Kentucky Education Technology System
DISTRICT TECHNOLOGY PLAN

DISTRICT NAME	Covington Independent Public Schools
LOCATION	Covington, Kentucky
PLAN YEAR(S)	2023-2024

www.covington.kyschools.us

Table of Contents

Acknowledgments

District Staff [Recommended to include CIO/DTC, TIS/DLC, technician, finance officer, superintendent, academic officer, DAC, etc.]	
Alvin Garrison, Superintendent	Jamarcus White, Director of Technology
Scott Alter, Asst. Superintendent	Joe White, Computer Technician
Janice Wilkerson, Asst. Superintendent	Rick Brock, Computer Technician
Bill Grein, District Assessment Coordinator	Jared Laney, Computer Technician
Annette Burtschy, Director of Finance	Brian Baird, Computer Technician
	Isaiah Snapp, Computer Technician

Building Staff [Recommended to include principals, LMS, STC, counselors, teachers, teaching assistants, etc.]	
Tony Magner/Angie Turnick, Principal Holmes High School	
Lee Turner, Principal Holmes Middle School	
Ellen Peach, Principal Glenn O Swing Elementary	Rebecca Caldwell, School Technology Coordinator
Maranda Meyer, Principal Latonia Elementary	Tara Murray, School Technology Coordinator
Elizabeth Miller, Principal JEB Early Childhood Center	Marie Dysert, School Technology Coordinator
Kieli Ferguson, Principal 9th District Elementary	Tim Roberts, School Technology Coordinator
Joe Moran, Principal 6th District Elementary	Jacob Gibson, School Technology Coordinator
Tara Bell, Principal John G Carlisle Elementary	Alecia Dadonsky, School Technology Coordinator
Sean Bohannon, Principal Transformational Learning Center	Nick Staples, School Technology Coordinator

Additional District Contributors	
Steven Gastright, Board Vice Chair	Glenda Huff, Board Member
Hanna Edelen, Board Member	Tom Haggard, Board Chair
Kareem Simpson, Board Member	

Previous Plan Evaluation

In this section include a discussion of the "expiring" *(previous year's)* plan using the prompts below. Attempt to limit your narrative to the space provided.

What goals were met?

Established Network Admin Support

Due to an increase in the number of student and staff devices and the consequent pressure on the network infrastructure, it became imperative to provide additional support for network monitoring. As a solution, the Technology department collaborated with a local vendor, StepCG, to manage and maintain the network, thereby ensuring proactive resolution of any network-related needs or issues.

Implementation of New Phone System

By partnering with Performance Services and SinglePoint, the Technology department successfully upgraded an outdated phone system to a modern, versatile, and manageable VOIP phone system. The new system provides the school district with increased options for end users, and grants the technology department improved visibility into the system.

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

Address more infrastructure needs around District Facilities

Infrastructure networking equipment in non-student-occupied buildings such as the Bus Garage, Maintenance shop, Title 1 building, and Instructional Support, among others, is often outdated due to funding priorities being given to student-occupied buildings. As a result, these buildings tend to lag behind in terms of infrastructure updates.

Develop a plan to promote sustainability and refresh cycles for student and staff hardware purchased with new funding sources, i.e CARE, GEERS, and ESSER.

While the framework for the plan development has been established, it remains incomplete and will be an ongoing process. The plan will be structured around device end-of-life support and warranty expiration, providing a comprehensive framework for device replacement and maintenance.

Covington Independent Public Schools acknowledges that its citizens are not limited to a local community but are part of a global society. In light of this, the school expects its citizens to utilize technology to access information, communicate with others around the world, collaborate within and outside the school environment, and construct knowledge from these activities.

The technology vision of Covington Independent Public Schools is to transform teaching and learning through the innovative use of technology, enabling students to achieve their goals and make global connections in the real world.

Teachers in the school are expected to become proficient in the use of technology to provide a creative and supportive learning environment. They should serve as coaches, mentors, and information managers to facilitate students' learning and integrate technology in a manner that addresses their individual needs and learning styles.

The Director of Technology, along with other District Leadership, and the Covington Board of Education will work together to ensure that students have access to technology and that there is sufficient financial support to maintain and update the district's technology.

Recognizing that technology is constantly evolving, Covington Independent Public Schools will acquire and maintain the latest software, hardware, and other technologies to provide a modern learning environment for students. Equitable access to information and tools necessary to achieve curricular goals is essential to prepare students for success in the 21st century.

This executive summary outlines the major activities planned for implementation during the 2023-2024 school year. These activities are geared towards improving the technology infrastructure in the District, enhancing the sustainability of technology devices, and involving the community. The plan includes continuing to work with the current network vendor to improve both wired and wireless networks, addressing infrastructure needs in District Facilities, and completing the full implementation of the new Cloud-based software for Help Desk tickets and tracking of District hardware/devices. Additionally, a technology sustainability and refresh plan for student and staff devices purchased from various funding sources will continue to be developed. Plans will also be developed for creating a student-led Help Desk at the Middle & High School and a Student Tech Ambassadors program at the Elementary level. Finally, there is an emphasis on involving the community more in these technology-related initiatives.

New Plan Preview

This is a high-level overview or executive summary of the plan as a whole. Attempt to limit your narrative to the space provided below.
[See Technology Planning section of KETS Master Plan for more information]

Equity | Achievement | Integrity | Quality | Opportunity | Access

Student Voice

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

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

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.

The Director of Technology met with High School students that were part of the Superintendent Leadership group. During that meeting and through follow-up email conversations, students were able to voice their opinions surrounding technology. Many students stressed the importance of having good WiFi and access to devices that give them the most flexibility. Students also spoke to the advancement of technology and the want to have classes that allow them to be more prepared to use those new technologies after graduation. Students also stressed the importance of having more help with technology in school. There were times when students felt there were not enough people there to address all the issues that arise throughout the day and or after school.

Robust Infrastructure & Ecosystem
Future Ready Gear

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

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

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	To improve backbone connectivity and enhance reliability, it is necessary to upgrade the network infrastructure and replace outdated switches.	DTC	2023-2024 Ongoing	eRate, General Fund, KETS	$125,129.53/$ 18,769.43	Improve speed, connectivity, reliability, less delay in loading, and increase productivity.
AI-1	Work with KDE on new District Firewall initiative	DTC, KDE	2023-2024	N/A	KDE Funded	Cutover scheduled o be complete in January 2024
AA-2	Continued to enhance the single sign-on experience for all users and applications. In addition, there is a push to promote the increased usage of second-factor authentication for all staff members, especially those with administrative privileges.	DTC	2023-2024	N/A	N/A	More staff be comfortable using single sign-on methods and multi-factor authentication. Survey Data
AA-3	Full implementation of the new Cloud-based software for Help Desk tickets and tracking of District hardware/devices.	DTC, Tech Leads, Staff, Students	2023-2024 Ongoing	General Fund	$6,000	More ticket submissions from staff and students via the platform.

Data Security, Safety & Privacy
Future Ready Gear

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

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

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AI-1	*Continue to ensure students K-12 complete the Kentucky Digital Driver's Licenses.*	*DTC, Principals, All Teachers & Students*	*2023-2024 Ongoing*	*TBD*	*TBD*	*Reports of 85-100% completion as determined by the Kentucky Digital Driver's Licenses admin console.*
AA-1	*Continue/refine the process for software approval focusing on data privacy and security.*	*DTC, Leadership*	*2023-2024 Ongoing*	*N/A*	*N/A*	*Process in place for software approval including a list of vetted software which can be used by teachers/students.*
AI-2	*By continuously gathering information on individuals with access to sensitive data, we can enhance our ability to educate them on appropriate protocols for securing data.*	*DTC, Leadership*	*2023-2024 Ongoing*	*N/A*	*N/A*	*Audits of systems, showing user access rights.* *Reviewing access rights.*

Budget & Resources
Future Ready Gear

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

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

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Continue to 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.	DTC, CFO, Leadership	2023-2024	E-Rate	$549,000.00	Budget figures and hardware purchased will be evidence for improvements and upgrades.
AI-1	Continue to communicate or share current and future computing device inventory with school-level decision-makers to assist in school technology purchasing.	DTC, CFO, Leadership, Principals	2023-2024	N/A	N/A	Schools will assist in developing and implementing a refresh cycle
AI-4	Analyze expenditures on tech services, software, and hardware and cross reference with usage report.	DTC, CFO, Leadership	2023-2024 Ongoing	N/A	N/A	Budget will reflect fiscal responsibility. Analytics data.

DISTRICT TECHNOLOGY PLAN

Covington Independent Public Schools

Partnerships
Future Ready Gear

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

Areas of Emphasis: Areas of Acceleration (AA) 🟡 */Areas of Improvement (AI)* 🔵

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AI-1	Continue to support the SBE program at the High School. Plan and implement "See what we're doing" with technology that engages the community with student technology.	DTC, Leadership, Students	2023-2024 Ongoing	General Fund, KETS, Perkins Funds, (Grants if Available)	TBD	Higher rate of student participation/involvement in areas involving technology in and outside of the normal school day. Survey Data
AI-2	Develop a plan for creating a student-led help desk at the Middle & High School and Tech Ambassadors at the Elementary level.	DTC, Leadership	2023-2024 Ongoing	TBD	TDB	Planning committee meeting minutes/data will reflect progress towards implementation for the creation of the student-led help desk and tech ambassador program.
AI-3	Engage in tech talks with parents at back-to-school nights/orientations/literacy nights etc, virtual engagement.	DTC, Leadership, Principals, Tech Leads	2023-2024	TBD	TBD	Higher percentage rate of student/parent knowledge involving technology both in and outside of the normal school day. Survey Data
AI-4	Student, staff, parents, and community voice surveys.	DTC	2023-2024 Ongoing	TBD	TDB	A minimum of 2 surveys will be conducted throughout the school year.

Equity | Achievement | Integrity | Quality | Opportunity | Access

Digital Curriculum, Instruction & Assessment
Future Ready Gear

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

Areas of Emphasis: Areas of Acceleration (AA) 🔸 */Areas of Improvement (AI)* 🔹

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Expand the use of Office 365, Google's G Suite, and other Digital collaborative tools to create a blended learning environment that addresses both staff and student needs, in person and virtually.	DTC, Leadership, Instructional Coaches	2023-2024 Ongoing	General Funds, KETS, GEERS	TBD	Analytical reporting from Office 365 and GSuite.
AA-1	Continue to use and improve on the integration of cloud-based/online applications such as Footsteps to Brilliance, Lexia, Edgenuity, and Mastery Connect to enhance learning opportunities remotely for our students.	DTC, Instructional Coaches, Leadership	2023-2024	General Fund, KETS,	TBD	Lesson plans will include technology integration with the online curriculum. Classroom observation data.
AI-1	Investigate Career and Technical Education to expand information technology and computer science career pathway offerings.	DTC, Leadership	2023-2024	TBD	TBD	-Increased student enrollment in computer-related courses -Increased computer science classes offered in Chapman -Achieved Certifications,

Personalized Professional Learning
Future Ready Gear

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

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

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AI-1	Technology Department will provide beginning-level skills training for technology-related tasks. i.e Help Desk ticket submission, password changes, etc.	DTC, Tech Leads	2023-2024 Ongoing	N/A	N/A	Staff will be more comfortable and confident with the use of Technology and requesting support. Survey Data
AA-1	Continue to participate in tech PD such as KySTE	DTC, Tech Leads, Staff	2023-2024	General Fund	$6,000	Staff will continue to attend regional tech conferences.
AI-2	Conduct a needs assessment survey to determine potential PD offerings.	DTC, Leadership	2023-2024 Ongoing	N/A	N/A	Survey Data

Use of Space & Time
Future Ready Gear

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

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

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	*Continue to utilize more free resources for digital instruction, learning, and classroom management through tools such as Google and Apple Classroom and JAMF.*	*DTC, Leadership, Teachers*	*2023-2024 Ongoing*	*TBD*	*TBD*	*All teachers are constantly using google classroom with students for meaningful lessons.*
AI-1	*Increase support for Bulldog Virtual Academy (BVA)*	*DTC, Leadership*	*2023-2024 Ongoing*	*TBD*	*TBD*	*Survey Data.*