FLOYD COUNTY BOARD OF EDUCATION
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Steve Slone, Member - District 5

Consent Agenda Item (Action Item): Approve the Technology Plan FY 2024-2026

Applicable State or Regulations: BOE Policy 01.11 General Powers and Duties of the Board.

Fiscal/Budgetary Impact: Technology Plan has items in the budget for Districts/KETS budget.

History/Background: As part of the KETS Master Plan districts are required to submit their Technology Plan to be used as a lens to analyze current trends, initiatives, needs, and goals of the district. We are entering the 10th year of the 1:1 implementation and completing a districtwide network infrastructure refresh using Federal ERATE funding.

Recommended Action: Approve as presented

Contact Person(s): Serena Anderson, CIO

_N/A_
Principal

Serena Anderson
Director

Anna W. Shepherd
Superintendent

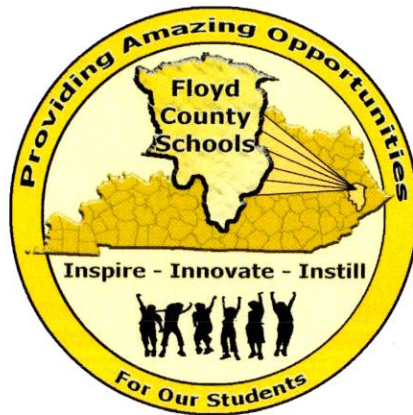**Date:** 4/10/2023

Kentucky Education Technology System
DISTRICT TECHNOLOGY PLAN

DISTRICT NAME Floyd County

LOCATION Eastern, KY 41622

PLAN YEAR(S) 2024-2026

www.floyd.kyschools.us

Table of Contents

Planning Team

District Staff [Recommended to include CIO/DTC, TIS/DLC, technician, finance officer, superintendent, academic officer, DAC, etc.]	
Anna Shepherd, Superintendent	Serena Anderson, Chief Information Officer
Randy Smith, Lead Network Technician	Rachel Crider, Chief Elementary School Instructional Officer
Wesley Turner, District Technology Coordinator	Angela Duncan, Chief Human Resources Officer
Josh Paige, Network Technician	Cinda Francis, Chief Special Education Officer
Jason King, Digital Security Specialist	
Rob Moore, Network Technician	
Kim Grubb, Early Childhood Director	

Building Staff [Recommended to include principals, LMS, STC, counselors, teachers, teaching assistants, etc.]	
James Allen, SSTIC Adams Middle School	Sarah Joseph, SSTIC Betsy Layne Elementary
Sandy Mims, SSTIC Betsy Layne High School	Kenneth Bradley, SSTIC Prestonsburg High School
Cassandra Fulks, SSTIC Floyd County High School	Kaleb Rodebaugh, SSTIC Allen Elementary
Kanessa Ritchie, SSTIC Duff-Allen Central Elementary	Deborah Bentley, SSTIC Prestonsburg Elementary
Tiffany Hall, SSTIC Stumbo Elementary	Walter Ord/Justin Holbrook, SSTICs South Floyd Elementary
Leah Turner, SSTIC Floyd County Virtual Academy	

Additional District Contributors [Recommended to include board members, SBDM members, program directors, etc.]	
Linda Gearheart, Board Chair	Chandra Varia
William "Junior" Newsome	Steve Slone
Keith Smallwood	

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

Other [parents/community members, business and nonprofit leaders, etc.]	
Charles Michael Bell, Digital Learning Coach	Kevin Slone, Gifted and Talented Coordinator
Bobby Akers, Digital Learning Coach	

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?

Goals for Floyd County Schools are ongoing. The district has continued to progress towards reaching its vision and goal in the following:
  A. *Continuation of Technology Integration into FCS 1:1 District Plan.*
  B. *Equal and equitable access to technology for students and teachers through innovative new devices and student Chromebooks..*
  C. *We continue to maintain current equipment and add additional devices to enhance learning opportunities.*

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

ISAFE Curriculum didn't have the expected outcome outlined for this goal. With the Digital Driver's License program, because every student and teacher is required to complete the modules in order to receive the device, students have more incentive to take the curriculum seriously. We really need to improve in this area to fully implement the utilization of all of the software packages purchased by the district.

Areas of improvement?

The district will continue to focus on increasing awareness of Internet Safety, STEAM implementation, support for all schools including The Floyd County School of Innovation, Floyd County School Early College Program, and Renaissance Learning Center as needed, and technology standards implementation using the digital portfolio, and technology literacy. Students will receive instruction on internet safety that addresses CIPA mandates via ISAFE Curriculum on a scheduled basis. The STEAM Lending Library and once rebuilt the district STEM Bus will continue to expose all students to the Computer Science standards and Kentucky Academic Technology Standards using STEAM activities. Teachers will follow the K-12 Technology curriculum. The curriculum is divided into grade levels and the expected skills to be taught at each level.

Areas/goals that are no longer relevant?
1:1 initiative

Needs that emerged after evaluation of the previous plan?

The district will begin to return to a 1:1 strategy for grades 5th thru 12th Grade. With the current climate the need for a complete 1:1 across the district was determined to be no longer needed. Primary grades will continue to have digital tools made available not only in the classroom but at home when the need shall arise. The district has also created a STEAM Lending Library (which along with our STEM Bus when we are able to replace it) will help increase equity in STEM supplies amongst all of our students in Floyd County.

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?

Our team believes it should be the intent of the Floyd County School District to provide world-class network access in order to maximize student achievement by making the classroom a place where students can learn anytime, anywhere, at all levels with no boundaries. Data around program usage have been analyzed during the school year. Stakeholder surveys were conducted. Student academic data were analyzed. These results led us to the current goals for this technology plan.

Survey all stakeholders, conduct meetings

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 district has continued to progress toward reaching the vision and goals in the following:
1. Continuation and return of Technology Integration Project into FCS 1:1, Grades 5th-12th, District Plan. Continue to provide backpacks for all students 5-12 grade
2. We continue to maintain current equipment and add additional devices to enhance learning opportunities.
3. Installation and replacement of network infrastructure using ERATE funding, wired and wireless.
4. Digital Learning Coaches will be utilized for STEAM implementation and technology integration across the district.
5. All teachers have equal access to Steele Reece Lending Library for field trips or equipment checkout maintained by Digital Learning Coaches.

Implementation of FCS 1:1 District Tech Plan will increase opportunities for web-based resources such as Google, Progress Learning, Lexia, Reading Plus, Apex, Study Island, etc. This plan has given our district equal and equitable access with an increased opportunity to provide teachers the tools to motivational practices that will increase student engagement, enhance student participation, foster 21st Century Information Skills, and improve academic achievement.

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, a survey created by you or the district, other)?

Floyd County Schools uses BrightBytes to survey students, teachers, and administrators. This program i*ntegrates* purposeful data across ed-tech systems, is used to *analyze* results against research-based frameworks, and delivers purposeful information that drives instruction.

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.

Data from the BrightBytes survey shows the district's largest needs in elementary, middle, and high school are teachers' using technology to keep students focused, developing opportunities for critical thinking, and using blended learning in the classroom setting.

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

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

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

Robust Infrastructure & Ecosystem
Future Ready Gear

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

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

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

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

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

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

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

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Provides a high-speed (10GB) WAN Fiber connection to connect all district entities to district NOC.	CIO Network Team	On-Going	ERATE General Fund	$143,640 $15,960	Bandwidth data shows high utilization but remains comfortable under total capacity.
AA-2, AA-3	Continue to Provide high-speed dense wireless across all entities and all classrooms. Provide MIBs system for Network Access Control and management of onboarding processes.	Network Team	On-going	ERATE KETS General Fund	$39,004.80 $6,883.20	A. WLAN management system data shows maximized uptime and utilization across district entities. B. Installation of the new wireless management system and adaptive captive portal.
AA-2	Continue to maintain the IP Office phone system utilizing both VOIP and Analog phones.	Network Team	On-Going	KETS General Fund	$15,000	Consistent and reliable end-user services
AA-2	A. Equitable distribution of grants. B. Skilled Technical Staff and School Level Support	CIO, Network Team, Instructional Leaders CIO, Instructional Leaders, Network Team	On-Going On-Going	KETS General Fund Title Gear-Up KETS General Fund ERATE		A. District will continue to utilize technology grant opportunities to continue to fund essential equipment, support, and services in order to maintain effective and updated access. B. District will provide a Skilled Technical Network Team in order to Support 1:1/Tech Initiative needs district-wide. The district will provide training and certification updates for the Network Team.

AA-2	A. Continued maintenance and support
	  a. Secure Maintenance contracts
	  b. Secure Funding Sources
	  c. Provide for Network integrity
	  d. Prepare Emergency Data Recovery
	  e. Assist School Level Support
	  f. Training and Certification updates
		CIO, Network Team, Instructional Leaders	On-Going	KETS ERATE General Fund		A. District-Wide Technology-related services will be the most current and up-to-date. Costs of upgrading and implementing new 1:1 devices and software programs will be shared through grant opportunities. Network integrity will ensure reliable and safe access. Emergency recovery of data provisions will increase the use and confidence of data. Assisting school-level support will result in the full benefit of instructional resources. Continued training and updated certifications for Network Team.

						Technicians will assure district-level hardware and services for schools.
AA-2	Implemented One2One Manager for device inventory and tracking.	CIO Network Team	Ongoing	KETS	5,600	Robust inventory and tracking of student devices. Includes student device assignment, tracking of repairs, and district location.
AA-3	Provide Microsoft A3 licensing to all faculty, staff, and students.	CIO Network Team	On-Going	KETS General Fund	$38,137.61	With the benefits of A3 licensing all faculty, staff, and students will have the ability to access and install the latest versions of O365, Office Pro, and Windows.
AI-1	Strategy to return to previous 1:1 District Plan for grade levels 5-12 and assist with admin & teacher training with technology integration.	CIO, Network Team, Instructional Leaders	On-Going	KETS General Fund Title	$322,632.00	-The district will support 1:1 Program school-wide through available funds

-The continued use of devices in schools will provide students, teachers, staff, the opportunities for video conferencing, anytime-anywhere learning, 21st-century skills, project-based learning, blended learning and increased communication between the teacher, student, and peers |
AI-1	Strategy to continue providing backpacks for grade levels 5-12 to protect district investment of 1:1 devices.	CIO, Network Team, Instructional Leaders	Ongoing	KETS General Fund Title	42,250.00	-District will provide backpacks for all 1:1 students to protect the device as students travel.
AA-1	Using ERATE Category 2 funds plan to replace all network switches and routers in the upcoming fiscal year.	CIO Network Team	2022-2023	ERATE KETS General Fund	$680,889.47 $120,156.96	-Using ERATE funding, the district will replace all network hardware that is reaching end of life. Pending equipment delivery.

Data Security, Safety & Privacy
Future Ready Gear

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

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

AA-1: Continue to support districts in securely accessing and managing key student and administrative data sets through improved user experiences, refined data collection processes, continuously updated policies and practices regarding student data security, and timely access to data sets that improve the depth and efficiency of student learning *(Infinite Campus, Early Warning, MUNIS, eTranscripts, School Report Card)*

AA-2: Continue to identify key aspects of data security regularly to build upon the current systems, procedures and policies to remain a leader in mitigating emerging threats *(acceptable use policies, firewall updates, data privacy studies, digital citizenship, content filtering)*

AA-3: Continue to utilize adoption metrics or trending data for planning purposes that allow EdTech leaders to identify what's working and what's not working based upon data quality and evaluate current systems and solutions to determine effectiveness and future direction *(annual auditors, TELL survey, Technology Activity Report, Digital Readiness, Data Quality Study, Data Quality Campaign, BrightBytes, SpeakUp)*

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

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

AI-1: Educate and support districts in the importance of personnel with duties related to student/staff data quality, security and privacy as well as bringing data privacy to the "radar screen" of teachers/staff *(The People Side of EdTech)*

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

DISTRICT TECHNOLOGY PLAN

Floyd County Public Schools

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-2	Students will receive instruction on Internet Safety that addresses CIPA mandates via ISAFE Curriculum.	Safe Schools Coordinator Instructional Team All School Principals	Annually	Title	$4,200.00 annually	To promote cyber security awareness and digital literacy education.
AA-2	All students will be trained on the Digital Driver's License (DDL).	CIO, Network Team, Instructional Leaders DLCs	Annually	N\A	$0	Reports of completing the training and obtaining the credentials will be evaluated.
AI-1	District Central Office staff are educated and trained on the importance of student data quality, security, and privacy.	CIO and/or Tech team	Annually	N\A	$0	Training takes place virtually with the link located on the Technology webpage. Certificates are sent when completed.

Equity | Achievement | Integrity | Quality | Opportunity | Access

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

DISTRICT TECHNOLOGY PLAN

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Continue 1:1 Technology Integration	CIO Tech Team DLCs	On-Going	KETS General Fund Title ESSER	$322,632.00	Students will have greater access to empower than to have any time, anywhere, always-on, differentiated teaching and learning.
AA-1	Provide Computer Science Enrichment/STEAM activities to schools through STEM Bus, Digital Learning Coaches, Steele Reece Lending Library, School of Innovation Implementation.	CIO Tech Team Gear Up CCNs and AIs DLCs SSTICs	On-Going	Title I ESSER General Fund Gear Up Steele Reece Grant		Students will become proficient in STEAM activities and more students focusing on Computer Science in the real world.
AA-1, AA-3	Provide high-speed (10GB) WAN Fiber connection to connect all district entities to district NOC.	CIO Network Team	On-Going	ERATE General Fund	$143,640 $15,960	Bandwidth data shows high utilization but remains comfortable under total capacity.
AA-1, AA-3	Continue to Provide high-speed dense wireless across all entities and all classrooms. Provide MIBs system for Network Access Control and management of onboarding processes.	Network Team	On-Going	ERATE KETS General Fund	$39,004.80 $6,883.20	WLAN management system data shows maximized uptime and utilization across district entities and provides managed services for Network Access Control.
AA-1	Continue to maintain the IP Office phone system utilizing both VOIP and Analog phones.	Network Team	On-Going	KETS General Fund	$15,000	Consistent and reliable end-user services
AA-1	Provide Microsoft A3 licensing to all faculty, staff, and students.	CIO Network Team	On-Going	KETS General Fund	$38,137.61	With the benefits of A3 licensing all faculty, staff, and students will have the ability to access and install the latest versions of O365, Office Pro, and Windows.
AA-1, AA-2	Maintain One2One Manager for device inventory and tracking.	CIO Network Team	Ongoing	KETS	5,600	Robust inventory and tracking of student devices. Includes student device assignment, tracking of repairs, and district location.

AA-3	Using ERATE Category 2 funds plan to replace all network switches and routers in the upcoming fiscal year.	CIO Network Team	Ongoing	ERATE KETS General Fund	$680,889.47 $120,156.96	-Using ERATE funding, the district will replace all network hardware that is reaching the end of life. Pending ERATE 471 approval.
AA-1	Continue providing backpacks for grade levels 5-12 to protect district investment of 1:1 devices.	CIO, Network Team, Instructional Leaders	Ongoing	KETS General Fund Title	$42,250.00	-The district will provide backpacks for all 1:1 students to protect the device as students travel.

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 the postsecondary pre-service teacher and principal programs to provide support in candidate preparation

📍 **AI-2**: Encourage post-secondary 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-2	Utilize BrightBytes Survey to students, and staff to get back feedback on perceptions and needs for technology in schools.	CIO DLCs Instructional Team	January of each year	None	$0	Results will be available to assist in future planning.
AA-1	Continue to partner with Gear Up to provide Math, Language Arts, and STEAM support/enrichment to our schools and programs (RLC, School of Innovation, Early College Academy)	CIO Gear Up Staff DLCs	September 2018-2025	Gear Up		Evidence of student participation in STEAM activities, increase Math and L. Arts reinforcement opportunities.
AA-3	Continue to provide the electronic student information system, Infinite Campus to allow transparent and timely communication to parents.	CIO DPP Tech Team	On-Going	General Fund	$22,000	Family and student communication will increase with the parents. Parents will have access to current information housed in the Infinite Campus program.
AA-1	Continue to purchase School Cast Alert System to keep families informed of school events and closures.	CIO Tech Team	On-Going	General	$13,000	Family and student participation in school events will increase.
AA-1	Continue and grow upon the partnership with Big Sandy Community and Technical,	CIO High School Principals	on-Going	General		Students have dual-credit opportunities and more students continue their education at BSCTC after graduation.

Digital Curriculum, Instruction & Assessment
Future Ready Gear

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

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

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

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

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

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

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

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

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

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

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Utilize District Web-Based Information Services to increase interest, and engagement and increase information literacy.	Instructional Team School Principals School Designee DLCs	On-going	Continuation of earlier investment	$11,200 annually	Principal Observation Lesson Review Review of District and School Websites. Walkthroughs
AA-5	Teachers will utilize Interactive Tools and devices to enhance instruction in all classrooms.	Instructional Team School Principals School Designee, DLCs	On-going	Continuation of earlier investment		Principal Observation Lesson Review Walkthroughs
AA-4, AA-5	Technology Integration Students, Teachers, and Parents will have access to Web Based software (Lexia, Reading Plus, Google Classroom, etc..)	SSTIC Instructional Team School Principals School Designee DLCs	On-going	Title I General		Usage Data Student Achievement Walkthroughs Data
AA-4, AA-5	Schools will utilize Google Classroom for our LMS for in-class and virtual learning	Instructional Team School Principals School Designee SSTIC's DLCs	On-Going	Continuation of earlier investment		District review and student credit data
AA-4	Students will receive instruction on Internet Safety that address CIPA mandates via ISAFE Curriculum	Safe Schools Coordinator Instructional Team All School Principals DLCs	On-going	Title VI Funding	$4,200.00 annually	Lesson Review and Assessment Report Tracking

AA-2, AI-2	Implementation of FC School of Innovation - CTE Pathways	CIO, FC School of Innovation Principal and Staff, DLC's	Starting August 2020 - On-going	Tech General Fund Title I ESSER		Enrollment and transition ready data will be monitored by CIO, Principal of FC School of Innovation, counselors at the three high schools.
AA-2	Strategy for Student Tech Teams as well as Dell Tech Crew	Network Team, SSTIC FCS select teachers	On-Going	N\A	N\A	School staff observations on student tech teamwork and technical achievements
AA-2	Student Technology Leadership for all Schools -Student Technology Leadership will provide students opportunities to showcase technology skills and experiences that may prepare them for the workforce and prepare them to help address the school's technology needs.	CIO School Principal School STLP Coordinator DLC's	On-Going	KETS General Fund	Schools provide $500 stipend per STLP coordinator	District led STLP "Open House", Regional and State STLP competitions
AA-4	Students will participate online in benchmark assessments throughout the year to monitor progress toward a specific goal.	CIO DAC Principals Teachers DLC's	On-Going	Title General Fund		Students will participate in benchmark assessments such as MAP, ACT like assessments, KOSSA, and other assessments to make mid-course corrections in response to new developments and opportunities as they arise.
AA-2	eSports programs for all high schools.	School Principal, eSport coaches, DLC	On-Going	Title		Students will participate in virtual 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) **AA** */Areas of Improvement (AI)* **AI**

AA **AA-1**: Continue building a culture of digital collaboration and connected digital relationships that allow administrators to support and encourage the use of digital tools by staff for professional learning.

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

DISTRICT TECHNOLOGY PLAN

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	District will use district-made surveys of all staff to determine staff professional development needs.	Instructional Team Principals DLC's	Annually	Title VI		Improved awareness of staff proficiency in technology and targeted Professional Development to enhance staff skills in instruction using technology.
AA-1	Staff will receive an annual survey on teacher/administrator technology proficiency to determine growth and set future professional development plans.	Instructional Team All School Principals DLC	Annually	Title Vi	$5,500	Analyze data from the survey and plan accordingly for the following school year.
AA-1	Microsoft, Google and Device Training for digital tools	Instructional Team CIO SSTIC's Tech Team DLC's	Annually	KETS General Fund Title Funds		Enhanced use of school-based knowledge of the capabilities of new technologies to enhance instruction
AA-1, A1-1	SSTIC at each school location.	Principals CIO Network Team	On-Going	General Fund KETS	Provide $3000/ Stipend per SSTIC Position	SSTIC's will serve to assist with all school-level technology-related activities or projects including, inventory of hardware and software, maintaining a school web page, purchasing procedures, user ids and password security, deliverance of technology notices to building staff, installation of programs, securing of AUP's, and preparation of work orders.
AA-1, A1-1	Strengthening SSTIC's Proficiency	CIO Instructional Leaders Network Team	On-Going	General Fund PD	PD Academy	Increased efficiency in turning in work orders, managing the devices, and daily upkeep of the school tech department
AA-1	Utilize Advanced Learning Partners (ALP) for PD on various topics for PD Academy. This year's focus is a formative and summative assessment, MTSS, blended learning, Engaging practices in a tech-rich environment.	Teachers Principals District Admin	Ongoing	This PD is provided by DELL using the purchases each year from the district.		Enhanced use of formative, summative assessment, effective implementation of MTSS strategies, and blended learning in the classroom.

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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) ᵃᵃ */Areas of Improvement (AI)* 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

DISTRICT TECHNOLOGY PLAN

Floyd County Public Schools

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, AI-1	Teachers will utilize online communication, collaboration and productivity platforms (Office 365,G-Suite) to communicate with, provide content to and collect assignments/products from students.	CIO, CAO, Principals, Teachers DLC's	On-Going	No additional funding necessary	o365- Part of A3 Microsoft licensing G-Suite- $0	Administration will observe improvements in classroom practices as many assignments move to an online environment. Student engagement levels will increase and personalized learning opportunities will become easily available.
AI-1	Purchase the APEX program for virtual courses to be used for credit recovery.	High School Counselors, Middle Schools, RLC Teachers/ Staff	On-Going	General Fund	$149,000 for 3 years	Students are enrolled in the courses and the graduation rate is increased.
AA-1	Continue the support of the Early College Academy on the campus of Big Sandy Community and Technical College	High School Counselors, Early College Teachers/Staff	On-Going	General Fund	$5,048.00	Students are enrolled in the courses and graduation rate is increased as well as students graduating with an Associates Degree.
AA-1	Implements technology Standards using the DLCs, STEM BUS to travel to schools, the STEM Lending Library for STEM projects/centers, and CoderZ to implement coding.	CIO, Tech Team, STEAM Team Teachers, Gear Up Staff, DLC's	On-Going	GEAR UP General Fund Title	$215,000	Students will receive opportunities to experience STEM projects/centers using the bus to travel from school to school, field trips to Lending Library or DLCs presenting in schools.
AA-1	PD Academy	FCS Teachers/Staff Guest presenters DLCs	Prior to the beginning of school each year	General Fund	$20,000	Teachers will attend an all-day event at a district high school traveling through various PD opportunities.

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