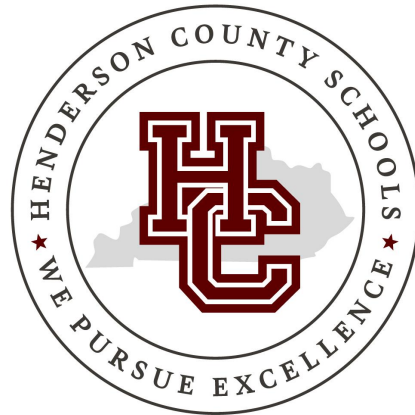


# Kentucky Education Technology System DISTRICT TECHNOLOGY PLAN

**DISTRICT NAME** Henderson County Schools

**LOCATION** Henderson, KY

**PLAN YEAR(S)** 2023-2024



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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](#)

[Robust Infrastructure & Ecosystem](#)

[Data Security, Safety & Privacy](#)

[Budget & Resources](#)

[Partnerships](#)

[Digital Curriculum, Instruction & Assessment](#)

[Personalized Professional Learning](#)

[Use of Space & Time](#)

## Planning Team

District Staff	
Dr. Bob Lawson - Superintendent	Kris Gordon - Director of Technology
Cindy Cloutier - Director of Finance	Nick Beals - Computer Maintenance Technician
Chad Thompson - Asst. Superintendent of Teaching and Learning	Shannon Lyons - Digital Learning Coach
Crissy Sandefur - Asst. Superintendent of Teaching and Learning	Tammy Brown - Data Dictionary Specialist
Whitney Sagez - Database Administrator	Megan Mortis - Director of Public Information
Tammy Sagez - Systems Administrator	Keith Stone - Computer Maintenance Technician
Sam Everhart - Lead Computer Maintenance Technician	Stephen Johnson - Network Administrator
Aaron Caton - Computer Maintenance Technician	Brandy Haley - Director of Assessment and Accountability
Tammy Jacobs - Computer Operations Manager	Jennifer Walters - District LAN Technician
Building Staff	
Frances Tompkins - AB Chandler - Library Media Specialist / STC	Allison Whitson - Cairo - Library Media Specialist / STC
Megan Smith - AB Chandler - Computer Lab Technician	Emily Williams - Cairo - Computer Lab Technician
Jessalyn Hazel - Bend Gate - Instructional / Digital Learning Coach	Sarah Shelton - Niagara - Library Media Specialist / STC
Samantha Wicker - Bend Gate - Computer Lab Technician	Robin London - Niagara - Computer Lab Technician
Susan Overton - South Heights - Library Media Specialist / STC	Rustin Bargo - South Middle - Assistant Principal
Gwen Courtney - Jefferson - Principal	Dezney Carmon - Spottsville - Teacher
Tina Clary - Spottsville - Computer Lab Technician	John Barnett - Central - Teacher / STC
Randa Gary - Thelma B Johnson - Library Media Specialist / STC	Tara Black - Jefferson - Computer Lab Technician
Teresa Murphy - Thelma B Johnson - Computer Lab Technician	Glen Bryant - South Middle - Teacher
John Arnold - South Middle - Microcomputer Specialist	Traci Lutz - North Middle - Library Media Specialist
Kathleen Taft - North Middle - Teacher	Dawson Feast - North Middle - Microcomputer Specialist
Adam Nolen - Henderson County High - Teacher / STC	James Crafton - Henderson County High - Teacher / STC
Dalton Inge - Henderson County High - Teacher / STC	Nate Fish - Henderson County High - Teacher / STC
Virgil Hanganu - Henderson County High - LAN Technician	Sharon O'Nan - East Heights - Computer Lab Technician

## Previous Year's Strategies Evaluation

In this section include a discussion of the previous year's strategies using the prompts below. Attempt to limit your narrative to the space provided.

*What strategies from last year went well?*

We have continued to increase account security with multi factor authentication (MFA) as well as other recommended security settings and upgrades. This helped us maximize our cost savings associated with the support received from KDE to implement the changes. We have increased the number of security cameras, building access control systems, and refreshed our video and backup servers. We continue to grow our STEAM options in media centers throughout the district and continue to provide a robust network and the technology hardware and software available to our staff and students.

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

We were not able to fully support and implement the renewal of the digital backpack during 22-23. We are going to be taking a step back and looking at options for a future implementation that is more connected to additional character soft skills and the Deeper Learning initiative. The goal of a student helpdesk at all schools was not met but we did expand to an elementary pilot at East Heights and will continue to expand student helpdesks as possible.

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

We will no longer provide district hotspot devices. The cost for device services could not be justified for the volume we need on hand in case of emergency access during NTI options. We have and will continue to provide support for households to apply for the federal Affordable Connectivity Program (ACP) as a comparable replacement option for all students.

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

We need to do a better job of training new staff on technology access and usage as well as keeping current staff notified and trained on technology changes. We have reduced digital learning coach positions the last 2 years along with the Director of Instructional Technology and we have seen a decline in teacher training and awareness of both support and availability of resources which we plan to make corrections for.

## 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?*

Stakeholder groups were asked to look over the existing Technology Plan and to make revisions as necessary including adding new strategies and removal of strategies that are no longer needed. We met once in January, then tasked each committee member to collaborate on one gear with a smaller group over the next month. We met again in February to discuss adjustments to the plan. The plan was adjusted and sent out to all committee members again for review before Board approval.

*Briefly discuss the major activities slated for implementation and how these activities will advance curriculum and instruction integration, student technology literacy, professional development, & technology infrastructure.*

We will be leveraging KETS and E-rate funding for technology infrastructure projects. If funded by USAC we will replace about 2/3rds of our network switches that are integral to refining and updating our solid technology infrastructure during the 23-24 school year.

We plan on continuing our current K-12 1:1 initiative, which will be funded by a mixture of local, federal, and KETS funding sources. The 1:1 infrastructure is now solidly in place and includes maximizing federal funding for the next 2 school years. We plan to continue to offer the technology in students' hands that will allow them to grow in their knowledge anytime, anywhere.

The growth of the student help desk options at elementary schools is promising and we are planning on growing that implementation. This service helps both the school by keeping the technology running at peak, but also helps the students learn customer service, technology skills and an interest in future technology avenues.

Staff accounts have been greatly supported in terms of security when MFA was introduced in the 2021-2022 school year. We will be shifting our increased efforts toward our student accounts this coming year. We will be expanding account security options to include MFA for student accounts as well as other password updates that will increase the digital safety for our students.

## 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 currently use the Bright Bytes - Modern Learning Survey and plan implementation one time per year in the fall. The survey is based on student, staff and parent feedback.

*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.*

We have 2 data points for home internet from students. Our Modern Learning survey data reveals that 4% of students report not having Internet access at home and our online registration data for the same question indicates that 6% respond similarly. For this reason, we have continued efforts to support family internet options moving forward through federal funding and district documentation for these options. We have created a site for information and shared this option with families.

Bright Bytes data shows that 32% of students report teachers talking to them at least weekly about how to respond to online bullying. However another 50% of students still report the same conversations either every few months or never. Even with this statistic students report that 86% usually or always feel safe while working online and 87% report feeling comfortable reporting bullying incidents to a teacher or other adult at school. This reminds us of the continued need for education and awareness throughout the year on digital citizenship topics and mental health needs of our students.

## 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 36 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) 

 <b>AA-1</b>	Continue to provide nation’s first, fastest, highest quality, and most reliable internet access to 100% of Kentucky’s public schools
 <b>AA-2</b>	Continue to ensure equity and standardization for delivery of device, network, data and support creating best in class staff and student digital experiences AND provide a system of shared/brokered/managed services maintaining low infrastructure costs and providing support structures promoting the use of personalized learning environments
 <b>AA-3</b>	Continue to 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 ( <i>also including home access, Wi-Fi buses, school and classroom Wi-Fi, etc.</i> )
 <b>AA-4</b>	Continue to encourage the use of instructional programs and administrative processes requiring cloud-based services
 <b>AI-1</b>	Improve ease of access for students and staff through continued progress toward 1:1 student to computer ratio utilizing increased amounts of mobile devices ( <i>fewer traditional computer labs</i> )





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)
<b>AA-1</b>	Continue to refresh network equipment in all buildings to maintain and promote a robust network (full utilization of E-Rate Category 2 funding)	Director of Technology  Network Administrator	2023-2024 school year	E-Rate  General Fund	\$380,000  \$68,000	Network activity reporting and Wireless surveying
<b>AA-2</b>	Continue to follow the student chromebook refresh rate (every 4 yrs) on end user devices by budgeting needed funds.	Director of Technology  Director of Finance	Ongoing	ESSER Funding  General Fund	\$700,000  \$150,000	We will continue to refresh devices at 3rd, 6th and 9th grades.
<b>AA-3</b>	Continue to help students connect to the Internet at home by providing support and documentation for the Affordable Connectivity Program (ACP)	Director of Technology  Family Resource Coordinators	2023-2024 school year	N/A	\$0.00	Student and family feedback on technology survey and OLR documentation
<b>AA-4</b>	To provide a safe and monitored environment for administrative processes. Both hosted and cloud solutions.	Technology Support Team	Ongoing	Safe Schools  General Fund	\$30,000	By installing access control, cameras, visitor check in stations, and panic buttons. This ensures an efficient and safe environment for our staff and students.
<b>AI-1</b>	Improve district procedures to streamline the repair process for student devices and provide same day temporary devices for student use.	Director of Technology  Technology Support Team	Ongoing	N/A	\$0.00	Same day loaner devices for students and repair times will be 5-7 business days from the time of drop off. Data records will be available from both school helpdesk reports and GoGuardian reports.










**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) 

 <b>AA-1</b>	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 ( <i>Infinite Campus, Early Warning, MUNIS, eTranscripts, School Report Card</i> )
 <b>AA-2</b>	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 ( <i>acceptable use policies, firewall updates, data privacy studies, digital citizenship, content filtering</i> )
 <b>AA-3</b>	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 ( <i>annual auditors, TELL survey, Technology Activity Report, Digital Readiness, Data Quality Study, Data Quality Campaign, BrightBytes, SpeakUp</i> )
 <b>AA-4</b>	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 ( <i>Infinite Campus, Early Warning, School Report Card, MUNIS</i> )
 <b>AA-5</b>	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
 <b>AI-1</b>	Educate and support districts in the importance of personnel with duties related to student/staff data quality, security and privacy as well as bringing data privacy to the “radar screen” of teachers/staff ( <i>The People Side of EdTech</i> )
 <b>AI-2</b>	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	Multi Factor Authentication (MFA) for all staff accounts upon login of authenticated district resources.	Director of Technology Technology Support Staff	Ongoing	N/A	N/A	Requiring MFA yields greater security for all staff data and accounts. Fewer occurrences of reported account password compromise
AA-1	Increase student account security options (increasingly complex passwords, MFA options)	Director of Technology Technology Support Staff	2023-2024 school year	N/A	N/A	System reports from authentication services showing reduction in student account threats.
AA-2	Third party network / data penetration security audit	Director of Technology Network Administrator	Bi-Annually	General Fund	\$18,500 per audit	Audit report and findings assessment
AA-2	Phishing campaign for staff	Director of Technology	Ongoing	General Fund	\$10,000	KnowBe4 reports showing decreases in phishing clicks.
AA-3	BrightBytes Modern Learning Survey for students, staff, and parent/guardians; results used for next steps in improving technology access/use/resources	Director of Technology Digital Learning Coach Instructional Coaches School/District Administrators	Annually	Provided by state	N/A	Use of data results to improve technology access, use, effectiveness and support.  Ability to address goals in technology plan as based on specific results annually (or as administered).
AA-5	Continue professional	Director of	Ongoing	General Fund	\$7/student	Documentation of professional



	<p>learning and implementation of GoGuardian filtering system</p> <p>Expand digital citizenship education and awareness so that all teachers continue to talk about digital citizenship throughout the year.</p>	<p>Technology</p> <p>Digital Learning Coach</p> <p>Instructional Coaches</p> <p>All Teachers</p>			(\$50,000 )	<p>learning sessions with teachers on GoGuardian; GoGuardian data and reports; reduce number of “alert” incidents by 10% annually</p> <p>Reports of 100% student completion of digital citizenship lessons and increases in Survey data on awareness and communication related to digital citizenship.</p>
<b>AI-1</b>	<p>Annual confidentiality training to include data security and privacy as well as permissioning issues and communication (SSN, IEP, FRAM, Google, etc.)</p>	<p>Director of Technology</p> <p>Director of Human Resources</p>	Annually	General Fund	\$9,800	<p>Professional learning records of training completion (100% staff)</p>
<b>AI-1</b>	<p>Review current process/procedures for monitoring and consequences for data security/privacy.</p>	<p>Director of Human Resources</p> <p>Director of Student Services</p> <p>Director of Assessment/Accountability</p>	Annually	N/A	N/A	<p>Auditing/monitoring of IC user rights (annually)</p> <p>Updated policies/procedures regarding data security/privacy</p>
<b>AI-2</b>	<p>Full Implementation of EdTech Impact module from Bright Bytes visualizing digital software usage versus ROI in terms of achievement data.</p>	<p>Director of Technology</p> <p>Director of Assessment and Accountability</p>	Ongoing	General Fund	\$5,500	<p>Quarterly reporting review showing increase of assessment correlated to program use</p>












**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 ( <i>ex. Accounting for cost of ownership over the lifespan of equipment so monies are allocated for repairs/upgrades</i> )
 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 ( <i>e.g. Internet consumption</i> ) while maximizing education technology programs and initiatives ( <i>Technology Need, E-rate</i> )
 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 ( <i>Infinite Campus, Early Warning, School Report Card, MUNIS</i> )
 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	Make districts aware of position/roles requiring technology-related duties in support of technology and instruction ( <i>The People side of K-12 EdTech</i> )
 AI-2	Make districts aware of how to reduce expenditures on printing/print services ( <i>both in consolidated contract pricing as well as shifting from paper to digital experiences</i> )
 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)
<b>AA-2</b>	Utilization of Lenovo self-maintainer program for device repairs	Director of Technology  Technology Department Technicians	Ongoing	N/A	General Fund addition of ~\$125,000 annually	Keep devices under warranty and able to be repaired within 5-7 school days. District recovers partial investment utilizing warranty repair services within the district..
<b>AA-3</b>	Take full advantage of E-rate and match all KETS funding offers to maximize technology across the district.	Director of Technology  Director of Finance	2023-2024 school year	USAC/FCC/KDE	E-rate savings to district: ~\$380,000  KETS Match: ~\$155,000  HCS Match: ~\$155,000	Based upon successful E-rate filings / project completion and district match for KETS Funding
<b>AA-3</b>	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.	Director of Technology  Director of Finance  Superintendent  Board Members	Ongoing	General Fund  ESSER Funding	\$150,000  \$700,000	The 1:1 devices are included as a line item on the district budget that is approved by the board.
<b>AA-4</b>	Move server based applications to cloud options as available (Destiny, Nutrikids[Mosaic], Clever etc..	Director of Technology	Ongoing	General Fund	\$0.00	Successful migration of the programs will have continued or improved service and free up local servers to reduce the need for local hardware
<b>AI-1</b>	Participate in a “know your	Director of	2023 - 2024	N/A	\$0.00	We will keep a checklist to ensure



	Tech Team” staff spotlight event.	Technology Care Committee	school year			all EdTech staff members are included in at least 1 spotlight annually
<b>AI-2</b>	Create a printing cost analysis for schools to separate annual cost for printing through the pandemic versus a regular school year to show cost savings that are possible through increased reliance on 1:1 technology	Director of Technology  Director of Finance  Principals	2023 - 2024 school year	N/A	\$0.00	Continued reduction of printing services cost from the schools through the 2023 - 2024 school year as compared to previous years costs.
<b>AI-4</b>	Analyze expenditures on EdTech instructional software subscriptions and cross reference with usage reports from the Bright Bytes - EdTech Impact module.	Director of Technology	Ongoing	General Fund	\$5,200	We will analyze BrightBytes - EdTech Impact reports.








**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) 

 <b>AA-1</b>	Continue to build trusted relationships with shareholders (families, districts, partners) that will reduce risk as well as increase transparency and communication ( <i>districts, vendors, higher-education, regional cooperatives</i> )
 <b>AA-2</b>	Continue to utilize avenues of communication with shareholders allowing pertinent information and dialog to further student learning efforts ( <i>Webcasts, BrightBytes, Technology Activity Report, KETS Service Desk, Office of Education Accountability studies, independent studies, etc.</i> )
 <b>AA-3</b>	Continue to utilize tools engaging postsecondary institutions, community members, districts and families in student learning and life after K-12 ( <i>eTranscripts, School Report Card and Dashboard tool, Infinite Campus parent and student portal, KDE Open House, Digital Readiness Survey</i> )
 <b>AI-1</b>	Partner with postsecondary pre-service teacher and principal programs to provide support in candidate preparation
 <b>AI-2</b>	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



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)
<b>AA-1</b>	Increase communication with families by engaging in tech talks with parents at back to school nights / orientations / literacy nights / Title I events regarding device care and digital citizenship.	Digital Learning Coach  Instructional Coaches  School Technology Assistant  School Technology Coordinator	2023 - 2024 school year	N/A	\$0.00	Greater understanding of technology uses in the schools as well as digital citizenship related topics.
<b>AA-2</b>	Increase the number of schools that offer student help desk programs at Elementary, Middle, and High Schools by the end of 2023-2024 school year. Including scholarship offers to graduating helpdesk students.	Technology Support Staff  Students  School Technology Assistant	2023 - 2024 school year	Co-op program General Fund  Lenovo Self Maintainer program	\$2,000	Increase in help desk count within district  Number of Co-op students  Lenovo Certifications-high school level
<b>AA-3</b>	Engaging Community with Student Technology information including updating parents/guardians on new educational software or changes to current software utilized by students through emails/google meets/recorded videos by digital learning coaches	Director of Technology  Digital Learning Coach  Instructional Coaches  Public	Ongoing	N/A	\$0.00	Increased understanding of technology related topics around the community



		Information Officer				
<b>AA-3</b>	Support families with documentation for the Federal Affordable Connectivity Program (ACP)	Director of Technology Family Resource Coordinators	Ongoing	N/A	\$0	Number of family households that request documentation.
<b>AI-2</b>	Partner with HCC/KCTCS/MSU for STLP projects by students in CTE Pathways and other areas of instruction provided by the HCC Campus	Director of Technology Digital Learning Coach Public Information Officer	Ongoing	Field Trip funds per school	TBD	Increase knowledge of what HCC/KCTCS/MSU has to offer at the Henderson Campus via tours, guest speakers, partnering on projects, and other forms of collaboration.











**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) 

 <b>AA-1</b>	Continue to provide access to instruction digital content which further aligns to the Kentucky Digital Learning Guidelines
 <b>AA-2</b>	Continue providing opportunities for students to demonstrate learning connected to and through technology ( <i>empowering students through technology with STLP, IT Academy, etc.</i> )
 <b>AA-3</b>	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 ( <i>based on International Society for Technology in Education standards</i> ) for ALL students
 <b>AA-4</b>	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 ( <i>online formative assessment tools, interim based assessments, and summative assessments</i> )
 <b>AA-5</b>	Continue to provide districts/classrooms access to digital instructional materials through an equitable of robust digital experience
 <b>AI-1</b>	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
 <b>AI-2</b>	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
 <b>AI-3</b>	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)
<b>AA-1</b>	Early intervention reading programs will be used to promote early reading readiness skills. (Headsprout ©, Lexia Core 5, or Imagine Learning)	Assistant Superintendent of Teaching and Learning  School Principals  Instructional Coaches  Classroom Teachers	Ongoing	Title I  Title II  IDEA B  General Fund	\$40,000	Student achievement levels in reading will be increased.  Headsprout / Lexia reports
<b>AA-1</b>	Compass Learning, Lexia Core 5, Imagine Learning, Reflex Math, IXL or similar curriculum programs will be implemented at schools to promote both 'catch up' growth and accelerated growth in students.	Classroom Teachers  Assistant Superintendent of Teaching and Learning  Instructional Coaches	Ongoing	Title I / Title II / General Fund	\$6 / student (\$20,000)	Program Reports  NWEA and STAR Reports of student growth/progress
<b>AA-2</b>	Continue to develop and expand STEAM labs in media centers (makerspaces)	Library Media Specialists  School Technology Coordinators	Ongoing	General fund	\$5,000	Classes embedding makerspaces through their curriculum
<b>AA-3</b>	Digital Literacy-CTE pathway course	Assistant Superintendent of Teaching and Learning	2023-2024 school year	General Fund	TBD	Enrollment and completion

		CTE Principal Business Teachers				
<b>AA-3</b>	Henderson Community College Dual Credit	HCHS Principals HCC Administration HCHS Guidance	Ongoing	General Fund HCC	TBD	Dual Credit attained
<b>AA-4</b>	The district will continue to use tech resources such as Gradecam, Google Forms, GoFormative, EdCite for common assessments and formative assessments	District Teachers Digital Learning Coach Instructional Coaches	Ongoing	Title 1 TB21	\$15,000/yr.	Student/Teacher Use Run of reports
<b>AA-4</b>	AIMSweb, STAR Reader/Math program, and Measures of Academic Progress (MAP) data will be used in elementary and middle schools to monitor progress of students assigned to tiered interventions as part of the Kentucky Multi-Tiered Systems of Supports (KyMTSS), an RTI process. CERT testing will be used at the high school to monitor progress of students assigned to tiered interventions as part of	School Principals Instructional Coaches Classroom Teachers Intervention Teachers Assistant Superintendent of Teaching and Learning (Elementary) Assistant	2023-2024 school year	Title I	TBD	AIMSweb reports STAR reports CERT reports

	the Kentucky Multi-Tiered Systems of Supports (KyMTSS), an RTI process.	Superintendent of Teaching and Learning (Secondary)				
<b>AA-4</b>	All school staff support students in the creation and continuous update of their Individual Learning Plans (ILP, grades 6-12) through the use of the ACE program	Principals and Asst. Principals  Guidance counselors  Student Advisors	Ongoing	General Fund	34,700	We will be implementing annual reviews of digital skills and planning through the ILP process.
<b>AA-4</b>	The district will continue implementation of NWEA MAP online assessment for grades K-9. The district will continue implementation of CERT online assessment for grades 10-12.	District Instructional Team  District Assessment Coordinator  School Principals	Ongoing	General Fund	TBD	Continuous progress of students can be tracked and used for design of instructional interventions.
<b>AA-1</b>	Implement the new Kentucky Academic Standards for Technology in to all classrooms (gr k-12)	Assistant Superintendent of Teaching and Learning (Elementary)  Assistant Superintendent of Teaching and Learning (Secondary)  Digital Learning Coach	2023-2024 school year	NA	NA	Documents for teachers created by DLCs  Lesson plans



		Classroom Teachers Principals				
<b>AA-2</b>	All schools will have an active STLP team lead by the school STC	Director of Technology STCs Principals	2023-2024 school year	General Fund and TB-21	9 - \$750 (STC stipend)  \$2,000 (TB-21) travel for state competition	Monthly STC Meeting STLP competitions





### 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) 

 **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-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

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)
<b>A1-1</b>	District will provide differentiated professional learning opportunities to teachers based on need that will encourage the use of digital tools in the classroom	Digital Learning Coach  Instructional Coaches	Ongoing	N/A	N/A	Monthly Tech mini PD sessions meeting agendas/sign ins
<b>AI-1</b>	District will provide beginning level skills for technology related tasks.	Digital Learning Coach  Instructional Coaches	Ongoing as new staff are hired	N/A	N/A	Meeting Agendas/Sign-ins  Can show evidence that they can: <ul style="list-style-type: none"> <li>- Sign into Google</li> <li>- Share a Document</li> <li>- Bookmark</li> <li>- Create a Google</li> </ul>





						<ul style="list-style-type: none"> <li>- Classroom</li> <li>- Set up Go Guardian</li> <li>- Log into IC</li> <li>- Log into Gradecam</li> <li>- Log into Aesop</li> <li>- Living Calendar Access</li> <li>- Log into email</li> </ul>
<b>AA-1</b>	District instructional staff will provide new employee training for digital resources before they enter their work location. Additional ongoing support will be provided as needed to best meet the technology objectives. Remind staff of resources available on websites, etc	Digital Learning Coach Instructional Coaches Administration	Ongoing	N/A	N/A	Evidence from training attendance, lesson plans, and walkthroughs
<b>AI-1</b>	All district teachers will complete a survey of technology use for instruction and student engagement.	Director of Technology Digital Learning Coach Instructional Coaches	Ongoing	N/A	N/A	Evidence from the Modern Learning Survey
<b>AI-1</b>	District will provide support to the Media Specialists and teachers in using the STEAM/Makerspaces to aid instruction.	Digital Learning Coach Media Specialists	Ongoing	TB-21	10,000	Classroom teachers collaborate with the Media Specialists to implement Makerspace / STEAM activities



**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

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	Use of Google Classroom as online / virtual classwork	ALL teachers  Instructional Coaches	Ongoing	General Fund	\$21,000	All teachers are constantly using google classroom with students for meaningful lessons. Using for Gifted students Using for struggling students (RTI)