy Coaches, Instructional Supervisor	2024-Ongoing	Grant	\$100,000.00	Student data, Teacher Lesson plans, Read 180, Lexia, and Sys. 44 data
AA-4	Continue to support I-Excel testing for Gifted and Talented program and students	GT Coordinator, CIO	2024-2025	Grant	\$1250.00	Reports from Assessment
AA-5	Provide, support, and maintain use of various online collaborative tools including (Google Meet, Microsoft Teams, Gmail,	Superintendent, CIO, Network Admin, Principals, Teachers	2024-2025	NA	NA	Tool use reports

	ParentSquare/StudentSquare, etc.) for teacher collaboration experiences and instruction delivery for NTI days.					
AA-5	Use PBLs online platform to offer students learning opportunities that include STEM challenges, Critical/Creative Thinking Exercises, Escape Rooms/Forensic Sciences and remote learning exercises for all classroom teachers and students. (Includes weekly emails for Professional Development)	GT Coordinator, Instructional Supervisor, Teachers	2024-2025	Title 1	\$535.00	Activity log for staff and students
AA5	Continue to support access to online digital content through Clever. Apps include, but not limited to, Brainpop, Read180/Sys.44, ExactPath, PearAssessment, Simple Solutions, Renaissance, Amplify Science, StemScopes, Delta Math, MasteryPrep, iReady, Lexia, Flat, Newsella, Sadier, Kognity, MasteryPrepKSA, etc.	Principals, Teachers, CIO, Network Admin, Instructional Supervisor	2024-Ongoing	Title 1, SBDM, Grants, Gear-up	\$100,000.00	Student progress monitoring for each subscription, Program Usage Reports, Teacher feedback
AA-6	CIO will train teachers, LMS, and admin regarding KDE guidance on Artificial Intelligence and assist in implementing viable practices into the classroom	CIO, Superintendent, Instructional Supervisor, Teachers	2024-2025	NA	NA	Lesson plans, Participant feedback, Walkthrough data, EOY Survey
AA-6	CIO will survey teachers at the end of the year to guide	CIO, Superintendent,	2024-2025	NA	NA	Survey Results Training completion

	professional development planning for teacher needs in order to support efforts in educating their students regarding digital citizenship.	Instructional Supervisor, Principals, Teachers				
AA-6	Continue to provide and support the use of Classroom Relay to monitor student digital activity in the classroom.	CIO, Network Admin, Teachers, Principals	2024-2025	General	\$2400.00	End user feedback.
AA-7	Continue to support and set-up devices for use with online summative assessments (KSA, ACT, etc.)	CIO, Network Admin, Principals, DAC, BAC	2024-2025	NA	NA	Access to assessments
AA-7	CIO will provide technology-related information to each school for school report card and Digital Readiness Report.	CIO, Superintendent, Principals, District Leadership.	2024-2025	NA	NA	Posted Reports.
AA-8	CCHS STLP Coordinator will encourage students to participate in IT and CS certification training and assessment opportunities as they arise.	CIO, STLP Coordinator	2024-2025	NA	NA	Certification Testing Participation
Go-1	CIO will assess digital learning tool usage on an annual basis and share with building principals to guide future purchases.	CIO, Principals, Instructional Supervisor	2024-2025	NA	NA	Usage Reports
GO-2	CIO will seek out opportunities to learn about guidance and techniques related to AI implementation in schools and share that information with interested	CIO, Superintendent, District Leadership, Principals, Teachers,	2024-2025	NA	NA	Meeting outcomes Policy development

	stakeholders so that they may develop policies for district use and implementation.	Board Members				
--	---	---------------	--	--	--	--






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)

 <b>AA-1</b>	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
 <b>AA-2</b>	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)
 <b>GO-1</b>	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	Continue to support the use of Google Meet and Teams for collaboration, training, and briefings between state	CIO, Network Admin, Administrator, Teachers	2024-ongoing	General	Included in Google Workspace for	Technology survey results. Reports.

	and local entities.				Education Suite	
AA-1	Technology professional development will be offered district-wide based on annual survey results.	CIO, Network Admin	2024-2025	NA	NA	Technology Planning Survey Results
AA-1	Continue to support Google Certification for interested users.	Superintendent, Principals, Instructional Supervisor, CIO, Teachers	2024-2025	SBDM, Title 1	\$2500.00	Increased effectiveness and efficiency for teachers and students using google tools.
AA-1	Support technology needs for the Annual Fall District Leadership Training - Lead by Superintendent	Superintendent	2024-2025	General, Title I		Evaluation of Training
AA-1	In-house vertical alignment professional development (which includes discussions relating to technology resources) provided for all content K-12 teachers .	Superintendent, Instructional Supervisor, Principals, CIO	2024-2025	NA	NA	Pacing Guides, Calendars
AA-1	Technology Staff will regularly attend EdTech Leadership meetings such as the Region 2 CIO and Technician meetings, monthly State EdTech Leader meeting, IC Conference, and KYSTE fall and/or spring conferences	CIO, Network Admin	2024-2025	Technology	\$1000.00	Evaluation of Training
AA-1 and AA-2	Literacy Academies Training is provided to identified teachers Grades PreK-12 through virtual cohorts, and in-person events at GRECC	KYCL Grant Coordinator, Principals	2024-2025	KYCL	Grant Provision	Evaluation of Training, Reports, Assessment Scores, Lesson Plans

AA-1 and AA-2	Technology updates and offers for training and support will be shared with district teachers and staff as needed.	CIO	2023-2024	NA	NA	
AA-2	CIO will continue to follow the DLC network to stay up to date on current trends in EdTech HQPL strategies.	CIO, District Leadership	2024-Ongoing	NA	NA	Introduction of new strategies
AA-2	STLP Coaches will participate in STLP meeting and message boards to develop STLP programs within the district.	CIO, STLP coaches	2024-Ongoing	NA	NA	Continued development and growth of STLP program
GO-1	CIO will release guidance and assist teachers with implementation relating to Artificial Intelligence in the classroom in accordance with district policies.	CIO, Superintendent, Instructional Supervisor, Principals	2024-2025	NA	NA	Survey End user feedback
GO-1	CIO will provide support to classroom teachers as needed with in-person and virtual instructional needs.	CIO, Instructional Supervisor	2024-2025	NA	NA	Effective use of technology in classroom, end user feedback



### ***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	Continue to support cloud based learning opportunities for students requiring a virtual environment in which to learn. (i.e., Home Hospital, Panther Virtual Academy, Non-Trad.I Instruction Days)	CIO, Principals, DPP, PVA/HH Instructor, Classroom Teachers	2024-Ongoing	NA	NA	User feedback. Completion of coursework. Reports.
AA-1	Continue to support remote learning for dual-credit students within the district using blackboard, moodle, and canvas.	CIO, Network Admin, Principal, Guidance, Students	2024 - Ongoing	Additional Courses are the responsibility of the student.	NA	User feedback.
AA-1	Continued support of teacher and student use of Google Classroom and Clever for online access anytime, anywhere.	CIO, Principals, Teachers, Students	2024-Ongoing	NA	NA	User feedback.
GO-1	CIO will offer professional development opportunities for teachers and staff to support digital learning experiences and anywhere-anytime access to teaching and learning tools.	CIO, Principals, Teachers, Staff	2024-2025	General	\$1500.00	PD Surveys

