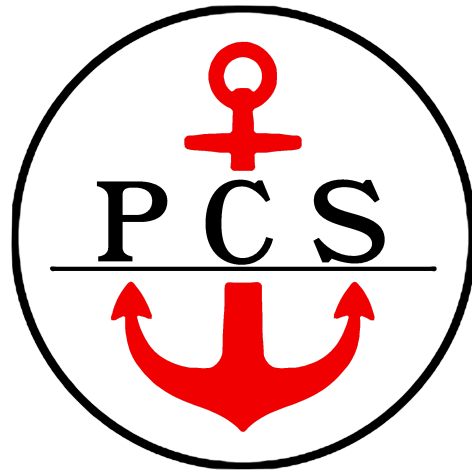


Kentucky Education Technology System DISTRICT TECHNOLOGY PLAN

DISTRICT NAME Powell County Schools

LOCATION Stanton, KY

PLAN YEAR(S) 2022-2025 (2024 Update)



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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 [Recommended to include CIO/DTC, DLC, technician, finance officer, superintendent, academic officer, DAC, etc.]	
Ashley Randall, Chief Information Officer	Christopher Carpenter, Network Engineer
Sarah Wasson, Superintendent	John Crowe, Lead Technician
Tonya Roach, Supervisor of Instruction	Travis Shane Morris, Technician
Alicia Frazier, Chief Financial Officer	
Building Staff [Recommended to include principals, LMS, STC, counselors, teachers, teaching assistants, etc.]	
Lyndsey Spencer, Counselor	Amy Hamm-Hall, Teacher
Crystal Neal, Librarian	Christopher Roberts, Classified Staff
Karen Faulkner Rogers, Classified Staff	
Additional District Contributors [Recommended to include board members, SBDM members, program directors, etc.]	
Meredith Robinson, DPP	
Students [Recommended to include middle and/or high school students]	
Other [parents/community members, business and nonprofit leaders, etc.]	
Mark Collier, Parent	Ian Morton, Parent
Bethany Baker, Parent	Andrew Edwards, Parent
Chad Poe, Parent	Jason Rose, Parent
Evan Kinser, Community Member	Brandy Henderson, Community Member
Travis Isaacs, Community Member	Anna Faulkner, Community Member

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.

We were able to implement a great deal of successful initiatives in the 2022-2023 school year. Although we aim for sustainable growth, we were able to make great strides. The following are some of our most notable achievements last school year:

- We successfully upgraded **ALL** teacher's classroom technology with chromeboxes, 24" monitors, Litetouch interactive panels, document cameras, wireless keyboards and mice, and Chromebooks.
- We successfully installed wifi on all buses.
- We were able to install and put into production a new inventory and help desk system.
- We successfully upgraded our core bank of switches on the network.

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

Although we either met or began all initiatives we had planned for the 2023-2024 school year, there are still some areas that we need to continue growth. In the 2022-2023 school year, we set forth the following overarching goals to ensure an effective, safe learning environment for students and staff.:

- Implement an inventory system to track devices.
 - Complete: We utilize One-to-One Plus consistently to track devices.
- Implement a helpdesk system that will track repairs.
 - Complete: We utilize One-to-One Plus to track repairs.
- **Implement a system to monitor student technology behavior.**
 - This is an area of growth for us. We are in the process of implementing the use of Lightspeed Classroom Management but the rollout will take place in the Spring of 2024. We will work towards consistent and effective utilization over the remainder of this school year and throughout the 2024-2025 school year.
- Build up wireless infrastructure to more efficiently handle the increase in devices.
 - Complete: we completed many activities to sure up our wireless infrastructure, which is now managing the increase in devices effectively.
- Upgrade/replace the network switches for the district, including the core.
 - Complete.

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

We are discontinuing the use of bus wi-fi as the funding source that was used to fund the endeavor is no longer available. We also found that the utilization of the bus wi-fi was minimal.

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

For the remainder of the 2023-2024 school year and on into the 2024-2025 school year, we need to roll out and implement the use of the Lightspeed Classroom Management tool to monitor students' digital behavior. We are experiencing some issues that include chatting through documents, email, and such that a student monitoring tool would help with. We are in the process of rolling that out but we need to move into consistent use with fidelity over the coming months.

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?

This year, we formed a larger committee to review the district technology plan and the KETS Master Plan in order to gather feedback on current practices and our alignment to both. This self-assessment includes a larger scope of stakeholders to provide input on strategies that we need to implement, highlighting those that are most prevalent.

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.

The following outlines some broader goals that we have for the Powell County School District in relation to educational technology.

- Implement a digital student monitoring tool and utilize such with fidelity. We also need to train staff members on the useful tools provided by the student monitoring program to achieve the desired results.
- Maintain the current infrastructure and provide necessary updates, one of which includes the installation of updated access points throughout the district.
- Create a professional learning plan and training resources for staff and students to address current cyber-security concerns (i.e. phishing emails, etc)
- Review data in relation to our helpdesk system that tracks inventory and repairs to provide more efficient services.

All of these activities will ensure an effective, safe learning environment for our students and staff.

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 do not have a student voice survey in place that is technology-related. However, we will be creating a survey within the district that will be utilized on or before the first quarter of the upcoming school year to capture student input about their access to opportunities to build core competencies.

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-1	Form an on-going Technology Planning Committee that will be tasked with items such as District Technology Plan creation, feedback analysis, and overall advisory	CIO	June 2025	N/A	N/A	Multiple modes of feedback collected, Action Items completed from committee discussions, Committee Agenda and Minutes tracking progress
AA_1	Creation and Implementation of a Community Survey tool to be administered in the community to garner feedback and create relevant actions items	CIO	June 2025	N/A	N/A	Implementation of the Community Survey Tool, Consolidation of Results and Feedback presented to the district leadership team
AA-2	Continued participating in CKATC Meetings and Meetings with Regional KETS Engineer to promote utilization of a knowledge network.	CIO, Network Engineer	Current- June 2025	N/A	N/A	Meetings notes with completed action items, Creation of an on-going knowledge base for use in the district and outside the district
AA-2	Continued Partnership with KySTE	CIO, Network Engineer, Technicians, STC	Current- June 2025	KETS	\$3,500	Action Items and Knowledge Bases Additions garnered from KySTE Membership and active participation
AA-2	Creation of a CIO Handbook for the district that houses relevant contacts, a knowledge base, and a streamlined flow of information	CIO	Current-June 2025	N/A	N/A	Completion of CIO Handbook
AA-3	Creation of a district School Technology Coordinator	CIO	June 2025	N/A	N/A	Completed STC District Handbook, Completion of Professional

	Handbook that houses professional learning opportunity avenues and a working knowledge bank					Learning Opportunities
AA-3	Creation and Implementation of Professional Learning for Teachers in regards to educational tools relevant to the district	CIO	June 2025	N/A	N/A	Completed professional learning sessions, inclusion in the District Professional Development Plan



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



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

<p>AA-4</p>  <p>AA-5</p>	<p>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.</p>
 <p>GO-1</p>	<p>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.</p>
 <p>GO-2</p>	<p>Improve formal cycles for review, refresh, and replacement - ensure upgrades, additions, and when called for, sunseting/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)</p>

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	Upgraded core switch to current generation technology.	CIO, Network Engineer	12/31/2022-6/30/2025	Erate; KETS	\$43,976 ERate (\$37,379.60, KETS \$6596.40)	Switches were successfully upgraded and tested, consistent utilization and performance maintained
AA-1	Replace aging switches and network infrastructure at our data center and district schools to provide increased backbone connectivity and reliability, maintain performance	CIO, Network Engineer	6/30/2023	Erate; KETS	\$200,652.75 (Erate \$170,554.85; KETS \$30,097.91)	Switches have been successfully upgraded and tested, reviews of data to gauge effectiveness and performance
AA-1	Improve district policies and procedures to streamline the repair process.	CIO, Network Engineer, Technicians	7/1/2022-6/30/2025	N/A	N/A	Tickets will be tracked and resolved through One-to-One Plus software.
AA-1	Prepare and secure fiber lease approval from Board of Education, board attorney, and KDE for district WAN.	CIO, CFO	Each year in February	Erate; General Fund	\$91,200/yr (Erate \$82,080; General Fund \$9120)	Board will approve ongoing lease each year.
AA-2	Move all district user data storage to Google Drive cloud based storage, so district can decommission and replace aging SAN .	CIO, Network Engineer	7/1/2022-6/30/2025	N/A	N/A	All data will be moved to the cloud and the SAN will be decommissioned.
AA-2	Continue to provide students and teachers with technical support for devices used for instruction.	CIO, Network Engineer, Technicians,	7/1/2022-6/30/2025	General Fund	\$3000/yr	Tickets will be tracked and resolved through One-to-One Plus software.
AA-2	Replacement of end of life	CIO, Network	6/30/2024	KETS	\$60,000,	Servers will be successfully

DISTRICT TECHNOLOGY PLAN

Your District Name

	data servers and workstations of district and school-based administrators.	Engineer, Technicians		ESSER		upgraded and tested. Workstations will be installed.
AA-2	Continue to ensure high availability of network resources and coverage throughout campus by modifying wireless coverage and switching equipment as needed.	CIO, Network Engineer	7/1/2022-6/30/2025	Erate; KETS	N/A	Fewer bottleneck work orders will be received.
AA-2	Track and analyze data from One-to-One Plus system to improve stakeholder's service.	CIO, Network Engineer, Technicians	12/31/2022-6/30/2025	N/A	N/A	Tickets will be tracked and resolved through One-to-One Plus software. Inventory will also be tracked with the software.
AA-2	Maintain software licensing for all servers and workstations.	CIO, CFO	7/1/2022-6/30/2025	KETS; General Fund	\$14,000/yr	Licenses will be renewed each year.
AA-2	Backup all data servers and provide current warranty/software/maintenance renewals. Backup of Google data.	CIO, Network Engineer	7/1/2022-6/30/2025	KETS	\$3000/yr	Backup reports will be verified.
AA-2	Continue Microsoft Licensing A3 agreement.	CIO, CFO	7/1/2022-6/30/2025	General Fund	\$14,000/yr	Licenses will be maintained.
AA-2	Continue Google Workspace for Education Plus agreement.	CIO, CFO	7/1/2022-6/30/2025	General Fund	\$7000/yr	Licenses will be maintained.
AA-3	Continue to maintain all <u>wireless</u> equipment in all buildings to maintain and promote a robust network (full utilization of eRate Cat 2 dollars)	CIO, Network Engineer	7/1/2022-6/30/2025	Erate; KETS	\$10,000	Network activity reporting and wireless surveying.
AA-3	Maintain <u>wired</u> network	CIO, Network	7/1/2022-	KETS; General	\$5000	Network activity reporting; Reduced

DISTRICT TECHNOLOGY PLAN

Your District Name

	infrastructure to support all facets of district needs, including desktop access, printing, security, voice, and other essential services for students, teachers, and administrative needs.	Engineer	6/30/2025	Fund		network downtime; Reduced network related work orders.
AA-3	Continue to seek services that provide cloud based access and are fully functional on Chromebooks.	CIO, Supervisor of Instruction	7/1/2022-6/30/2025	KETS; General Fund	Various	Less services will be added to data servers; services will be moved from servers to the cloud.
GO-2	Reduce the need for desktop computer labs.	CIO	7/1/2022-6/30/2025	N/A	N/A	Lab areas will be repurposed. PC's will be retired.



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-1	Continue a clear entry/exit protocol for employees and students as they enter and leave the system (enabling/disabling, maintain security, etc)	CIO, Network Engineer	7/1/2022-6/30/2025	N/A	N/A	Instances of network security breaches, compromises updated user profiles and accounts
AA-1	Continue to refine our policies and procedures as it relates to assigning permissions to critical systems such as MUNIS, Infinite Campus, and other applications that contain sensitive data.	CIO, Network Engineer	7/1/2022-6/30/2025	N/A	N/A	Process in place requesting, approving and applying permissions when needed to secure sensitive information
AA-1	Improve Digital Citizenship instruction throughout district by implementing Digital Driver's License for middle and high & uniform curriculum for elementary	CIO	6/30/2023 with continued use through 6/30/2025	General Fund	Unknown at this time	Number of students who successfully pass DDL
AA-1	Use data from surveys to improve technology department effectiveness	CIO, Network Engineer, Technicians	6/30/2023-6/30/2025			Survey results over a 3 year period.
AA-1	Use Data (annual auditors, Technology Activity Report, Digital Readiness, SpeakUp, etc) to evaluate ROI and impact of Instructional tools.	CIO	7/1/2022-6/30/2025	N/A	N/A	Data will show the usage of tools in regards to engagement and return in investment.
AA-1	Full security audit of connected systems--IC, MUNIS, AD--for stale or abandoned accounts	CIO, Network Engineer	6/30/2024	N/A	N/A	Reduction of unnecessary access and accounts

DISTRICT TECHNOLOGY PLAN

Your District Name

AA-1 AA-2	All students (grades K-12) will utilize a personal account to login to computers/resources. Maintain and monitor student email/user accounts.	CIO, Network Engineer	7/1/2022-6/30/2025	N/A	N/A	Data logs. Password changes. Automated creation of accounts after student is enrolled/unenrolled in IC to maintain consistency and validity.
AA-2	Continued efforts to improve single sign-on for all users and applications. Also increased usage of multi-factor authentication (MFA) for all admin level staff.	CIO, Network Engineer	7/1/2022-6/30/2025	N/A	N/A	MFA will be implemented/forced for key staff.
AA-2	Ensure access policies and procedures provide secure access to all data across district.	CIO, Network Engineer	7/1/2022-6/30/2025	N/A	N/A	A review and update of access policies and procedures.
AA-2	Provide Internet filtering to maintain compliance with the Children's Internet Protection Act (CIPA).	CIO, Network Engineer	7/1/2022-6/30/2025	N/A	N/A	Logs of access control system and observation
AA-2	Implement a student-monitoring program/service to alert key individuals of situations that need to be addressed	CIO, Network Engineer	6/30/2024	KETS	\$5,000	Use data program to assess effectiveness of the tool, usage reports
AA-2	Design and implement a new comprehensive disaster recovery plan for the district.	CIO, Network Engineer	6/30/2025	N/A	N/A	Provide assurance to leadership and the Board of Education that the district can continue to conduct its business in the event of catastrophic damage to one or more district facilities, a targeted cyberattack against network infrastructure, or other failure of telecommunications services.

DISTRICT TECHNOLOGY PLAN

Your District Name

AA-3	Scan district network to monitor and locate vulnerabilities that need to be addressed, maintain software licensing for analysis.	CIO, Network Engineer	6/30/2024-6/30/2025	General Fund, KETS	\$20,000	Annual (minimum) reporting that will show our current vulnerabilities, and comparing to baseline reports.
AA-3	Continue to complete and utilize the Impact Kentucky (Working Conditions Survey), TAR, DRR, SRC, and investigate viability of a district-created technology surveying tool.	CIO	7/1/2022-6/30/2025	N/A	N/A	Data will be shared with admin staff.
AA-4	Continue/refine the process for software approval focusing on data privacy and security	CIO, Network Engineer	7/1/2022-6/30/2025	N/A	N/A	Process in place for software approval including a list of vetted software which can be used by teachers/students.
GO-1	Annual BOE update by August 31 of each school year	CIO	8/31/2022, 8/31/2023, 8/31/2024	N/A	N/A	Presentations will be made by August 31 of each year.



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 AA-2	Continue to leverage Erate funds for eligible services as needed by the district. This can decrease the district's financial responsibility by approximately 85-90% saving the district hundreds of thousands each year. Continue eRate planning cycle and Category 2 5-year strategic planning to include infrastructure upgrades in all buildings over time.	CIO	7/1/2022-6/30/2025	Erate; KETS	Unknown at this time.	Erate will be applied for for various networking needs each year.
AA-2	Collaborate with the Director of Finance, Superintendent, and Board of education to plan for ongoing refresh of all EdTech resources. The cost of the annual 1:1 device refresh is moved from a capital expenditure to an annual operational expense.	CIO, Admin Team	7/1/2022-6/30/2025	General Fund, KETS	Unknown at this time	A long term plan will be developed and shared with admin.
AA-2	Communicate or share current computing device inventory with school level decision makers to assist in the school technology purchasing plan, including maintenance for current devices and purchases for future needs.	CIO	Annually	N/A	N/A	Communication will be made annually.
AA-3	Upgrade access points throughout the district to	CIO, Network Engineer	6/30/2025	ERate, KETS	\$160,000	Access Points will be successfully installed, upgraded, and tested.

DISTRICT TECHNOLOGY PLAN

Your District Name

	provide adequate access for staff and students					Cloud-based performance reviews.
GO-1	Annually (minimum), have a summary technology report for the Board of Education, to update on the human resources aspect of educational technology in the district as well as resource management	CIO	Annually	N/A	N/A	Presentations will be made annually at minimum
GO-2	Educate and remind administrators on the cost of printing based services vs embracing digital content.	CIO	Annually	N/A	N/A	Communication will be made annually.
GO-4	Utilize usage data of programs and processes to see which educational technology investments are or are not being maximized. Use usage and growth data from district funded instructional resources to measure adoption and implementation success and determine the effectiveness of these resources.	CIO, Network Engineer	6/30/2025	KETS; General Fund	\$2000	Service/program will be purchased and implemented to track these items.



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	Support STLP at all schools.	CIO, Technicians	7/1/2022-6/30/2025	General Fund	\$4000/yr	STLP Coaches will be paid a stipend of \$800/year to oversee clubs and will attend Regional and State Competitions.
AA-1	Support STC's at all schools.	CIO	7/1/2022-6/30/2025	General Fund	\$5000/yr	STCs will be paid a stipend of \$1000/year to handle minor technical issues at their respective schools through help desk ticketing system.
AA-1	All members of the Technology Department will attend the KYSTE conference.	CIO, Network Engineer, Technicians	Annually	KETS, Title IV Part A	\$4000/yr	Technology staff members will attend conferences and will share information with the team.
AA-1	Continue to utilize learning networks to build capacity (webcasts, State and Regional CIO meetings)	CIO, Network Engineer, STC's, Technicians	7/1/2022-6/30/2025	KETS	\$700/yr	Attendance will be verified and information will be shared with key staff.
AA-1	Increase number of teachers/admins participating in trainings, KYSTE, etc.	CIO	Annually	General Fund	\$4000/yr	Additional staff members will be included in KYSTE, School Technology Coordinator Attendance
AA-1 AA-3	Maintain Web Hosting Service with Finals site	CIO; Technicians	12/31/2022	KETS	\$3000/yr	Website will remain operational with consistent use from District and School Contributors
AA-2	Publish Tech Plan highlights to web, local paper, and social media	CIO	7/1/2022-6/30/2025	N/A	N/A	Information will be updated by various staff members.



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	Online programming delivered via wireless and hardwired clients, both district- and student-owned, will allow students to follow programs tailored specifically to meet their individual learning needs. Provide equitable classroom access to digital instructional materials.	CIO, Supervisor of Instruction	7/1/2022-6/30/2025	N/A	N/A	Students can engage in credit recovery, dual credit or take courses not offered in the standard curriculum without usual restrictions of a standard schedule. Graduation rate increase, increase KOSSA scores, academic growth.
AA-2	Implementation and Use of Clever to provide Instructional Supports for Staff with user accounts and streamlining of instructional tools online with newly purchased curriculum	CIO	08/01/2023-6/30/2025	N/A	N/A	Consistent Use of Clever with Instructional Programs, Updated User Accounts for Staff and Students, Program Reports
AA-2	Teachers will have continued	CIO, Network	7/1/2022-	N/A	N/A	Survey of effectiveness; usage data

DISTRICT TECHNOLOGY PLAN

Your District Name

AA-4 GO-1	access to Google Suite tools including Classroom, Docs, Sheets, Forms, and Slides. Google Team Drive will allow for resource sharing among staff. Renaissance Learning , Houghton-Mifflin, McGraw Hill are all examples the staff may use for enrichment. Google Forms can assist teachers in providing timely feedback to students. Stakeholders will use this information to make curriculum decisions.	Engineer,	6/30/2025			from programs; assessment data
AA-2 AA-4 GO-1	Students will have continued access to Google Suite tools including Classroom, Docs, Sheets, Forms, and Slides. Renaissance Learning , Houghton-Mifflin and McGraw Hill are all examples the students may use for enrichment. Google Classroom will provide a centralized location for the students to access information from their teachers.		7/1/2022- 6/30/2025	N/A	N/A	Survey of effectiveness; usage data from programs; assessment data
AA-4	Work with DAC and BACs to improve confidence of online testing and eliminate fears of failure	CIO	7/1/2022- 6/30/2025	N/A	N/A	Online testing will be successful each year with minimal interruptions for technology-related issues, BAC/DAC Feedback
AA-7	Determine hardware needs and provide support for all online testing.	CIO, Network Engineer, Technicians,	Annually	N/A	N/A	Online testing will be successful with minimal interruptions to service that are technology-related

		STC's				BAC/DAC Feedback
GO-1	As our device numbers have shifted to a 1:1 environment, pd opportunities will be available to help teach teachers to use cloud-based digital lesson delivery in order to be successful in a 1:1 blended/flipped classroom. As we continue on our 1:1 initiative, professional development will be personalized accordingly.	CIO, Network Engineer, Technicians, STC's	7/1/2022-6/30/2025	N/A	N/A	Growth in the number of teachers and students using cloud-based digital lesson delivery as determined by data obtained from said service, from Google Admin console, etc.



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	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.	CIO; Admins	7/1/2022-6/30/2025	N/A	N/A	Data obtained from Google Admin console.

DISTRICT TECHNOLOGY PLAN

Your District Name

AA-1	Increase Professional Learning Opportunities for Web-Based Programs including those afford by the newly purchased curriculum (i.e. Lightspeed Classroom Management, Clever, Instructional PPrograms) with additional support offered on an individual basis	CIO	6/30/2025	N/A	N/A	Increased participation and usage of mentioned web-based programs and beyond, completed individual support for staff
GO-1	Offer 24/7 access to a wide variety of online training opportunities so teachers can personalize their professional learning	CIO	6/30/2024-6/30/2025	N/A	N/A	Numbers of teachers completing individualized coursework for professional development credit.
GO-1	Develop opportunities for micro-credentialing with incentives for participation, particularly Google Suite Tools	CIO	6/30/2025	General Fund	\$700/yr	Number of technology related PD hours completed by staff
GO-1	Encourage staff-led Teach the Teacher style trainings attended by administration and faculty .	CIO; Admins	6/30/2025	General Fund (PD)	\$700/yr	Increased participation in tailored PD, increased support from staff regarding PD choices



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	Provide training opportunities for teachers to create "pre-designed" Google Classrooms they can then implement with their students.	CIO	6/30/2025	General Fund (PD)	\$700/yr	Numbers of students completing asynchronous courses using Google.
AA-1	Continue to utilize Odysseyware (or similar product determined by Supervisor of Instruction) courses for non-traditional students/situations	CIO; Supervisor of Instruction	7/1/2022-6/30/2025	General Fund	\$24,000/yr	Systemwide reports of completion of assigned materials
AA-1	Support the Implementation of	CIO, Virtual	07/01/2023-	N/A	N/A	Implementation and consistency of

	our PCS Virtual Academy as needed	Academy Supervisor, CAO	06/30/2025			services at the Virtual Academy, Course and Credit Completion
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