WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM

ITEM #: **DATE:** April 12, 2022

TOPIC/TITLE: Approve WCPS Technology Plan for 2022-2024

PRESENTER: Bob Gibson

ORIGIN:

- ☐ TOPIC PRESENTED FOR INFORMATION ONLY (No board action required.)
- ☐ ACTION REQUESTED AT THIS MEETING
- ☒ ITEM IS ON THE CONSENT AGENDA FOR APPROVAL
- ☐ ACTION REQUESTED AT FUTURE MEETING: (DATE)
- ☐ BOARD REVIEW REQUIRED BY
  - ☐ STATE OR FEDERAL LAW OR REGULATION
  - ☐ BOARD OF EDUCATION POLICY
  - ☐ OTHER:

PREVIOUS REVIEW, DISCUSSION OR ACTION:

- ☒ NO PREVIOUS BOARD REVIEW, DISCUSSION OR ACTION
- ☐ PREVIOUS REVIEW OR ACTION
  - ☐ DATE:
  - ☐ ACTION:

BACKGROUND INFORMATION:

Kentucky school districts are required by state regulations to submit a technology plan for board and KDE approvel.

SUMMARY OF MAJOR ELEMENTS:

The WCPS technology plan spans 2 years and is updated annually and covers the areas of network infrastructure, data security, resources, partnerships, digital curriculum & instruction, professional learning, and use of space and time.

IMPACT ON RESOURCES: No changes to the budget.

TIMETABLE FOR FURTHER REVIEW OR ACTION: NA

SUPERINTENDENT'S RECOMMENDATION: ☑ **Recommended** ☐ **Not Recommended**

Dan Addy

Kentucky Education Technology System

DISTRICT TECHNOLOGY PLAN

DISTRICT NAME Woodford County Public Schools

LOCATION Versailles, KY

PLAN YEAR(S) 2022-2024

WOODFORD COUNTY PUBLIC SCHOOLS

Where Great Minds Meet

www.woodford.kyschools.us

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Planning Team

District Staff [Recommended to include CIO/DTC, DLC, technician, finance officer, superintendent, academic officer, etc.]	
Danny Adkins - Superintendent	**Meghan Bottom - STEAM Integration Specialist**
Bob Gibson - CIO	**James Tuttle - Network Supervisor**
Jeff Martello - CFO	**Martha Jones - DAC**
Ryan Asher - CAO	
Sandy Adams - DLC	

Building Staff [Recommended to include principals, LMS, STC, counselors, teachers, teaching assistants, etc.]	
Liz Kirk - WCMS Principal	**Ryan Wilson - Simmons Dean**
Kevin Faris - WCHS Asst Principal	**Elaine Kaiser - Huntertown Principal**
Bianca Bargo - Southside Counselor	**Amber Sergent - WCHS Teacher**
Liz Perry - Northside Teacher	**Callie Baney - WCMS Teacher**

Additional District Contributors [Recommended to include board members, SBDM members, program directors, etc.]	
Dani Bradley - Board of Education Chairperson	**Mary Shryock - Student Rep Board Member**
Candy Luttrell - STC	**Melinda Caldwell - STLP**

Students [Recommended to include middle and/or high school students]	
Campbell Hanson - WCHS Student	**Samara Miller - WCHS Student**

Other [parents/community members, business and nonprofit leaders, etc.]	
Brad West - Parent	**Emily Downey - Executive Director of the WC Chamber of Commerce**

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?

Robust Infrastructure and Ecosystem
We met the goal of expanding the 1:1 device program to grades K through 12. The process was completed in 2020. Moving forward, we created a district-wide device rotation plan with the first purchase starting in April 2022. We are 90% complete in the installation of touch displays in all classrooms across the district.

Data Security, Safety and Privacy
We completed the implementation of the new KDE password policy and have now cycled through a round of password updates. We have also conducted a review of our internet filtering policies and have made adjustments to ensure the students access appropriate educational content.

Partnerships
We have expanded the number of universities offering dual-credit courses for our students, increasing the fields of study students may pursue.

Digital Curriculum, Instruction & Assessment
Due to the implementation of our K-12 1:1 device program, even pre-pandemic, we were able to meet the remote instructional needs of our students by providing home access. This allowed teachers opportunities for direct instruction and NTI instruction.

Use of Space and Time
We have expanded common area wireless access in our high school gym, middle school cafeteria, and one elementary cafeteria. This has allowed assessment, professional development, and instruction to take place in larger learning environments.

Goals that were not met or didn't have the expected outcomes?
We continue to expand our utilization of a district wide LMS (Schoology). The middle school and high school are using it effectively, but we need to increase implementation at the elementary level.

Areas of improvement?
We are currently reviewing a standardized digital platform for parent communication to mainstream two-way communication between schools and families, teachers and families, and staff and families.

Areas/goals that are no longer relevant?
Based on restructuring of the Best Practice Academy and the Impact Survey results, professional development will be driven by teacher choice, therefore, the previous goal of providing a district driven digital professional development is no longer relevant.

Needs that emerged after evaluation of the previous plan?
After reviewing our infrastructure, it is apparent that we need a unified platform providing us visibility into our wired and wireless networks to identify potential threats from internal and external sources. Continue to implement the new KDE Academic Standards for Computer Science K-12.

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?

Input on the goals and strategies are provided through a series of meetings held during the school year with teachers, principals, district admins, tech department employees, students and parents. Examples of the meetings are weekly Tech Cabinet, District Cabinet, monthly District Admin, monthly School Tech Meetings (includes Principals, Asst Principal(s), STC, tech staff and CIO), and CDIP meetings. The district CIO attends all of these meetings and is provided the opportunity to ask for input on the tech plan.

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

The most critical activity is the implementation of the new district-wide 1:1 student device rotation for grades kindergarten through 12. We became 1:1 K-12 with student devices in 2020 but now our focus shifts to implementing the device replacement plan for the district. The plan is for the district to purchase new devices for grades 3, 7, and 10 and for the devices to be utilized by the same student for at least three academic years. Utilizing digital tools for instruction is now a major part of delivering content, assessing student knowledge, and providing a creative platform for projects.

Another major activity we look to implement is finding a unified network platform allowing expanded visibility of our wired and wireless services. Our goal is to increase awareness and protection from potential internal and external cyber threats. This will allow us to provide more access to our network for those needing it while securing the network from potential widespread vulnerabilities.

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 utilized the Speak Up survey in years past but haven't done so over the last two school years. This year we are utilizing four questions from the Quality of School Climate and Safety (QSCS) survey displayed on the Kentucky School Report Card website. Students in grade 3-8, as well as, in high school completed the survey. We had 796 elementary level, 899 middle school level, and 624 high school level student responses. The chart below indicates our results and an analysis of our findings.

If you have a method to collect student voices for this purpose, reference specific data points from the collection that were useful in developing strategies for this new plan.

The data below indicates that the district made the right transition years ago in moving to a device 1:1 program first at the HS level followed by the MS and soon after at the elementaries. Question one shows that students are comfortable using their Chromebooks daily whether the instruction is in-person or delivered while they are remote and question two shows that teachers communicated with students daily during remote instruction using video conferencing/device tools. Questions 3 and 4 indicate that growth is still needed in the areas of teachers recording instruction and delivering it to the students. The research shows that instruction delivered in-person is more effective for most students than digital remote instruction. This leads to the conclusion that further teacher training on effective digital instructional practices in their classrooms and for remote instruction is needed.

WCPS State Assessment Survey Data						
	Elementary Findings		Middle School Findings		High School Findings	
Questions	Agree	Disagree	Agree	Disagree	Agree	Disagree
1. It was easy to use my Chromebook to do schoolwork while the building was closed due to Covid-19	91.2%	8.8%	63.6%	36.4%	71.5%	28.5%
2. During the Covid-19 in-person shutdown, my teacher taught lessons daily using Google Meet.	96.4%	3.6%	93.2%	6.9%	74.5%	25.5%
3. During the Covid-19 in-person shutdown, I watched a video recording from my teacher almost every day.	66.6%	33.4%	53.7%	46.4%	57.7%	42.4%
4. I feel good about what I learned during NTI.	86.6%	13.5%	53.1%	47.0%	38.5%	61.5%

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 E-Rate, 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)
AA2 AA3	Delivery of digital services to all staff and students by maintaining the following wired services: A robust fiber WAN providing 10 Gb non-shared direct connections to each building from the Central Office. Providing at least 1 Gb non-shared direct connections to staff and student wired devices and wireless access points in each building.	CIO, Network Supervisor, WAN Vendor (MetroNet), LAN Vendor Extreme Networks	Operational and is under contract until June 30th, 2024. LAN Network equipment replacement rotation is annual utilizing E-Rate funding.	E-Rate KETS General Fund	$160,000	WAN network monitoring reports verifying uptime. Configuration and validation of all wired network switching equipment, and wired network reports showing speed of each connection, with periodic connection testing to validate the quality of the network connectivity and end-user experience.
AA2 AA3	Delivery of digital services to all staff and students by maintaining the following wireless services: robust fully-dense wireless coverage in each building consisting of wireless access points in each classroom capable of 30-40 wireless clients, plus sufficient wireless coverage in common spaces to provide each building with a seamless wireless experience.	CIO, Network Supervisor, LAN Vendor Extreme Networks	LAN Network has been in place for many years but requires new equipment annually purchased on a rotation plan to meet the continuous upgrade needs.	E-Rate KETS	$80,000	Configuration and validation of wireless network controllers and access points. Wireless network monitoring reports verifying connectivity of all access points and clients. Periodic wireless surveys to validate the quality of the signal, network connectivity, and end-user experience. Feedback is also provided from school staff through the school tech and technology meetings.
AA2 AI-1	Maintain our robust 1:1 implementation of instructional devices in all classrooms K-12. Implement the district-wide student device rotation plan. Staff and lab computers will be replaced at	CIO, School Principals, District Program Leads	Rotation occurs every year. The 1:1 program purchases three grade levels each year with schools purchasing 2nd	Board 1:1 Budget, 1:1 Fees Budget, KETS, and School Budgets (usually Title 1 and Section 6).	$350,000	Purchase Orders, Monthly School Tech Meetings, Asset Inventory and Management, Rotation Plan, and observations.

	a rate of 20% district-wide per year.		grade devices every 4th year.			
AA2	Continue the installation of interactive touch displays to replace the remaining projectors and smart boards.	CIO, School Principals	5 of 7 schools are complete.	KETS, and School Budgets (usually PTO and Section 6)	$60,000	Purchase orders, monthly school tech meetings, asset inventory and management, and observations.
AA2	Continue instructional and staff tech support through maintaining our student help desks at the HS and MS. Teachers have access to digital coaches at both elementary and secondary levels.	CIO, School Technicians, Network Supervisor, and Digital Coaches	Operational now.	KETS, General Fund, Technology Budget	$250,000 Staff Cost	Tech tickets review. Review of PD offerings and daily coaching sessions.
AA2	Upgrade and enhance our communication systems which include the premise based phones, the parent communication cloud service, Firstnet mobile service, and the utilization of social media.	CIO, CFO, Network Supervisor, Communications Officer	Phone system is being upgraded now (completion June 2022) with the rest currently operational.	General Fund, Technology Budget, Communication Officer Budget	$150,000	Increased parent involvement by utilizing various means of communication.
AA3 AA4	Continue to provide AT&T Mi-Fi devices to qualified students without home internet availability to ensure equitable access to digital learning and communication even while away from school.	CIO, Family Services, Network Supervisor	Operational now.	General Fund	$20,000	Monitor device usage; feedback from families and family services.
AA4	District facilitation of purchases of online programs to work toward consistency and access among schools. Use of Clever for rostering and single sign-on. Standardizing on Schoology as the district LMS.	CIO, CAO, Digital Coaches, Curriculum Leads, Principals	Operational now but continued review of software utilization and effectiveness.	KETS, C & I Budgets, School Budgets	$150,000	Data monitoring, teacher feedback, and assessing effectiveness in the alignment to curriculum goals.

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 educating 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 districts 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)
AA1	Continue enforcing strong password policies as recommended by KDE. Promptly responding to security alerts from various systems and periodically assessing adjustments needed in our systems.	CIO, Network Supervisor, Principals	Operational now.	KETS, 1:1 Fees Budget	$20,000	Reviewing security alerts from Google and User Monitored Systems.
AA1 AI1	Continue staff awareness training on the proper handling and use of digital data. Purchase Cyber Liability and Privacy insurance policy.	CIO, IC Coordinator, IC Clerks , CFO	Operational Now. Annual training to staff. Insurance Policy is current.	General Fund	$7,500	Continued review of staff questions regarding email phishing attempts. CIO trains staff during their back to school meetings.
AA2	Periodic review of Acceptable Use Policies for students and staff.	CIO, Network Supervisor, Tech Staff	Operational Now. Reviewed annually.	NA	NA	Review the AUP annually for necessary revisions.
AA2	Continuous review and updating of internet filtering systems (Lightspeed) to ensure internet use is educational in nature and appropriate for students.	CIO, Network Supervisor	Operational Now.	KDE	$0	Review of Lightspeed reports and communication with Lightspeed support.
AA2	Implement a platform to increase visibility of the wired and wireless network to help identify potential cyber threats from internal and external sources.	CIO, Network Supervisor	By June 2023 have a solution in place.	KETS	$4,000	Monitoring securing platform data.

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)*

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)
AA2	Implement district-wide student device rotation plan.	CIO, Principals, Tech Staff	Operational Now.	KETS, Board 1:1 Budget, School Budgets	$350,000	All student chromebook devices are replaced every 4th or 5th year.
AA2	E-Rate funding for rotational replacement of wireless access points, core network equipment, and network switches for all buildings.	CIO, Network Supervisor, and Tech Staff	Operational Now	KETS	$40,000	APs and switches are replaced in each building every 5 years.
AA1	Facilitate the renewal of Munis and Infinite Campus.	CIO, CFO	Operational Now	General Fund	$60,000	KDE standardized the utilization of the platforms across the state.
AI-1	Continue the utilization of one IC Clerk per school building, one technician to run the HS and MS student help desk, and four technicians assigned to the school buildings.	CIO, IC Coordinator, IC Clerks, and School Techs	Operational Now	General Fund and KETS	$400,000 in staff cost	The separation of duties has allowed our data into systems to be accurate and all systems to run smoothly for the district. We will continue to review to ensure this data quality continues.
AI-2	Continue to leverage the RFP process to lower the copier lease contract and click charge costs for maintenance.	CIO, Superintendent, CFO	Operational Now	General Fund, School Budgets, Department Budgets	$115,000	Review monthly PaperCut reports to determine next steps for the utilization of copiers.
AI-3	Maintain the use of a district wide LMS service (Schoology) so that costs can be shared and schools can leverage online assessments and assignments for in-person or remote instruction.	CIO, CAO, Principals	Operational Now	C & I Budgets, KETS	$40,000	Review teacher utilization of Schoology for instruction and assessment purposes.

AI-4	Maintain the current asset/tech ticket program (One to One Plus) to streamline inventory and repair processes.	CIO, Tech Staff	Operational Now	KETS and Tech Budget	$5,300	Monitor asset and tech ticket 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)

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)*

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	Maintain a parent call system, social media, and district and school websites to facilitate communications with our families.	CIO, Communications Officer, Principals	Operational Now	General Fund	$22,000	Review feedback from the public on social media, call system reporting, and website surveys.
AA-1	The district utilizes a district liaison and the school level Family Resource Centers to actively seek families needing support.	DPP, FRYSC Staff, Superintendent	Operational Now	General Fund, FYRSC Grant	$150,000	Review communication logs and the ongoing communication with families.
AA-2	Continue to utilize family responses from the IC Online Registration survey to determine home technology instructional needs. Also, administrators utilize ELEOT walkthrough data in scoring the digital instructional needs of their buildings.	CIO, CAO, DAC, Principals	Operational Now	C & I Budgets	$8,500	Data review followed by an action plan set by district administrators.
AA-3	Continue to partner with numerous colleges and universities for dual-enrollment opportunities in various fields. Students gain high school and college credit.	CAO, Superintendent, HS Principal, HS Counselors	Operational Now	General Fund	$2,000	The high school and district admins review the number of students in dual-enrollment courses and how successful the students were in each course.
AA-3	Continue the district partnership with multiple technical schools in Fayette County.	CAO, HS Principal, HS Counselors	Operational Now	NA	$80,000	The high school principals review the students enrolled in tech school courses and analyze the students success.

AI-1	Continue the partnership with multiple colleges and universities for student teachers.	CAO, CIO, Principals, Mentor Teachers	Operational Now	NA	NA	Review the number of student teachers hosted and the quality of teachers coming from the different college programs.
AI-2	Continue school level STLP Programs for students to create digital projects in order to compete in Regional and State showcases.	CIO, Digital Coaches, and STCs	Operational Now	NA	NA	Review the number of student digital projects for regional and state competition. Review project quantity and quality.

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 instructional 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 and 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-1 AA-3	Implement the KY Academic Standards for Computer Science.	DLCs, CAO Principal, Teachers	Operational Now	NA	NA	Review mastery data of the standards.
AA-2	Provide opportunities for student involvement in various programs such as STLP, Engineering, Robotics, and eSports.	CIO, CAO, DLCs, STLP Coordinators , SIS, and eSports coach.	Operational Now	General Fund, C & I, School Budgets	Budget Varies	Review the quality and quantity of student projects and the number of participants.
AA-4 AI-3	Continue teacher and school level utilization of online assessments within district approved platforms.	CIO, CAO, Digital Coaches Principals	Operational Now	C & I, KETS	$68,000	Review reporting on the quantity and quality of online assessments utilized during an academic year.
AA-5	Continue our equitable and robust 1:1 program which provides device access to all students in grades K-12.	CIO, Network Supervisor, Principals	Operational Now	KETS, School Budgets	$370,000	Monitor student use and access to educational technology.
AI-1	Utilize school tech meetings and the district level admin meetings to determine which content software to maintain and support.	CIO, CAO, DAC, Principals, Curriculum Coaches	Operational Now	School Budget, C & I, and KETS	$0	Monitor student growth reports built into the various software platforms along with other progress monitoring data.
AI-2	Continue to increase the utilization of the MOUS Certification program to certify student competency with Microsoft Office Suite. Increase participation in programming opportunities.	CIO, HS Principal, Business Teachers	Operational Now	KDE	$0	Monitor student certification reports built into the CertiPort and programming systems.

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)
AA-1	Continue monthly school tech meetings for planning purchases, determining the level of digital implementation, and support digital projects.	CIO, Principals, STC, Tech Staff	On going	Depends on the project.	Depends on what decisions are agreed upon.	Review the data available for the different projects we are implementing.
AA-1	Implement substitute teacher training focused on digital instructional resources and securing digital accounts.	CIO, DPP, Digital Coaches	Operational Now	NA - No cost.	NA	Monitoring of teacher and substitute accounts.
AI-1	Utilize data from Impact Survey to determine digital instructional needs teachers indicate for their Professional Development.	CAO, CIO, Principals	Operational Now	NA	NA	Review the Impact Survey results to see what teachers see as areas of professional growth for them individually and for the different buildings.

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	Continue the implementation of the Schoology LMS across the district for use in delivering virtual instruction.	CAO, CIO, Digital Coaches, Principals	Operational Now	C & I Budgets, KETS, Tech Budget	$38,000	Review the level of implementation and effectiveness through Schoology reports and ELEOT walk through data.
AA1	Continue the implementation of the Edgenuity Platform to offer a blended learning opportunity, as well as credit recovery and initial credit courses for our alternative school environments.	CAO, CIO, Network Supervisor	Operational Now	C & I Budgets	$28,000	Review the mastery of learning leading to increased graduation rates for students in WAVE, SWS, and the in-person alternative school.
AI1	Expand wireless access to school common areas such hallways, gyms, and cafeterias. Continue the home MiFi program.	CIO, Network Supervisor	Operational Now	Board Budget	$20,000	Monitor common area access and usage, as well as, assess the student home access needs.