DISTRICT TECHNOLOGY PLAN

DISTRICT NAME	Hopkins County
LOCATION	Madisonville, KY
PLAN YEAR(S)	2020-2021

www.hopkins.kyschools.us

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Planning Team

District Staff [Recommended to include CIO/DTC, TIS/DLC, technician, finance officer, superintendent, academic officer, etc.]	
Deanna Ashby, Superintendent	Steven Vaught, Network Support Manager
Drew Taylor, CIO	Marty Cline, Assistant Superintendent
Eydie Tate, Director of Finance	Robert Carter, Director of Engagement, Equity and School Support
Melissa Taylor, Digital Learning Coach	Jennifer Luttrell, Director of Elementary Education & Early Childhood
Christian Klaas, Director of Secondary Education	Amy Smith, Assistant Superintendent

Building Staff [Recommended to included principals, LMS, STC, counselors, teachers, teaching assistants, etc.]	

Additional District Contributors [Recommended to include board members, SBDM members, program directors, etc.]	

Other [parents/community members, business and nonprofit leaders, etc.]	

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?
All goals were either met or are still ongoing.

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

Areas of improvement?
Improve and explore different avenues of instruction for digital literacy and responsibility. Also, continuously improve security on all fronts.

Areas/goals that are no longer relevant?

Needs that emerged after evaluation of the previous plan?
Our Microsoft licensing changed to an A5 model that includes new tools such as Azure, Intune, and O365 ATP to improve management, processes, and security.

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]*

How did you and the planning team decide on the goals for this plan?
The work was divided into areas in which each contributor was an owner. Each contributor completed their own section and submitted to the CIO to compile and finalize.

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.
As stated earlier, we are hoping to utilize new technical tools to improve processes and help instruction. We are also looking into different options to move forward with our datacenter operations and network management. We have multiple security initiatives to make students and staff feel more safe and secure, including cybersecurity, physical security, and emotional and mental safety. Our Digital Learning coach is working with schools to develop new and innovative ways to educate students on digital literacy.

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)?

We are a Studer District, so we use Student Engagement Surveys based on Studer initiatives. The survey is more for the whole child, and not necessarily directly focused on technology.

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.

KETS Master Plan Areas of Emphasis
Connected to the Future Ready Framework

The Future Ready Framework identifies seven Gears to assist districts in developing a roadmap for student success through personalized student learning and collaborative leadership. The KETS Master Plan has identified 37 Areas of Emphasis connected to the Future Ready Framework and are categorized as either *1) Areas of Acceleration (AA) or 2) Areas of Improvement (AI)*. The "areas of acceleration" are considered big wins, successes, and major milestones of the KETS are identified for continuation work. The "areas of improvement" address emerging areas based upon growth or decline metrics, research, needs assessments, and reporting by Kentucky school districts.

Use the Areas of Emphasis and Future Ready Framework as a lens to analyze current trends, initiatives, needs and goals of your district. Link the work of this new plan identified by your planning team to the Gears and Areas of Emphasis of the KETS Master Plan on the following pages. There is no expectation to address all 37 Areas of Emphasis of the KETS Master Plan. Any strategy that involves Erate, please include in the Budget & Resources gear. If your district has lease agreements (i.e.; device, fiber, etc.), be prepared to reference the quantity during the final submission process.

Robust Infrastructure & Ecosystem
Future Ready Gear

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

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

AA-1: Continue to provide nation's first, fastest, highest quality, and most reliable internet access to 100% of Kentucky's public schools

AA-2: Continue to ensure equity and standardization for delivery of device, network, data and support creating best in class staff and student digital experiences AND provide a system of shared/brokered/managed services maintaining low infrastructure costs and providing   support structures promoting the use of personalized learning environments

AA-3: Continue to create a culture of digital connectedness through all- the-time, everywhere, always on digital opportunity and access with emphasis on dense Wi-Fi throughout schools *(also including home access, Wi-Fi buses, school and classroom Wi-Fi, etc.)*

AA-4: Continue to encourage the use of instructional programs and administrative processes requiring cloud-based services

AI-1: Improve ease of access for student and staff through continued progress toward 1:1 student to computer ratio utilizing increased amounts of mobile devices *(fewer traditional computer labs)*

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-2	Configure Network Access Control Management to enforce network access policies for wired and wireless devices.	CIO, Technology Department	Completed by June 1, 2021	Technology Funds	$5000	Tech work orders decrease for network related issues.
AA-2	Integrate Azure, Intune, and O365 to improve device management, and user security and management	CIO, Vendor partner	Completed by June 30, 2021	Technology Funds KETS	$35,000	Core Technology will be able to grow and continue to serve staff and students.
AA-3	Continue to follow refresh rate on devices by budgeting needed funds	CIO, CFO	Ongoing/yearly	Technology Funds KETS	$200,000	We will continue to refresh devices on a 5-6 year cycle, equitable across all schools
AA-4	To provide a safe and monitored environment for administrative processes. Both hosted and cloud solutions.	Technology Department, Facilities, Director of School Support	Ongoing/yearly	General fund Technology fund Safe Schools KETS	To Be determined	By installing access control, cameras, visitor check in systems. This ensures a successful, efficient, and safe environment for our staff and students.
AI-1	Improve district policies and procedures, and continue to support schools with devices and management of all devices, including school-purchased.	CIO, Technology Department, Vendors	Ongoing/yearly	Technology Funds School Funds	To Be determined	Feedback from school and district leadership. Use Google Tools to run usage reports.
AA-3	Explore different options to provide district Wi-Fi to students outside the school buildings, such as Wi-Fi in parking lots, Wi-Fi on buses, etc.	CIO, Technology Department, Vendors	Ongoing/yearly, As needed	Technology Funds School Funds KETS	To Be determined	Students will be able to complete work online without going into the school and without paper packets.
AI-1	Explore options to provide devices to all students, or the students that need them and otherwise cannot perform classwork online.	CIO, Technology Department, Vendors, Instructional Staff	Ongoing/yearly, As needed	General Fund Technology Funds School Funds KETS Grants	To Be determined	All students, or students with need, will be assigned devices for Instruction.

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)*

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

AA-4: Continue to migrate key administrative and student data sets to secure cloud-based services that allow anywhere, anytime secure access for the improvement of student learning *(Infinite Campus, Early Warning, School Report Card, MUNIS)*

AA-5: Continue supporting teacher efforts in taking ownership of digital citizenship skills and education their student in the same skills to foster a secure digital learning environment

AI-1: 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)*

AI-2: Kentucky K-12 Data systems are first-class but we need to do much better with district using the data available to them as well as providing visual data analytic tools allowing the data to be better understood and more interesting to the average person who does not have a technology and data background

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 improve access and security to data systems, including Infinite Campus, Windows, and O365.	HR Department Technology Department	Ongoing and continuous	General Fund	To Be determined	Staff will only have access to the data they need to do their job functions.
AA-2	Continue professional learning and implementation of a cloud-based web filtering solution.	Director of Instructional Technology Digital Learning Coaches All Teachers	Ongoing and continuous	General Fund	$5,000	Web Filter data and reports
AA-3	Studer surveys for students, staff, and parent/guardians; results used for next steps in improving all areas.	Director of Technology Digital Learning	2-3 times annually	General Fund	To Be determined	We can measure participation and feedback in the Studer Surveys.

		Coaches School/District Administrators				
AA-5	Continue to improve digital citizenship education at all grade levels.	Director of Instructional Technology Digital Learning Coaches All Teachers	Ongoing and continuous	General Fund	To Be determined	Reports of 100% student completion of digital citizenship lessons

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)

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)*

Equity | Achievement | Integrity | Quality | Opportunity | Access

AI-1: Make districts aware of position/roles requiring technology-related duties in support of technology and instruction *(The People side of K-12 EdTech)*

AI-2: Make districts aware of how to reduce expenditures on printing/print services *(both in consolidated contract pricing as well as shifting from paper to digital experiences)*

AI-3: Evaluate the need and explore new contracts that drive costs down for statewide summative online assessment, learning management systems, printing services and interim based assessments

AI-4: See an increased percentage of districts examining which education technology investments are or are not being maximized

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-3	Take full advantage of E-rate & KETS funding to maximize technology across the district.	CIO, Technology Department	Ongoing and continuous	USAC/E-rate KETS Technology Funds	To Be determined	Periodic refresh of network equipment and connectivity
AA-1	Evaluate moving servers to Cloud-based Infrastructure (IaaS).	CIO, Technology Department	Ongoing and continuous	KETS Technology Funds	To Be determined	Hope to achieve cost reduction with similar or improved performance
AI-4	Analyze expenditures on tech services and cross reference with usage report from Gopher Tools.	CIO, Technology Department	Ongoing and continuous	KETS Technology Funds	To Be determined	Use Gopher Tools to gather usage reports on devices.

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)* ▼

AA-1: Continue to build trusted relationships with shareholders (families, districts, partners) that will reduce risk as well as increase transparency and communication *(districts, vendors, higher-education, regional cooperatives)*

AA-2: Continue to utilize avenues of communication with shareholders allowing pertinent information and dialog to further student learning efforts *(Webcasts, BrightBytes, Technology Activity Report, KETS Service Desk, Office of Education Accountability studies, independent studies, etc.)*

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)*

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AI-1: Partner with postsecondary pre-service teacher and principal programs to provide support in candidate preparation

AI-2: Encourage postsecondary institutions to host STLP events and /or more fully maximize the opportunity to showcase the university and its programs while students are on campus

AI-3: Build relationships with charter schools to determine policies and procedures related to architecture/design, systems security and privacy, services and reporting requirements

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	Distribute information via various media about events/projects/initiatives.	Technology Department District/School Leadership	Ongoing and continuous	General Fund	To Be determined	Parent/Stakeholder Feedback
AA-2	Evaluate use of webcasts to get information out to staff, students, parents, and/or community.	Technology Department District/School Leadership	Evaluated by June 1, 2021	General Fund Technology Fund	To Be determined	Evaluate cost and logistics, along with stakeholder feedback.
AA-3	Continue to use Infinite Campus Parent Portals to keep parents up to date on student learning and success	District/School Leadership Teachers	Ongoing and continuous	General Fund	To Be determined	Parent Feedback and Infinite Campus reporting.

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)

AA-1: Continue to provide access to instruction digital content which further aligns to the Kentucky Digital Learning Guidelines

AA-2: Continue providing opportunities for students to demonstrate learning connected to and through technology *(empowering students through technology with STLP, IT Academy, etc.)*

AA-3: Continue to finalize and partner with Career and Technical Education (CTE) to promote Kentucky approved K-12 Computer Science Standards and Technology/Digital Literacy Content Standards *(based on International Society for Technology in Education standards)* for ALL students

AA-4: Continue providing access to online assessment tools that allow teachers and administrators to assess student learning, provide timely feedback to students and make curriculum decisions *(online formative assessment tools, interim based assessments, and summative assessments)*

AA-5: Continue to provide districts/classrooms access to digital instructional materials through an equitable of robust digital experience

AI-1: Identify digital content and tools (curriculum, instruction and assessment) designed to have the highest impact and value (e.g. is the technology making or not making an instructional and learning difference?), including frequency of use by teachers and students

AI-2: Create a closer connection with Career and Technical Education to expand information technology and computer science career pathway offerings specifically related to computer programming/coding and increase exams available through IT Academy

AI-3: Play a vital role in implementation of summative online assessment and school report card and dashboard tool of the new assessment and accountability system

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-2	Continue to encourage and assist teachers and students with STLP planning and competitions.	CIO Digital Learning Coaches Teachers Administration	Ongoing and continuous	Technology Funds School Funds	To Be determined	Number of STLP participants.
AA-1	Study Island will be available to all schools and implemented for non-traditional instruction and NWEA pathway linkage for grades K-8.	Instructional Directors All Teachers	SY 20-21 SY 21-22	Title V	$51,753	MAP Growth Measures Usage Reports Non-Traditional Instruction Completion
AA-1	ExactPath will be available and implemented for reading and math Tier 2 interventions in	Instructional Directors All Teachers	SY 20-21 SY 21-22	Title V	$23,497	MAP Growth Measures Usage Reports Students no longer needing RTI/KSI

	grades 3 – 8	Curriculum Coordinators					
AA-4	District-Wide access to GradeCam for immediate feedback for formative and summative assessments	All Teachers	SY 20-21	Title V	$14,437	Usage Reports
AA-4	Preschool – Grade 1-2 ESGI access for reading and math fluency data tracking and progress monitoring	All Preschool to 1st grade teachers	SY 20-21	Title V	$7,200	ESGI Reports
AA-4	Implementation of NWEA MAP for K-8 universal screener.	Instructional Directors Director of Assessment Building Level Administrators K-8 Teachers	SY 20-21	General Fund	$65,025	NWEA student, classroom and grade level growth and proficiency reports
AA-4	Implementation of CERT or MAP for 9-12 universal screener.	Instructional Directors Director of Assessment Building Level Administrators 9-12 Teachers	SY 20-21	General Fund	$20,000	CERT KY Combined School Assessment Report, NWEA student, classroom and grade level growth and proficiency reports
AA-1	Odysseyware is available for high schools for credit recovery, to middle schools and high schools for summer school, and to alternative programs for coursework.	HS OW Lab personnel Alternative setting teachers and administrators 6-12 teachers Building level administrators Curriculum coordinators	SY 20-21	ESS Flex Focus	$65,000	Graduation rates, student grades, Odysseyware usage reports, Odysseyware completion reports

		6-12 guidance counselors District teacher consultant District level administrators				

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) **AA** */Areas of Improvement (AI)* **AI**

AA **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.

AI **AI-1**: Provide district with guidance and support to determine crucial learning needs of teachers resulting in more professional learning opportunities related to digital learning tools

DISTRICT TECHNOLOGY PLAN

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	District instructional staff will provide ongoing support to determine the best tool to meet the learning objective.	CIO District Leadership Digital Learning Coaches Instructional Coaches Administration	Ongoing and continuous	N/A	N/A	Evidence from lesson plans, walkthroughs, and student data
AI-1	District will provide beginning level skills for technology related tasks.	Director of CIO Digital Learning Coaches Instructional Coaches	Ongoing and continuous	N/A	N/A	Meeting Agendas/Sign-ins Can show evidence that they can: - Sign into Google - Share a Document - Bookmark - Create a Google Classroom - Log into IC - Log into Gradecam - Log into Aesop - Log into email
AA-1	Require plans from Principals for use, training, and security of new devices for large purchases	CIO Instructional Directors Principals	Ongoing and continuous	N/A	N/A	Submission of quality plans; measure with Google usage reports, low percentage of damage/theft
AA-1	District will provide support to	CIO	Ongoing and	N/A	N/A	Feedback from Teachers and

	the Media Specialists and teachers in Digital Citizenship for staff and students.	Digital Learning Coaches Media Specialists Teachers District Leadership	continuous		Administration; Completion of Digital Citizenship lessons and/or training sessions.

⚙️ *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)* 📍

📍 **AA-1**: Continue to provide guidance, support and resources for districts in the development and application of high quality online/virtual coursework as well as implementation of learning management systems

📍 **AI-1**: Educate and support districts in the implementation and facilitation of digital learning tools and portable technologies that foster anywhere, anytime access for staff and students

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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	Google Classroom as online/virtual classwork	ALL teachers Digital Learning Coaches	Ongoing and continuous	N/A	N/A	All teachers are constantly using Google Classroom with students for meaningful lessons.
AI-1	Computer Lab Teachers having a curriculum with students on different lessons to learn how to use a device.	Lab Teachers Digital Learning Coaches	Ongoing and continuous	N/A	N/A	Feedback from Teachers and Administrators.
AI-1	Continue implementation and use of Clever for SSO and cloud-based learning.	Digital Learning Coaches Teachers Instructional Leadership	Ongoing and continuous	N/A	N/A	Google Gopher usage reports, and Clever usage reports

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