

DISTRICT TECHNOLOGY PLAN

DISTRICT NAME Cumberland County School District

LOCATION Burkesville, KY

PLAN YEAR(S) 2023-2024



<https://www.cumberland.kyschools.us>

Board Approval Date:

March 30, 2023

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Planning Team

District Staff [Recommended to include CIO/DTC, TIS/DLC, technician, finance officer, superintendent, academic officer, etc.]

Kirk Biggerstaff, Superintendent	Ginger Garmon, Chief Information Officer
Michelle Cash, Instructional Supervisor	Jeremy Gore, District Network Coordinator
Jason Dodson, Director of Pupil Personnel	Paige LaGrange, Digital Learning Coach

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

Erika Hurt, CCES Principal	Valerie Shelley, CCMS Principal
Josh Henderson, CCHS Principal	Nikkia Frost, CCES Guidance
Nathalie Vincent, CCMS Guidance	Nathan Britt, CCHS Guidance
Hannah Hopper, CCES Assistant Principal	Nathan Garner, CCMS Assistant Principal
Tabatha Moons, CCHS Assistant Principal	Lisa Perdue, School Nutrition, Director of Preschool Services & Early Childhood and Response to Intervention Coordinator

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

Sue-Elise Flowers, Gifted & Talented/CCES 21 st Century	
Heather Muse, Special Education Director	

Students [Recommended to include middle and/or high school students]

Brandon Thacker	Cumberland Co HS Student
Eli Carey	Cumberland Co HS Student
Harley Young	Cumberland Co MS Student

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?*

Under Digital Curriculum, Instruction & Assessment—The CIO, Digital Learning Coach, and Network Administrator work with teachers as needed to provide timely support with interactive boards, document cameras, iPads, chromebooks apps and hardware/software for student use and teacher use, etc.

Web-Based Subscriptions—

- Mastery Prep was scheduled and ACT Bootcamp practice sessions were provided to CCHS students during and after school to improve ACT performance. (Bootcamp part of CCHS 21st Century program)
- MAP (NWEA) was used with all students in grades K-5. Results from NWEA are synced to ExactPath and learning paths are prescribed based on NWEA scores. ExactPath is used to help students develop their knowledge for prescribed content for individual students. Content can be realigned as student’s master content and move forward. Exact Path Challenges can be assigned. Study Island was also used with students to enhance their social studies skills in Grades 5. HMH was purchased to help improve reading comprehensive.
- MS students used Virtual Job Shadow to learn job and career information. High school students created Individual Learning Plans using a Google Form.
- Edulastic was purchased for all three schools and are used to give summative assessments, mid-term and final assessments.
- Additional programs purchased to help meet the needs of students—Reflex Math, Zearn, K-3, Freckle, Sadlier Connect, BrainPop, Learning Without Tears, Read 180/Math 180 were used at all three schools for intervention. etc.
- Continued use of Clever throughout the district for easy login and accessing programs.

Student Technology Literacy goals

- All students receive digital citizenship instruction throughout the year in a variety of formats. All students have access to technology and use it in multiple ways in computer classes, content related classes, enrichment classes, after school programs such as 21st Century, and at the local area technology center, etc.

Staff Training and Professional Development goals

- The number of Google certified teachers has dropped due to turn over of teachers. Goals is to have 75% of certified teachers obtain Level I Google certification.
- The goal is for all certified staff to be a Level I certified teacher and teachers have been encouraged to work on Level 2 certification. This is a continued goal for our district. Some teachers in the district are the point that it is time to recertify.
- CCES teachers received ½ day best practice training using the ViewSonic boards during August 2022 training day.

Technology Goals

- The district uses a variety of communication tools--District website/app, Facebook and ParentSquare, and Twitter to communicate with parents, students, and staff members on important announcements. CCMS piloted KinVolved as an alternative to Remind to improve student attendance. CCMS will no longer use this program after the 22-23 SY.

- New electronic signs were purchased for CCES and CCHS/CCMS to display upcoming dates and events and advertise student accomplishments.
- Infinite Campus Online student registration was continued during the 2022-23 registration period. The process will continue to be refined for the 2023-2024 registration period. Parents will receive assistance if needed to register their child using the online tools.
- 375 chromebooks were purchased with ECF funds. These additional chrome books were purchased for CCHS/CCMS/CCES to replenish the devices that are going End of Life. Support is provided to staff when current devices fail. All three schools are 1:1. An end of life schedule has been created to identify the devices that will go end of life at all three schools. Additional devices will be purchased throughout this school year to cover the devices being deprovisioned. New iPads were purchased for the Kindergarten students.
- Implemented PaperCut for the district for teachers and staff to be able to print via chromebooks as well as decrease wasted printer copies.
- All teachers/staff received new monitors for their teacher desktop.
- All classroom teachers have an interactive touch panel for displaying content to students.

Data Security and Safety

- Relay was pushed to all chromebooks and teacher/staff machines. Relay Mobile Manager was purchased to help monitor and manage iPads. School Manager is being used to assign iPads to the Mobile Manager and to install apps as needed.

Robust Infrastructure & Ecosystem

- Updated all network switches, and all access points for the entire school district Spring 2022. Wireless access points were purchased with erate funds.
- Access points for non erate facilities were purchased separately.
- The UPS unit housed at CCHS was replaced in the summer of 2021. A new fiber run at CCES has been implemented. (Spring 2021)
- All phone systems in the district were replaced. (June 30, 2021)
- Replaced 30 year old intercom system at CCES. (summer 2021)
- Purchased new camera system for the middle and high school to provide better coverage and security for these schools. (August 2022)

Goals that were not met or didn't have the expected outcomes?***Curriculum and Instruction goals***

Additional time needs to be allotted for providing professional development to teachers on emerging technologies and new teachers entering the district.

Technology goals—the district still needs to replace virtual servers with new servers and eliminate unnecessary servers no longer needed due to change in technology. Remove unnecessary servers from server farm which were used in the past for saving shared files and allow staff to move files to cloud solution. Extend warranties on current servers until decision is made to purchase new server. Migrate and consolidated information to new server for a more secure reliable solution. All doors, locks, and security cameras and necessary servers need to be replaced at the high school and middle school.

Areas of improvement?

The District will continue to work with all stakeholders to refine Infinite Campus online registration procedures. Significant reduction in the amount of paperwork was noticeable during the 2023-2024 registration. Work will continue to make this process easier for parents. Discussion has been generated and areas of improvement have been identified. A renovation project will be started in the fall of 2023 for the elementary school. Current planning is in process. The CCES wiring project that was identified in the 2022 erate cycle has been extended to align with the renovation project. New security cameras for the elementary school, bus garage, central office, and Panther Academy are future projects the district needs to address.

Areas/goals that are no longer relevant?

- Upgraded remaining two schools to 10 GB. This was accomplished during the summer of 2021 during the core upgrade for the district.
- Replaced/refreshed all network switches with POE for the entire district. (August 2021)
- Replaced all wireless access points to AX model and moved to a cloud based management system. (January 2022)
- Replaced all phone systems with digital platform (POE VOIP phone). (Summer 2021)
- Completed the single-sign on with of Infinite Campus and G-Suite for teachers and staff. (Summer 2021)
- Replaced all teacher view sonic boards, monitors and document cameras at CCMS/CCHS/CCES monitors
- Installed new entry **door security system** at CCMS and CCHS

Needs that emerged after evaluation of the previous plan?

- Replace aging web server and Hyper-V solutions for district. (Bell System, Door System, Tech, PaperCut/Print Servers)
- Research and replace teacher workstations as lease becomes due. Need more robust machines for all of the different tools being used.
- Rewire CCES building with Cat 6a wiring for better end user experience
- Continue to refresh chromebooks as they approach end of life. Refresh based on end of life schedule.
- New security cameras for CCES, bus garage, central office, and Panther Academy need to be researched and integrated into high and middle school platform.

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 IT team meets and discusses the ideas and goals for the district. The committee generates a list of possible areas of improvement and then this information is presented to the district leadership team. The plan is then discussed to determine what additional areas of improvement need to be identified to take place for the individual school. The administrators are notified of pending end of life, age issues of equipment/technology. The drafted plan is presented again to the leadership team at a regular meeting time generally in the spring and request for final review. The final plan is presented to the board for approval. It is a very small school so there is continued day-to-day discussion of student improvement and the plan is generated to support the learning goals of the district.

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.

All plans and projects identified in this plan are in support of our students and teachers. Students are encouraged to set goals and work toward meeting those goals identified by the student as well as the staff. The technology in the district needs to support the instructional goals identified at each school. All four categories identified should go hand-in-hand. Our students need to be academically sound and meet the benchmarks identified. Clever analytics plus principal observation/recommendation and technology survey will be used to identify programs that are not being used. We will continue to use technology everyday every class period in a variety of ways. Students improve their technology skills due to technology being embedded in instruction. Staff are working daily to improve their skills whether it be professional development for their content area but also learning and using the different technology tools. Professional development is provided during the summer, after school, and during professional learning communities. The district continually evaluates the infrastructure to identify areas of concern, strengths, and what is imminent that we update. Over the course of this next year, we will continue to work to replace the wiring at the elementary school (erate extension will be filed). We will monitor the NEW systems put in place (wireless access points and switches) this past year and evaluate for better performance and uptime of our network environment. We will continue to plan for new security systems to cover areas that have outdated camera systems.

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)?

A random selection of students and all parents were questioned on 1) how effective technology is in learning content in your school, 2) if the necessary tools were available to help the student achieve success and 3) what suggestions he/she had for the advancement of technology in the school. From the sample of students' interviewed, all students indicated they had the technology tools needed to learn the content in their classroom. They also indicated they thought the technology we have for students to use is effective. Of the 988 parents surveyed, 99% indicated that the student had the available tools in the classroom to achieve academic success.

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.

Key elements to be targeted during this survey will include: The following questions were asked of all parents registering students for the 2022-2023 school year.

How effective is the use of technology in learning content in your school? I discussed this question with two high school sophomores and one eighth grade student, all students unanimously agreed that the use of technology especially this year is very effective in learning content.

Do you have the available tools in the classroom to achieve academic success? Of the students interviewed, all students agreed that our school has the tools needed to achieve academically.

What suggestions do you have for the district to advance the use of technology in the classrooms? Of the students interviewed, all seemed pleased with the technology that is available. Only one suggested better wireless and as a result we discussed ways to identify the issue he was having in his classrooms.

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-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

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)
AA2	Evaluate and monitor current student devices and refresh aging devices on a 5 year rotation cycle for all schools. This will be based on end of life cycle per model of device.	CIO Network Admin Superintendent Finance Officer	Scaffold Timeline	SBDM, Title I,	\$75,000	Replace on a timeline end of life schedule or device failure.
AA2	Refresh teacher/staff devices as needed. (Target date 2025)	CIO Network Admin Superintendent CFO	2025	SDBM	\$28,407 ES \$12,280 HS \$11,052 MS	Performance End-user feedback
AA2	Evaluate server use and purchase new servers based on district needs. Server would replace FILE, TECH, and Hyper-V Server, and CAS server)	CIO Network Admin Finance Officer	2023-ongoing	General	\$5000	Reduced outages over time

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AA2	Manage new security system hardware & software and cameras for better management of security cameras located at each school	Superintendent Network Admin CIO School Admins	2023-2024	Safety	\$150,000	Reports will covering larger area within the schools; under covered areas will not have service for viewing events as needed;
AA2	Continue to renew network enterprise license, software support and Netsite appliance renewal, and CloudIQ.	Network Admin CIO	2023-2024	General	\$6667.00	Network uptime End user experience
AA2	Renew PDQ software for managed district wide software install for updates and for inventory count	Network Admin CIO	2023-2024	General	\$1000	Program performance
AA2	Maintain the district website and train administrators to update necessary components of the website.	Superintendent CIO Network Admin	2023-2024	General	\$4595.50	Number of visits to site; Feedback from viewers; Site usage report; Google Analytics
AA2	Rewire the elementary network to Cat 6a pending renovation schedule (current network cabling is Cat 5)	Superintendent Network Admin CIO	2023-2026	General Erate	\$11,065.72 \$62,705.75	Network stability for wired devices




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-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-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

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)
AA2	Annual update and review of Acceptable Use Policies for staff and students.	CIO Network Admin	2023-2024	NA	NA	Board approval Staff signature page Student signature page
AA2	Teachers will review the Student Acceptable Use Policy with students during orientation activities. Acceptable Use Policy is listed in student handbooks/agendas, school website, student/parent	CIO Network Admin Teachers Staff	2023-2024	NA	NA	Student signatures of review

	portal, etc.					
AA5	Teachers will teach Digital Citizenship activities using a variety of resources at all grade levels. Teachers will identify key components to being a good digital citizen.	CIO Network Admin Principals Teachers	2023-ongoing	NA	NA	Lesson plans
AA2	Monitor LightSpeed/Relay Content Filtering on a daily basis. Nightly reports are generated and sent to admins. Additional reports are generated as requested by admins.	CIO Network Admin Principals Assistant Principals	2023-Ongoing	Provided by KDE	Provided by KDE	Reports
AI-1	Annual compliance training required for all teachers and staff— Digital Security and Best Practices resources and assessment.	CIO	July 2023 (Annual)	NA	NA	Certificate of Completion Sent to Instructional Supervisor
AA2	Renew Mobile Manager for iPads. Identify additional classroom tool for teachers to use to monitor student activities during online classes, Relay Classroom.	CIO Network Admin Principals	July 2023 (Annual)	SBDM Title I General	\$1500.00/ye ar	Reports
AA5	Daily positive social media post to celebrate educational success of students and staff	PR Director Principals	2022-2023	NA	NA	Social media “Likes”
AA2	SAML is used by staff to sign in to Infinite Campus	CIO Network Admin	Ongoing	NA	NA	Securer method for teachers to sign in to Infinite Campus
AA2	Fifteen minimum passphrase has been enforced for all staff	CIO Network	Ongoing	NA	NA	Staff required to change and update password every 180 days


		Admin				
AI-1	Staff will use two step authentication for Google Workspace	CIO Network admin DLC	Ongoing	NA	NA	Reports indicating staff that completed setup; Additional layer of security
AA2	MDF and SSPR has been implemented for all staff to secure staff accounts.	CIO Network admin DLC	2023-ongoing	NA	Provided by KDE	Accounts are secure and accounts have not been compromised. Review reports in Azure. Additional layer of security.
AA2	Continue to use SAML for KYVL for students and staff	CIO Network Admin DLC	2023-ongoing	NA	NA	Students will have access to multiple platforms using one set of login credentials.




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-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*)

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)
AA2	Annual meeting with Finance Officer to discuss technology budget and technology items of concern—end of life on certain equipment, annual warranty renewals, etc.	CIO Network Admin Finance Officer	Spring 2023	General Fund	\$100,000	Needs assessments results and budgetary action plan.
AA2	Living database of servers, computers, etc. which identifies date of purchase, funds used, etc. Database is used to make informed decisions on refreshing server equipment, infrastructure equipment, computers, etc	CIO Network Admin Superintendent Principals Finance Officer	2023-2024	NA	NA	Monthly update of database Ease of Management and updating of equipment
AA3	Stay current on E-rate budgets, processes, and E-rate cycles. Apply for necessary E-rate funds to purchase necessary infrastructure equipment based on needs and goals of the district.	CIO Network Admin Superintendent Finance Officers	2023-ongoing	General, Erate	NA	Monthly review/update on erate budgets, processes, and cycles
AA2	District lease of copiers for each school and central office to cut down on cost of printing, paper, etc. Continue use of Papercut for anywhere cloud	Superintendent Finance Officer CIO/Network Admin	2023-2024	SBDM	\$25,302/yr	Reduced copy costs to the district.



	printing. (Lease started July 2023)					
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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-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*)

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)
AA1	School district will use a variety of resources to communicate with parents, staff, and students as needed—District website, district mobile app, twitter, monitor and update content on the digital school signs, email and Facebook.	CIO Network Admin Principals Superintendent Teachers	2023-2024	SBDM, General, GearUp, ESSER	\$4950.82	Participation rate of students and parents with Remind 101, post engagement rates on social media Reports from ParentSquare
AA1	Post important parent and student information to district website, district branded app and social networking sites.	CIO Network Admin Principals, Superintendent Teachers	2023-2024	Title I, SBDM, General	NA	Number of accounts reached or viewed as identified by the particular social media being used

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AA1	Use of Kentucky Virtual Library in partnership with Public Library to provide high quality resources for teachers and students	Asst Principal Library Media Specialist Teachers	2023-2024	SBDM	Reimbursement via KDE	Usage reports
AA1	Promote use of Parent Portal encouraging parents to access student information via portal for updated information about grades, attendance, registration, etc.	Principals Guidance Teachers	2023-2024	NA	NA	Number of parents participating in online registration process, Reports on Portal Usage
AA1	In-house website is maintained for Staff and Finance use. Purpose is for day to day administrative task.	CIO Network Admin Principals Staff	2023-ongoing	NA-Use of Virtual Server	NA	Number of purchase orders submitted electronically
AA1	Admins and teachers participate in educational cooperatives for trainings and resources for the district.	Superintendent DPP Instructional Supervisor All Staff as needed	2023-ongoing	Title I, SBDM, General	\$1000	EILA credit hours, PD logs, certifications earned from PD
AA3	Technology access database is maintained and used to provide information for the Digital Readiness Report, School Report, etc.	CIO Network Admin DLC	2023-ongoing	NA	\$0	School Report Card
AA3	Google form is used to gather information from parents in regards to home internet accessibility (collected during annual registration)	CIO Network Admin DLC	2023-ongoing	NA	\$0	Online registration forms

AA3	Established relationship with preschool program in the county	Superintendent Instructional Supervisor Preschool Director	2023-2024	Preschool Funds		Number of preschool students supported with the program
AA3	Little Panthers Daycare will use ParentSquare for communication with parents and staff.	Preschool Director CIO DLC Network Admin	2023-ongoing	General Fund	Included in district cost	Reports from ParentSquare on delivery of messages.



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-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

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)
AA5	Web-based subscriptions such as Edulastic, GimKit, IXL, Lexia, Study Island Reading Plus, Reflex Math, and Study Island, Zearn, LearningFarms, CERT, Read/Math 180 and System 44, Exact Path, Flocabulary, etc. will be used to increase student knowledge in reading, math, and science across grade levels.	Principals Teachers CIO DLC Network Admin Instructional Supervisor	2023-ongoing	Title I, SBDM, Grants, GearUp	\$100,000	Student progress monitoring for each subscription Program usage reports
AA2 & AA5	Technology will be used to increase student engagement levels, increase/improve the level of quality of content being delivered, and increase the occurrence of student centered activities.	Principals Teachers CIO DLC Network Admin Instructional Supervisor	2023-ongoing	Title I, SBDM, Grants	NA (Covered in other Strategies)	Teacher lesson plans Walkthrough data
AA3	Teachers will implement the age appropriate technology standards into their lesson plans.	Principals Teachers CIO DLC Network Admin Instructional Supervisor	2023-ongoing	NA	NA	Evaluations, Pacing Guides, Student work
AA2 & AA5	Teachers will use Google Classroom and other Google Workspace Enterprise Plus apps to deliver instruction.	Principals Teachers CIO DLC	2023-ongoing	General, Title I	\$2500	Walkthrough data Google Classrooms created Lesson plans

		Network Admin Instructional Supervisor				
AA2	Students participate in STLP at all three schools by participating in after school meetings, mentoring activities, and regional and state competitions.	CIO DLC STLP Coaches Teachers	2023-ongoing	STLP	\$300	Sign-in sheets from STLP meetings Competition winnings
AA3	Students participate in CTE courses at the local high school and at neighboring Clinton Co Area Technology Center.	Principals	2023-ongoing	NA	NA	Master Schedule Student Schedules
AA4	Universal screeners will be used to determine student areas of need. MAP (NWEA) grades K-5 for math, reading and grade 3 science. CERT will be used at CCMS for grades 6-8. Star Assessments will be given in ELA and Math at CCMS. MasteryPrep/TruScore will be given to student's grades 9-12;	Principals Teachers CIO DLC Network Admin Instructional Supervisor	2023-ongoing	Title I, SBDM, GearUP, KYCL Grant	\$12,000	Student data from assessments Data Trackers
AA4	Summative Assessments, mid-terms, and final exams are administered via Edulastic.	Principals Teachers CIO DTC Instructional Supervisor	2023-ongoing	Title I, SBDM		Data Tracker Student assessment data
AA4	Edulastic will be used for formative and summative assessments at CCMS.					

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AA4	Edulastic will be used to help train students to recognize technology enhanced assessment items which will be present on state administered assessments (KPREP, etc.)	Principals Teachers DAC, BAC Instructional Supervisor	2023-ongoing	Title I, SBDM		Successful completion rate of assessment in allotted amount of time and assessment reports
AA4	Data trackers are completed by each teacher and shared with principals. Discussion are made on how to address student needs.	Principals Teachers Instructional Supervisor Superintendent	2023-ongoing	NA	NA	Evidence in the data tracker
AA4	Use DataLooker to create a visual view of student data which will help identify student areas of growth, and deficient. The tool will be used to communicate the data in an easy understandable format.	Principals DLC Instructional Supervisor	2023-ongoing	NA	NA	Data will be pulled from multiple data sources gathered by staff.
AA4 & AA5	KICLL provides online and paper resources to help move students from novice/apprentice to proficient/distinguished. TLM Training for Gr 4-5, Read 180 and System 44 for Reading Intervention, HMH for Grades K-5	Teachers Principals Literacy Coach Instructional Supervisor	2023-2024	SRL Grant,	\$72,000.00	Student data Teacher lesson plans Ready 180 data System 44 data
AA4	Monitor and support competitive eSports program which will be available for students Grades 7-12	Superintendent CIO DLC Network Admin	2023-2024	General	\$1000	eSports Roster and participation rate



AA5	Use variety of online collaboration tools (email, Parent Square) for NTI days— Use Google Meet to offer support and keep students engaged during NTI days and deliver instruction.	Superintendent CIO Network Admin DLC Principals	2023-2024	NA	NA	Reports from Google on use of tools
AA4	Support CogAT and Iowa Assessments for Gifted and Talented Program and students.	GT Coordinator CIO	2023-2024	Grant	\$1245	Reports from assessments
AA5	Use PBLs Online Platform to offer students learning opportunities with the following--STEM Challenges, Critical/Creative Thinking Exercises, Escape Rooms/Forensic Sciences as well as Remote Learning exercise for all classroom teachers and students	GT Coordinator Instructional Supervisor DLC	2023-2024	Title I	\$532	Activity logs for staff and students
AA5	Teachers receive weekly emails from Ben Bache a Professional Development Portal	GT Coordinator	2023-2024			
AA5	CCES, CCMS, and CCHS will use CodeMonkey to help teacher computer science standards.	Teachers DLC	2023-2024	GearUp	\$4700.00	Reports generated from CodeMonkey.
AA5	Dyslexia Quest will be used to screen students K-2.	KYCL Grant Coordinator	2023-2024	KYCL Grant	\$5000.00	Reports generated from assessments.




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.

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)
AA1	46% of teachers in the district are Google certified Level I. Teachers will continue to work toward Level II certification and recertification for those licenses that have expired. All NEW teachers are asked to become Google Certified.	Superintendent Principals Instructional Supervisor CIO Teachers	2023-ongoing	SBDM, Title I	\$2500	Increased number of students and teachers utilizing google classroom and google suite tools to drive instruction.
AA1	District will provide Literacy Training (Artful Reading PreK-3, Transition Literacy Model Grades 4-5, and Adolescent Literacy Model Grades 6-12 for all staff	Instructional Supervisor Principals	2022-2023	KYCL Grant		Assessment Results Data Tracker Results
AA1	Technology professional development will be offered	CIO Network Admin	2023-2024	NA	NA	Technology Survey Results

DISTRICT TECHNOLOGY PLAN

Cumberland County School District



	throughout the school year, or on demand classroom support will be offered, etc.	DLC Principals Instructional Supervisor				
AA1	Annual Fall District Leadership Training—Lead by Superintendent	Superintendent	2023-2024	General Title I		Evaluation of Training
AA1	Digital Learning Coach will support classroom teachers as needed with in-person instructional needs.	DLC Instructional Supervisor	2023-ongoing	General		Data Reports Daily Log or points of contact with parents and students
AA1	Technology updates will be sent as needed to district teachers and staff to keep them apprised of any updates.	CIO	2023-2024	NA	NA	Response from recipients
AA1	In-house virtual alignment professional development for all content K-12 teachers.	Superintendent Instructional Supervisor Principals	2023-2024			Pacing guides and calendars
AA1	Technology staff attend Regional and State level Edtech leader meetings. (Region 2 Meetings, KySTE-Fall & Spring	CIO Network Admin	2023-2024	Technology	\$1000	Evaluation of Training
	Literacy Academies Training will be provided to identified teachers Grades PreK-12 at GRREC.	KYCL Grant Coordinator Principals	2023-2024	KYCL Grant		Evaluation of Training; Reports; Assessment scores





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)
AA1	Use Apex Learning for homebound students, panther virtual academy students, credit recovery students, alternative school students, and online elective courses as needed, etc.	DPP Principals Guidance Student Services Coordinator	2023-2024	General Fund Title I	\$11,600	Reports Completion of Lesson and Assessments
AA1	Advance placement courses and Dual-Credit courses are offered to student's grade 9-12	Principal Guidance	2023-ongoing	Two Scholarships are awarded per student.	NA	Successful completion rate of courses

	via Somerset Community College and Campbellsville University.			Additional courses are student's responsibility.		
AA-1	Students use Blackboard and Moodle for dual credit classes. Support is provided as needed.	Guidance Teachers	2023-ongoing	Included in cost of class	NA	Successful completion of online course
A1	Support teacher and student use of Google Classroom for online access anywhere.	CIO DTC Principals Teachers	2023-ongoing	NA	NA	Increase the number of students and teachers using Google Classroom and the Google Workspace tools.