

Kentucky Education Technology System

DISTRICT TECHNOLOGY PLAN

DISTRICT NAME Bath County Schools

LOCATION Owingsville, KY

PLAN YEAR(S) 2023-2024

BATHCOUNTYSCHOOLS



Kentucky Department of
E D U C A T I O N

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Planning Team

District Staff [Recommended to include CIO/DTC, TIS/DLC, technician, finance officer, superintendent, academic officer, DAC, etc.]	
Emily Barber- CIO	Steven Evans- Superintendent
Jeremy Weaver- Network Admin	Brittany Combs- Finance Director
Keith Crouch- Network Admin	Todd Neace- Director of Continuous Improvement
Brad Holder- Computer Technician	Karen Hammons- Director of Instruction
	Michael Melton- Director of Pupil Personnel
Building Staff [Recommended to include principals, LMS, STC, counselors, teachers, teaching assistants, etc.]	
Lara Little- Principal	Misty Johnson- Principal
TJ Knox- Assistant Principal	Justin Smallwood- Assistant Principal
Sean Bailey- Principal	Sabrina Brandenburg- Principal
Tracy Vice- Assistant Principal	Jason Griffith- Assistant Principal
Lauren Colwell- Teacher	Amanda Ballman- Teacher
Jessica Haynes- Teacher	Lora Utterback- Teacher
John Gibson- Teacher	Kayla Crouch- Teacher
Chelsea Shields- Teacher	Shannon Hill- Teacher
Liz Watkins- Teacher	
Additional District Contributors [Recommended to include board members, SBDM members, program directors, etc.]	
BCHS Teachers	OES Teachers
BCMS Teachers	CES Teachers
Students [Recommended to include middle and/or high school students]	
Dalton Becraft- Senior IT Intern	Bryson Purvis- Senior IT Intern
Braden Akers- Senior IT Intern	Jordan Tuttle- Senior IT Intern
Colby Conn- Senior IT Intern	

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

Previous Year's Strategies Evaluation

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

What strategies from last year went well?

- Required Multi-factor authentication for all staff
- SSPR for all staff
- Switch upgrades and replacements across the district
- Purchasing webcams for desktops for elementary Clever Badges
- Revised Acceptable Use Policies for Staff and Students
- Created Chromebook Policy for Staff and Students
- Upgraded CTE lab with new all in one computers
- Renovations to IT storage building including new walls, shelves, siding, and electrical
- Creation of Senior internship program at high school with 7 senior interns in IT
- Planned for wifi upgrade across district and selected vendor
- Assisted DPP and Facilities team with infrastructure planning for district wide surveillance system including all buildings and Chenault through LAVEC
- Full implementation of DocuSign for workflow processes across district
- Creation of Tech/HR Workflow system to manage information from HR for creation of new staff emails, accounts, IC, etc.
- Implementation of Vector Software for staff evaluations.
- Continuation of MAP and CERT assessments.
- Electronic records management and storage through Talent Ed
- Implementation of SubFinder automated calling system
- Implementation of LANSchool for chromebook management system where teachers are able to see screens, view student history, block certain websites during specified times, and to help control what students are doing while on chromebooks.
- Munis upgrade and implementation of IC payment solutions in finance department
- Infinite Campus Parent Portal access continued at all schools
- Brightbytes Data Survey
- Infinite Campus, Campus Learning (Learning Management System) implementation
- One Call Messaging continued at all schools and district office
- Hiring of additional computer technician
- Revising job description for Network Administrators
- Professional development opportunities for teachers on digital platform
- Using Papercut to its full potential to monitor printing usage
- Replaced aged out technology such as chromebooks, document cameras, interactive panels, projectors, screens, and desktops.
- Continued use of educational software (Lexia, Moby, STAR, Reflex) across the district for instruction and progress monitoring..
- 1:1 chromebooks for students.
- Digital Learning Coaches in buildings to assist with technology coaching for staff.

- Recycling and surplus of aged out technology.
- Website upgrade through School Pointe to enhance ease of use for all stakeholders.
- Creation of video PD opportunities for faculty and staff regarding cybersecurity best practices, Infinite campus, digital citizenship, and technology opportunities.
- Continued use of remote learning platform and strategies for full time virtual academy.
- Using Infinite Campus payments to track fees for student technology.
- Continued use of Incident IQ: Password reset/ticketing/asset management system
- Continued Implementation of Light Speed Relay to filter internet usage for devices that students take home
- Continued use of student account provisioning with IC2AD (Charlie Box)
- Upgraded phone system with voicemail to email and 911 location notifications

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

- Completion of wifi upgrade- in progress
- Fax machines still in use- haven't upgraded to digital fax
- Wifi printers still on network and need to be removed
- Network installations by StepCG were problematic so we have ended our agreement with them.
- Full adoption of Incident IQ by staff
- Use of Incident IQ for chromebook inventory in buildings
- Full utilization of online registration for students through Infinite Campus

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

Strategies MET in 22-23 year:

- Incorporation of digital content to students through chromebooks.
- Lesson development that is responsive to home devices.
- Remote learning capabilities for students and teachers.
- Common learning management system across the district
- Required Multi-factor authentication for all staff
- SSPR for all staff
- Switch upgrades and replacements across the district
- Purchasing webcams for desktops for elementary Clever Badges
- Revised Acceptable Use Policies for Staff and Students
- Created Chromebook Policy for Staff and Students
- Upgraded CTE lab with new all in one computers
- Renovations to IT storage building including new walls, shelves, siding, and electrical
- Creation of Senior internship program at high school with 7 senior interns in IT
- Planned for wifi upgrade across district and selected vendor
- Assisted DPP and Facilities team with infrastructure planning for district wide surveillance system including all buildings and Chenault through LAVEC
- Full implementation of Docusign for workflow processes across district

- Creation of Tech/HR Workflow system to manage information from HR for creation of new staff emails, accounts, IC, etc.
- Implementation of Vector Software for staff evaluations.
- Continuation of MAP and CERT assessments.
- Electronic records management and storage through Talent Ed
- Implementation of SubFinder automated calling system
- Implementation of LANSchool for chromebook management system where teachers are able to see screens, view student history, block certain websites during specified times, and to help control what students are doing while on chromebooks.
- Munis upgrade and implementation of IC payment solutions in finance department
- Infinite Campus Parent Portal access continued at all schools
- Brightbytes Data Survey
- Infinite Campus, Campus Learning (Learning Management System) implementation
- One Call Messaging continued at all schools and district office
- Hiring of additional computer technician
- Revising job description for Network Administrators
- Professional development opportunities for teachers on digital platform
- Using Papercut to its full potential to monitor printing usage
- Replaced aged out technology such as chromebooks, document cameras, interactive panels, projectors, screens, and desktops.
- Continued use of educational software (Lexia, Moby, STAR, Reflex) across the district for instruction and progress monitoring..
- 1:1 chromebooks for students.
- Digital Learning Coaches in buildings to assist with technology coaching for staff.
- Website upgrade through School Pointe to enhance ease of use for all stakeholders.
- Creation of video PD opportunities for faculty and staff regarding cybersecurity best practices, Infinite campus, digital citizenship, and technology opportunities.
- Continued use of remote learning platform and strategies for full time virtual academy.
- Using Infinite Campus payments to track fees for student technology.
- Continued use of Incident IQ: Password reset/ticketing/asset management system
- Continued Implementation of Light Speed Relay to filter internet usage for devices that students take home
- Continued use of student account provisioning with IC2AD (Charlie Box)
- Upgraded phone system with voicemail to email and 911 location notifications

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

- Completion of wifi upgrade- we hadn't planned this due to lack of funding
- Full adoption of Incident IQ by staff- Staff not fully adopting procedures
- Use of Incident IQ for chromebook inventory in buildings- currently using spreadsheets

Upcoming Year's Strategies Preview

If this is the first year of a multi-year plan, this section acts more like an executive summary of the plan as a whole. If this is the second or third year of a multi-year plan then aim your discussion to any new strategies or adjustments you are planning for this year.

[See [Technology Planning section of KETS Master Plan](#) for more information]

How did you and the planning team decide on the strategies and/or adjustments for this plan?

A District Technology Team was created and meetings were set consisting of three phases.

Phase 1: Planning meeting with technology team to discuss each component of the plan.

Phase 2: A survey was sent to community members, stakeholders, teachers, parents, and building level administrators. The survey asked for input regarding last year's plan and what needs are for the 2022-2023 plan. Bright Bytes Survey was also administered to students and teachers and open for input from community members and stakeholders.

Phase 3: Technology team met to discuss findings from the survey and discuss plans for 2022-2023 District Technology Plan.

Phase 4: Technology team worked with CIO to draft 2022-2023 District Technology 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.

- Full wifi upgrade across the district
- Working with construction team on renovations in all buildings that will include any networking infrastructure and technology needs.
- Growth of CTE Engineering and IT programs to expand video/multimedia and technology opportunities for students
- Digital Learning Coaches in buildings to assist with technology coaching for staff.
- Implementation of robust program for Digital Learning Coaches and providing training through PD on how to help within their buildings.
- Digital Learning Coaches responsible for planning and providing PD for their buildings on ticketing, troubleshooting, etc.
- Require use of Incident IQ for ticketing system from all employees that need assistance.
- Online Registration through Infinite Campus for all students
- Incentives for teachers (stipends, classroom materials, attending leadership opportunities) through leadership achievements in technology including: Google Certifications, Coaching, Technology Programs, Participation in Regional and State tech competitions
- Required training for staff on Acceptable Use Policy
- Digital Storage of AUPs for staff and students
- Transitioning to Follett for library software

- Continued use of HR/IT workflow system giving HR the ability to share information on new hires for technology requirements
- Creation of standardized list of supported enterprise printers acceptable in the district and elimination of personal printer use in buildings
- System for tracking employees and staff leaving the district and obtaining any technology items, accounts, etc. before they are given their last paycheck.
- Elimination of duplicate devices for student use. Work towards a true 1:1 device policy with devices checked out to individual students.
- Elimination of personal printers in offices and printers not on supported list.
- Elimination of touch-screen student chromebooks as they age out. Will be replaced by non-touch screen chromebook devices.
- Migration to chrome based devices across the district unless there is a specific, justified need for Windows. Use of Flex OS on old hardware.
- Collaboration with DPP, Facilities, School Safety, in determining user access rights and determination of which agency will monitor school surveillance system.
- Collaboration with High School CTE program to support and provide experience opportunities for IT Internship through apprenticeship CTE course.
- Use of Follett or Incident IQ for school chromebook management and checkout

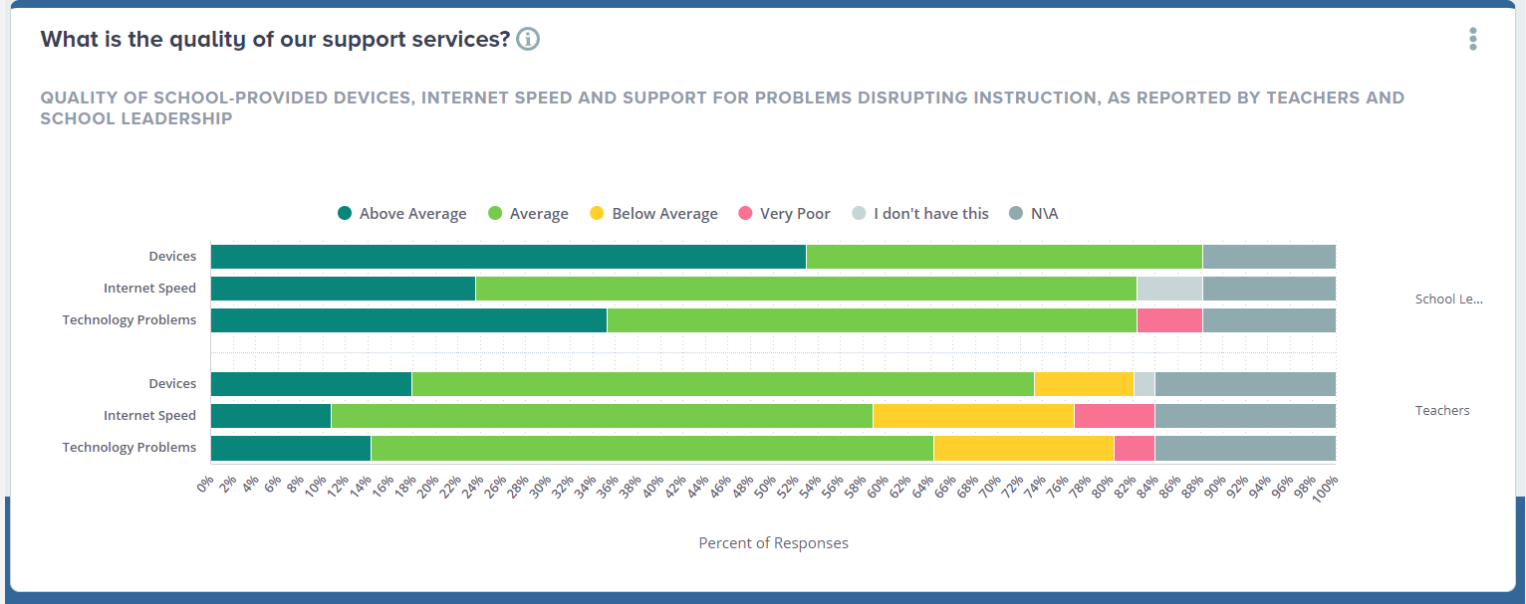
Student Voice

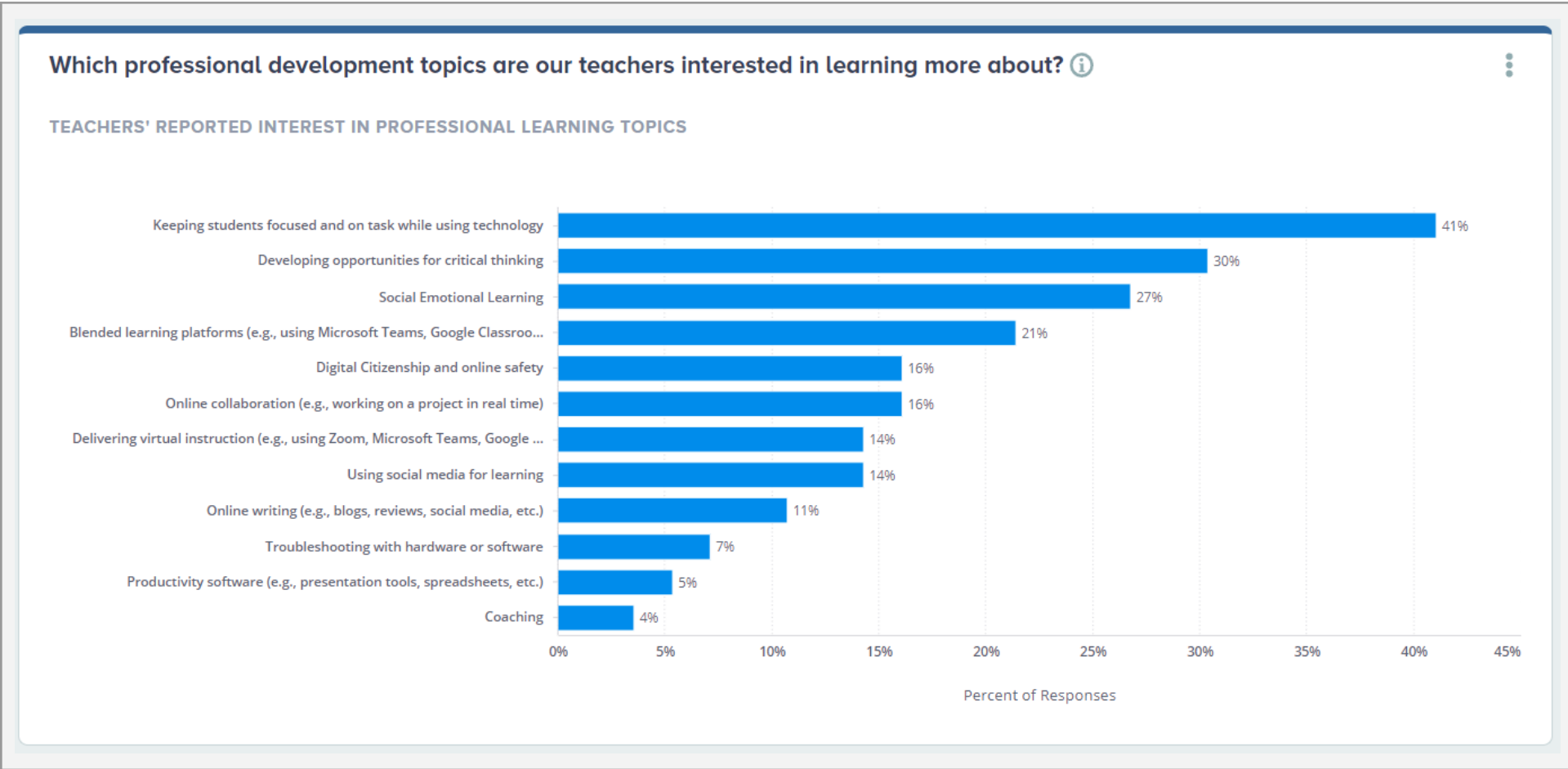
Personalized student learning allows students to develop deeper learning competencies including critical thinking, using knowledge and information to solve complex problems, collaboration, and communication. Capturing student input about their access to opportunities that build these competencies is key to effective technology planning. Please answer the questions in the space provided below.

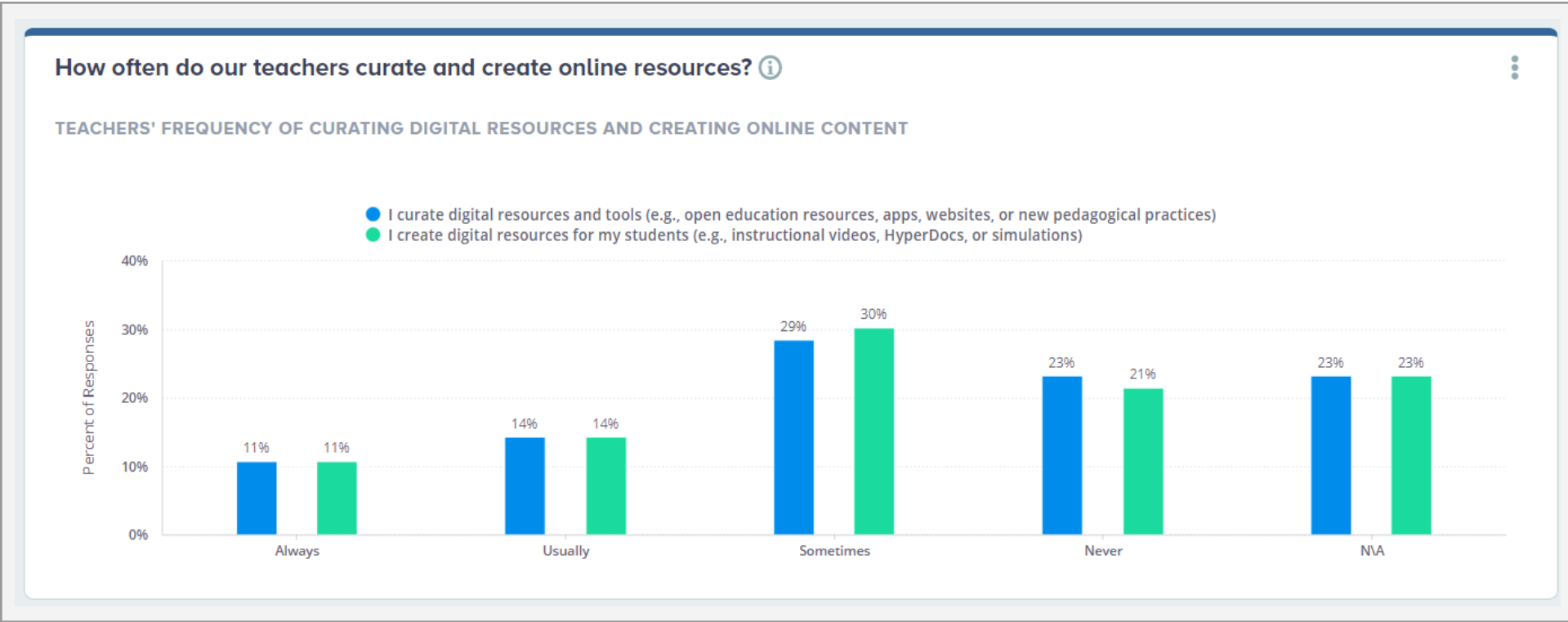
Do you currently have a method to collect student responses about the digital learning environment? If so, which tool (ex: BrightBytes, Speak Up, survey created by you or the district, other)?

BrightBytes Survey was administered to students across the district in grades 3-12 as well as teachers, school administrators, parents, and community members.

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.

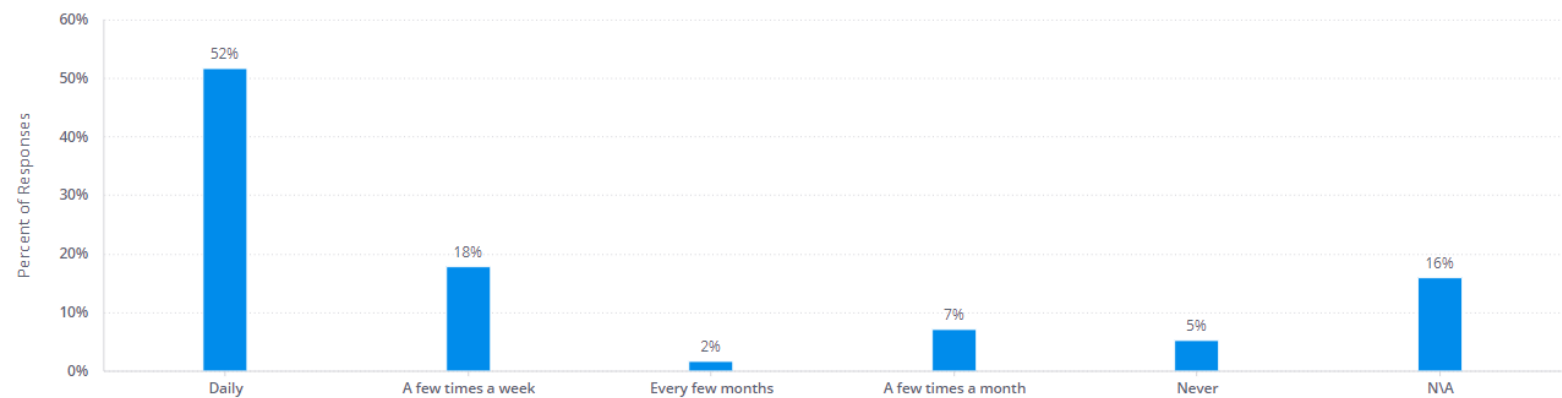






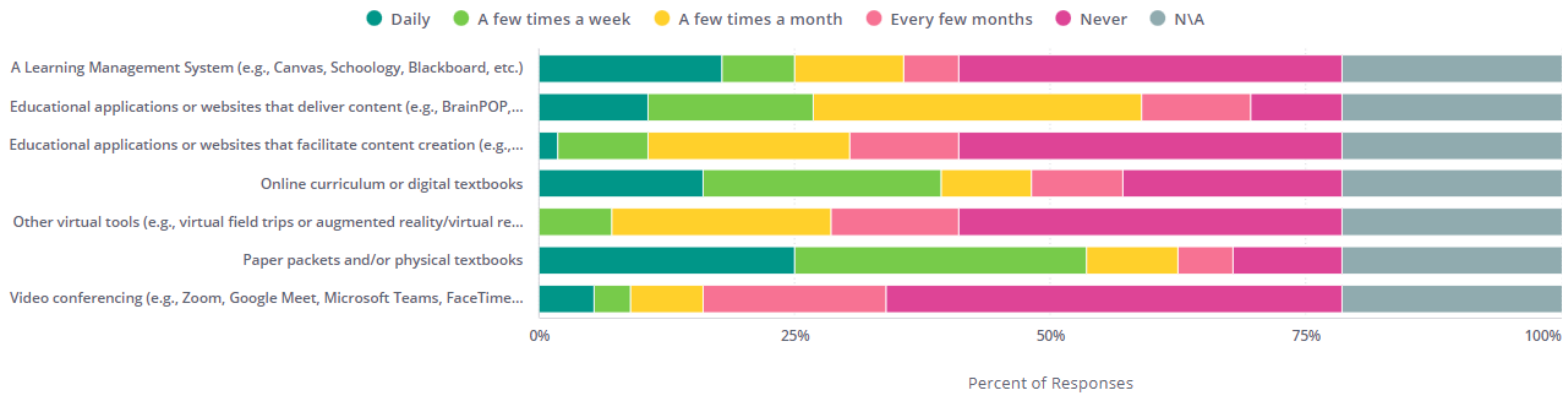
How often do teachers ask students use devices for learning?

FREQUENCY OF STUDENT DEVICE USE AS REPORTED BY TEACHERS



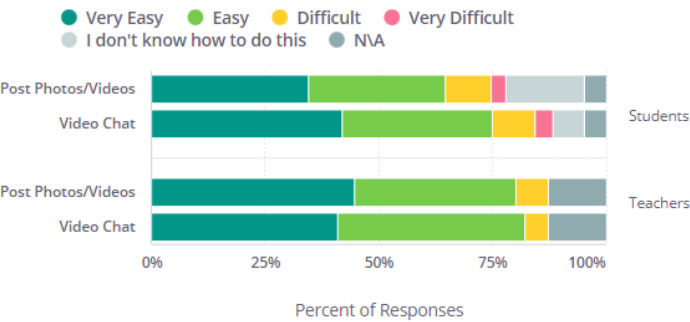
How often do teachers use different tools for learning?

FREQUENCY OF LEARNING TOOL USE REPORTED BY TEACHERS



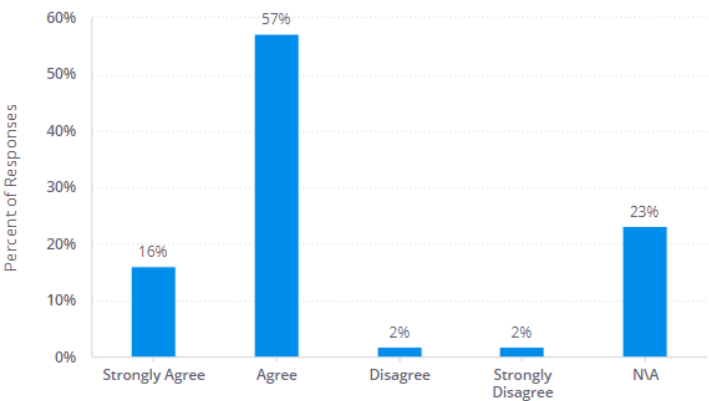
How easy is it for teachers and students to video chat and post online photos and videos?

TEACHERS' AND STUDENTS' REPORTED EASE OF POSTING ONLINE PHOTOS AND VIDEOS AND VIDEO CHATTING



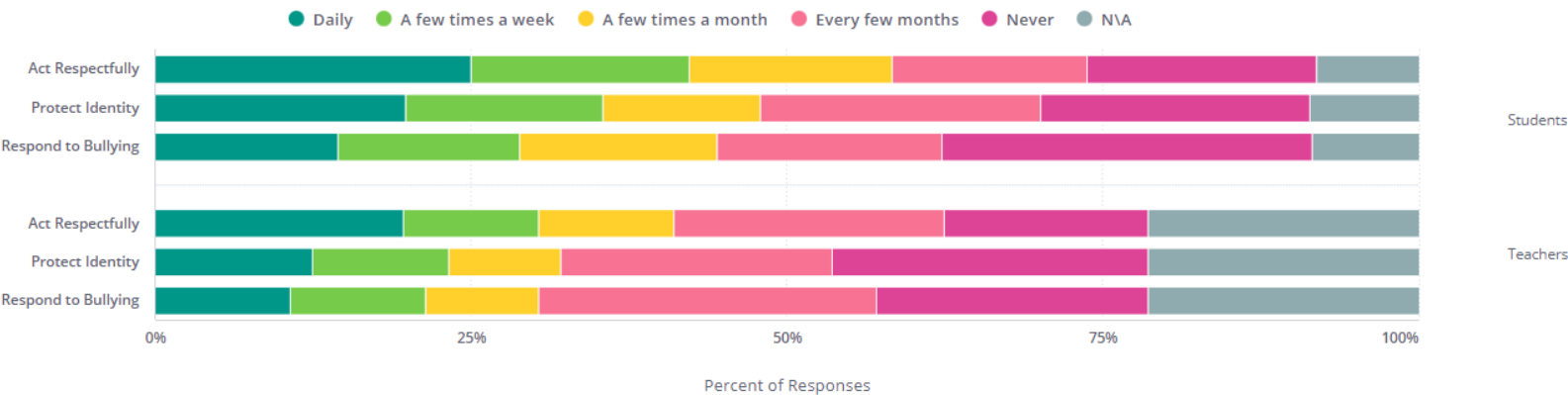
Do teachers feel confident managing students who are using technology?

TEACHER CONFIDENCE MANAGING STUDENTS USING TECHNOLOGY



How often do teachers talk about Digital Citizenship?

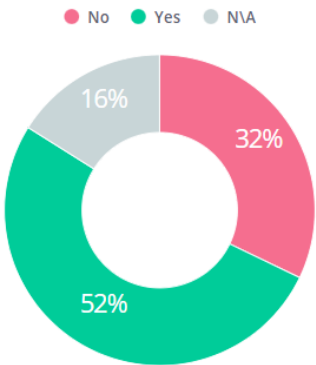
TEACHERS' AND STUDENTS' REPORTED FREQUENCY OF TALKING ABOUT/LEARNING ABOUT DIGITAL CITIZENSHIP TOPICS



What percentage of our teachers report facilitating online learning for their students? ⓘ



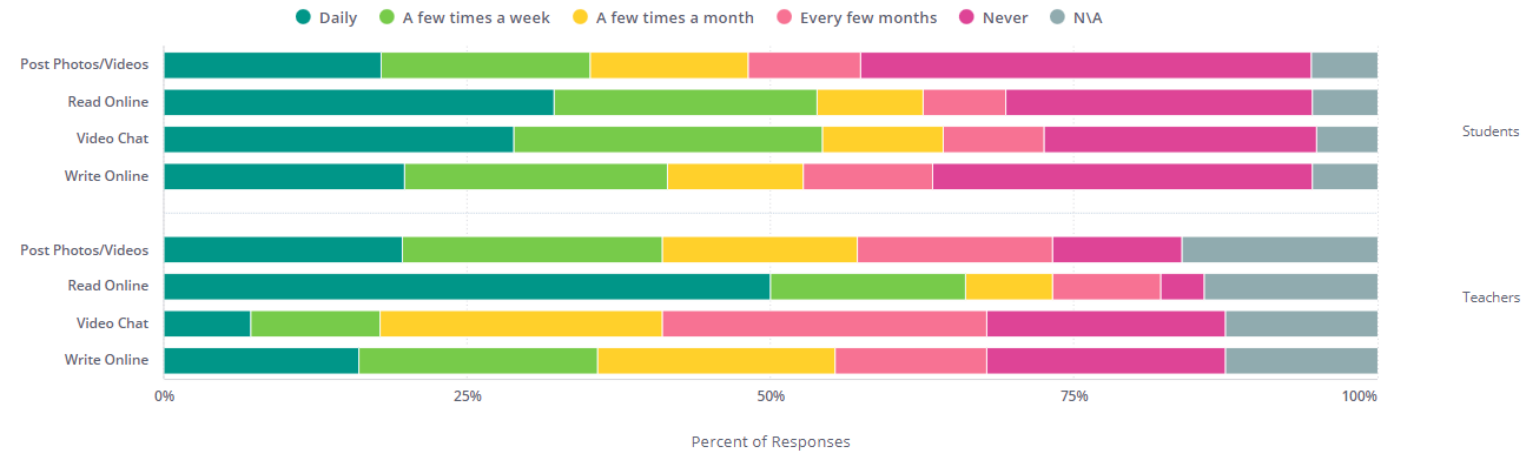
TEACHERS FACILITATING ONLINE LEARNING

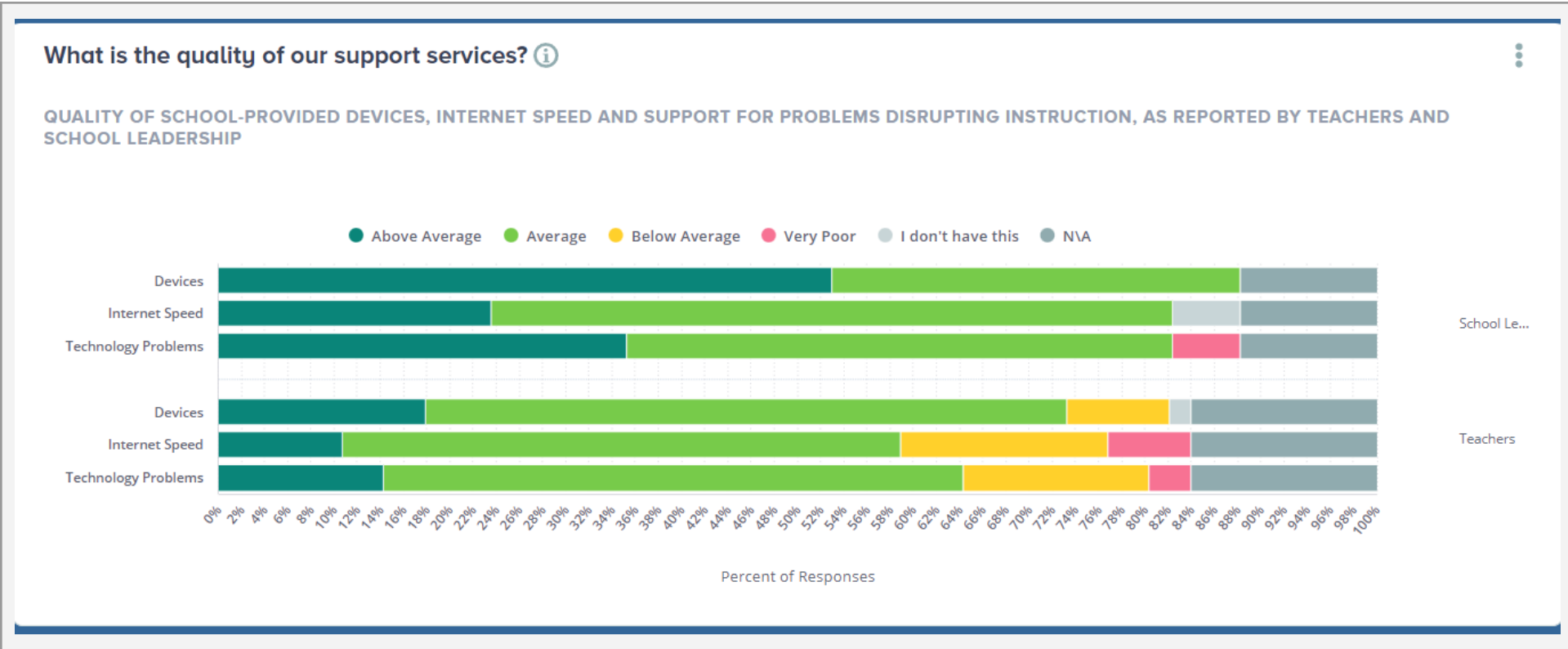


How often do teachers and students use online skills? ⓘ



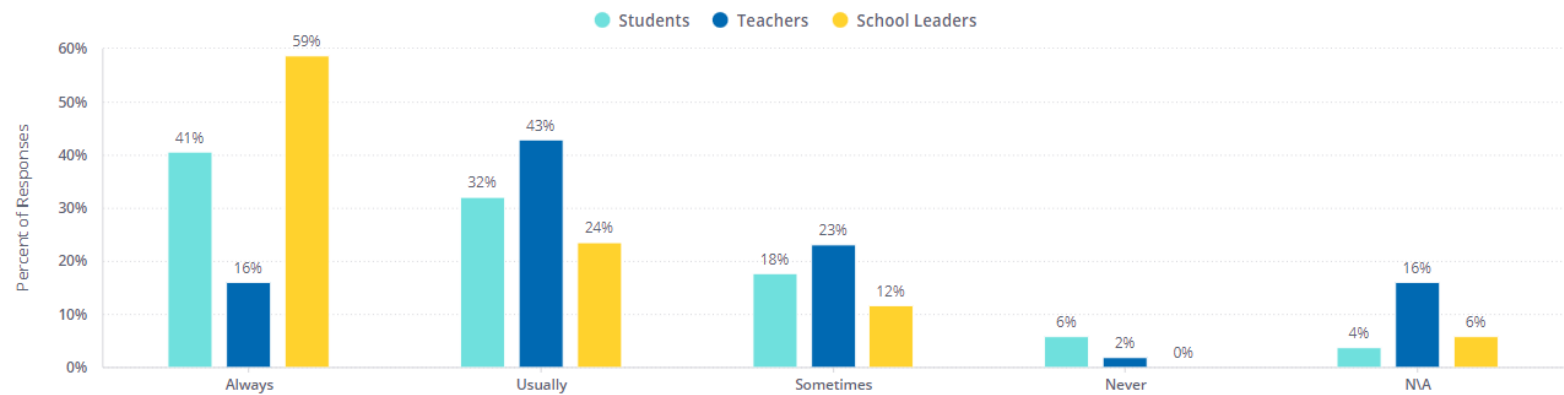
TEACHERS' AND STUDENTS' REPORTED FREQUENCY OF USING ONLINE SKILLS





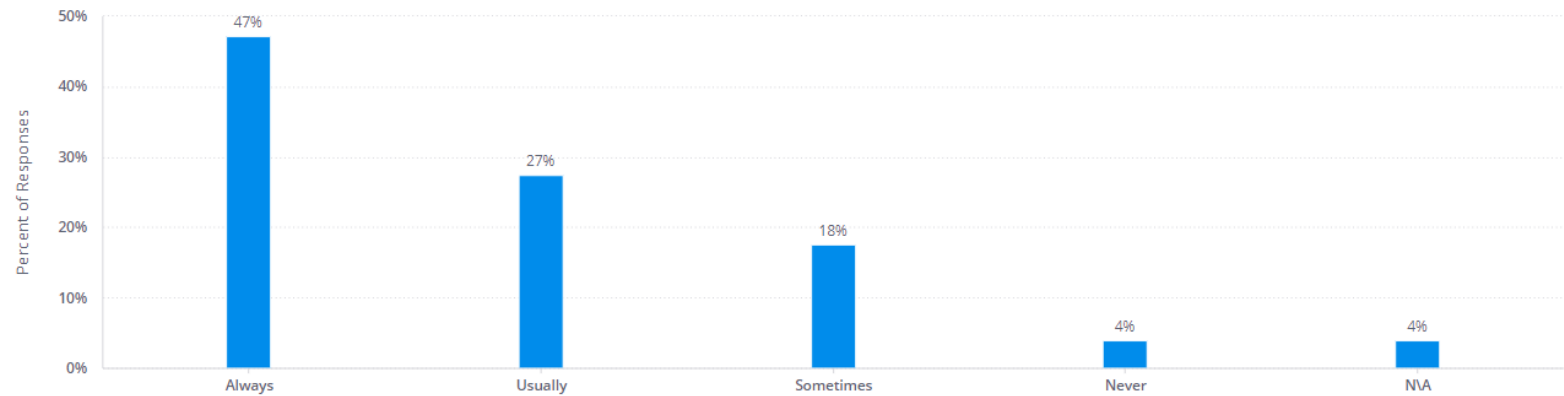
Do our students, teachers and leaders have access to support? ⓘ

FREQUENCY OF SCHOOL-PROVIDED TECHNICAL SUPPORT



Do our students have access to support at home? ⓘ

FREQUENCY OF STUDENT DEVICE SUPPORT AT HOME



KETS Master Plan Areas of Emphasis

Connected to the Future Ready Framework

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



Use the Areas of Emphasis and Future Ready Framework as a lens to analyze current trends, initiatives, needs and goals of your district. Link the work of this new plan identified by your planning team to the Gears and Areas of Emphasis of the KETS Master Plan on the following pages. There is no expectation to address all 36 Areas of Emphasis of the KETS Master Plan. Any strategy that involves Erate, please include in the Budget & Resources gear. If your district has lease agreements (i.e.; device, fiber, etc.), be prepared to reference the quantity during the final submission process.








Robust Infrastructure & Ecosystem

Future Ready Gear

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

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

 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 <i>(also including home access, Wi-Fi buses, school and classroom Wi-Fi, etc.)</i>
 AA-4	Continue to encourage the use of instructional programs and administrative processes requiring cloud-based services
 AI-1	Improve ease of access for students and staff through continued progress toward 1:1 student to computer ratio utilizing increased amounts of mobile devices <i>(fewer traditional computer labs)</i>



KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA3	Wireless access equipment will be replaced fully across the district.	CIO, Tech Staff, Vendor Partner	completed by Aug 1, 2024	Erate General Fund	\$350,000	Teachers and students will have adequate access points and wireless signals for teaching and learning activities.
AA3	Working with construction team on renovations in all buildings that will include any networking infrastructure and technology needs.	CIO, Construction Team, Superintendent, Facilities Director, Vendor Partners, KDE	ongoing until renovations complete across district	Construction Funds	150,000	All renovations will be completed with correctly installed technology and appropriate infrastructure.










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 (<i>Infinite Campus, Early Warning, MUNIS, eTranscripts, School Report Card</i>)
 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 (<i>acceptable use policies, firewall updates, data privacy studies, digital citizenship, content filtering</i>)
 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 (<i>annual auditors, TELL survey, Technology Activity Report, Digital Readiness, Data Quality Study, Data Quality Campaign, BrightBytes, SpeakUp</i>)
 AA-4	Continue to migrate key administrative and student data sets to secure cloud-based services that allow anywhere, anytime secure access for the improvement of student learning (<i>Infinite Campus, Early Warning, School Report Card, MUNIS</i>)
 AA-5	Continue supporting teacher efforts in taking ownership of digital citizenship skills and education their student in the same skills to foster a secure digital learning environment
 AI-1	Educate and support districts in the importance of personnel with duties related to student/staff data quality, security and privacy as well as bringing data privacy to the “radar screen” of teachers/staff (<i>The People Side of EdTech</i>)

 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
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KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA2	Students and their parents will indicate their understanding of acceptable use of technology equipment by signing the Bath County Acceptable Use Policy and Chromebook Policy every year.	Superintendent, CIO, Principals, Counselors, Students, Parents	completed by Sept 1, 2023	None	None	Students will submit a signed Acceptable Use Policy and Chromebook Policy signature page to appropriate school personnel at every level.
AA2	All Faculty and Staff will indicate their understanding of acceptable use of technology equipment by signing the Bath County Acceptable Use Policy and Chromebook Policy every year.	Superintendent, CIO, Principals, Counselors, Staff	completed by Sept 1, 2023	None	None	All Faculty and Staff will submit a signed Acceptable Use Policy and Chromebook Policy signature page to appropriate school personnel at every level.
AI1	Continue to require MFA for all staff	CIO, Staff	completed by July 1, 2024	None	None	All staff using multi-factor authentication.
AA5	Continue to provide Self-Service Password Reset for all staff	CIO, Staff	completed by July 1, 2024	Included in IIQ Licenses- Title I	\$5,000	All staff using self-service password reset.
AA2	Continue with security best practices from Microsoft and Google.	CIO, Superintendent	completed by July 1, 2024	None	None	Maintaining Microsoft Security Score at current level or higher.
AA2	Gather data and present on Cybersecurity in Bath County to local board.	CIO, Superintendent	completed by July 1, 2024	None	None	Completion of board presentation.



AA4	Continue moving services from on prem to cloud based per KDE guidance.	CIO, Tech Staff, Vendor Partner	completed by July 1, 2024	Facilities, District Departments utilizing the on prem servers	\$5,000	Elimination of on prem servers and implementation of cloud based servers.
AA2	LightSpeed relay internet filter provided by the state of Kentucky provides a modern solution for internet filtering. Local districts are required to meet the requirements of CIPA (Child Internet Protection Act)	CIO, Tech Staff, Vendor Partner, District Administrators	completed by July 1, 2024	KDE Provided	None	Students will be provided a safe online environment to research and collaborate.
AA3	Infinite Campus will be used across the district to house all student information, and used for online registration of new and existing students.	Superintendent, DPP, CIO, Tech Staff, Principals, Counselors	completed by July 1, 2024	Local Funds	\$11,000	Registration will be paperless and completed through Infinite Campus Online Registration. All student information will be housed in IC.











Budget & Resources

Future Ready Gear

KETS GUIDING PRINCIPLE – The Master Plan, as well as district and school technology plans, are aligned to the vision of 21st century skills for students and staff. Revenue streams are aligned to account for the recurring and nonrecurring total cost of ownership to support the 21st century learning environment in a manner that reflects good stewardship of tax dollars to include devices, infrastructure, support, data and human services.

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

 AA-1	Continue to maximize local and state education technology expenditures through a system of shared/brokered/managed services
 AA-2	Continue use of long-term planning strategies that allow for continuity of initiatives and systems (<i>ex. Accounting for cost of ownership over the lifespan of equipment so monies are allocated for repairs/upgrades</i>)
 AA-3	Continue to leverage all available state and federal funding opportunities to address required basic cost of living increases, previous budget cuts of basic services, projected growth by districts (<i>e.g. Internet consumption</i>) while maximizing education technology programs and initiatives (<i>Technology Need, E-rate</i>)
 AA-4	Continue to migrate key administrative and student data sets to secure cloud-based services that allow anywhere, anytime secure access for the improvement of student learning (<i>Infinite Campus, Early Warning, School Report Card, MUNIS</i>)
 AA-5	Continue supporting teacher efforts in taking ownership of digital citizenship skills and education their student in the same skills to foster a secure digital learning environment
 AI-1	Make districts aware of position/roles requiring technology-related duties in support of technology and instruction (<i>The People side of K-12 EdTech</i>)
 AI-2	Make districts aware of how to reduce expenditures on printing/print services (<i>both in consolidated contract pricing as well as shifting from paper to digital experiences</i>)
 AI-3	Evaluate the need and explore new contracts that drive costs down for statewide summative online assessment, learning management systems, printing services and interim based assessments



AI-4

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

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA2	Chromebook Carts/ Storage Solutions	CIO, Tech Staff, Vendor Partner, District Administrators, Principals, Teachers	completed by July 1, 2024	ESSER Funds Local Funds	\$20,000	Chromebook carts or alternative storage solution for all chromebooks to ensure safety and proper storage of all devices.
AA2	Completion of Interactive Panel Refresh	CIO, Tech Staff, Vendor Partner, District Administrators, Principals, Teachers	completed by July 1, 2024	ESSER Funds	\$10,000	Finish replacement of interactive panels across district- replacing outdated smart boards and projectors.
AA2	Completion of Desktop Refresh for Teachers with mounting system for direct connection to interactive panel	CIO, Tech Staff, Vendor Partner, District Administrators, Principals, Teachers	completed by July 1, 2024	ESSER Funds	\$20,000	Teachers will have new desktops to connect directly to their interactive panels. This will eliminate the need for networking running through the ceilings and walls and will provide a more stable and reliable connection.
AA1	All technology licensing requirements will be kept current. Microsoft EES Volume Licensing, Server CAL's, McAfee Anti-Virus	CIO, Tech Staff	completed by July 1, 2024	KETS Funds	\$12,000	Bath County will maintain legally required licenses.



	licenses and server licenses will be purchased to assure compliance.					
AA2	Centralized printing to network ready copiers and printers across the district and managed with PaperCut Software.	CIO, Tech Staff	completed by July 1, 2024	Local Funds	\$10,000	Teachers and staff will be able to print and release from any location in the district. Staff will be able to monitor usage.
AA2	Password Reset/ Ticketing Technology	CIO, Tech Staff	completed by July 1, 2024	Local Funds	\$7,000	Software will give staff and students a self service option to reset passwords from any location. The ticketing and asset management system will allow for better response time to technology issues and allow our department to make data driven purchasing decisions.
AA3	Elimination of duplicate devices for student use. Work towards a true 1:1 device policy with devices checked out to individual students.	CIO, Tech Staff	completed by July 1, 2024	None	None	Each school will assign students chromebooks for use. There will not be excess devices available for use in each room.
AI2	Elimination of personal printers in offices and printers not on supported list.	CIO, Tech Staff	completed by July 1, 2024	None	None	There will not be unsupported printers in our buildings.
AA3	Elimination of touch-screen student chromebooks as they age out. Will be replaced by non-touch screen chromebook devices.	CIO, Tech Staff	completed by July 1, 2024	None	None	Touch screen devices will be removed after aging out and replaced with non-touch screen devices.
AA3	Migration to chrome based devices across the district	CIO, Tech Staff	completed by July 1, 2024	ESSER Funds		There will only be select Microsoft devices across the district.






	unless there is a specific, justified need for Windows. Use of Flex OS on old hardware.					
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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 (<i>districts, vendors, higher-education, regional cooperatives</i>)
 AA-2	Continue to utilize avenues of communication with shareholders allowing pertinent information and dialog to further student learning efforts (<i>Webcasts, BrightBytes, Technology Activity Report, KETS Service Desk, Office of Education Accountability studies, independent studies, etc.</i>)
 AA-3	Continue to utilize tools engaging postsecondary institutions, community members, districts and families in student learning and life after K-12 (<i>eTranscripts, School Report Card and Dashboard tool, Infinite Campus parent and student portal, KDE Open House, Digital Readiness Survey</i>)
 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

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	Parents and stakeholders will receive announcements, closing information, absence reports through a rapid calling/ texting system.	CIO, District Administrators, School Administrators, Attendance Clerks	completed by July 1, 2024	Local Funds	\$3000	Parents and stakeholders will have current correct information provided from school personnel.
AA1	Partnership with State Police, SRO and local law enforcement agencies to assist in teaching students about digital citizenship.	CIO, SRO, State Police, Local Law Enforcement, Teachers, Principals	completed by July 1, 2024	Local Funds	\$500	Students will receive information on cybersecurity from law enforcement.
AA1	Use of social media and webpage to promote positivity and share good things happening in our district	CIO, Superintendent, Promotions Team, Teachers	completed by July 1, 2024	None	None	Community members, stakeholders, parents will be constantly informed of activities within the district.
AA1	Use of two-way communication platforms to communicate with parents.	Principals, Counselors, Teachers	completed by July 1, 2024	Local Funds	\$2000	Parents will be engaged and frequently communicate with teachers and schools using two-way communication platforms such as Class Dojo and Google Classroom.
AA3	Continue to utilize tools engaging postsecondary institutions, community members, districts and families in student learning and life after K-12	Principals, Teachers, Counselors	completed by July 1, 2024	Local Funds	\$1000	Partnerships with postsecondary institutions, community members, and families will be enhanced through transparency practices including printed reports, published documentation on



	<i>(eTranscripts, School Report Card and Dashboard tool, Infinite Campus parent and student portal, KDE Open House, Digital Readiness Survey)</i>					website, and via social media.
AA2	Continue to utilize avenues of communication with shareholders allowing pertinent information and dialog to further student learning efforts <i>(Webcasts, BrightBytes, Technology Activity Report, KETS Service Desk, Office of Education Accountability studies, independent studies, etc.)</i>	Principals, Teachers, Counselors	completed by July 1, 2024	Local Funds	\$500	Partnerships with postsecondary institutions, community members, and families will be enhanced through transparency practices including printed reports, published documentation on website, and via social media.
AA1	Collaboration with DPP, Facilities, School Safety, in determining user access rights and determination of which agency will monitor school surveillance system.	CIO, DPP, Facilities, Superintendent, Vendor Partner	completed by July 1, 2024	ESSER, Local Funds	\$350,000	A full upgrade of our security and surveillance system will occur.
AA1	Collaboration with High School CTE program to support and provide experience opportunities for IT Internship through apprenticeship CTE course.	CIO, HS CTE Dept, HS Principal, Superintendent, Tech Staff, Students	completed by July 1, 2024	Local Funds	\$10,000	The Senior Internship program will continue to grow and provide real-world experiences for students.











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 (<i>empowering students through technology with STLP, IT Academy, etc.</i>)
 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 (<i>based on International Society for Technology in Education standards</i>) 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 (<i>online formative assessment tools, interim based assessments, and summative assessments</i>)
 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)
AA2	Digital Learning Coaches at all BC schools to enhance technology opportunities for students and provide support for staff.	CIO, Principals	completed by July 1, 2024	KDE Matching Funds Local Funds	\$6000	Each school will have two Digital Learning Coaches who are available to enhance instruction for students through technology and provide support for staff.
AA2	STLP Chapters at all BC schools. Each chapter has a unique focus based on the interests of the students at each school.	CIO, Principals, Teachers	completed by July 1, 2024	Local Funds STLP Grants	\$10000	Each school will have an active STLP club and participate in local, regional, and state competitions.
AA2	Girls Who Code Chapters at all BC schools. Each chapter has a unique focus based on the interests of the students at each school.	CIO, Principals, Teachers	completed by July 1, 2024	Girls Who Code Grant Local Funds	\$3000	Each school will have an active Girls Who Code club.
AA5	All teachers will have access to an online curriculum to help supplement their instruction and support remote learning settings.	Virtual Academy Admin, Director of Instruction, CIO	completed by July 1, 2024	Local Funds	\$20,000	Teachers will have the ability to design and deliver lessons for students to give support during online learning
AA5	Google Classroom and Campus Learning will be used at a learning Management System for all grade levels. Elementary schools will also use Class Dojo to support remote learning and communication	Teachers, Principals	completed by July 1, 2024	Local Funds State Funds	State Provided	Teachers will have the ability to manage and organize student assignments and work. These programs will also be used as a means for secure two-way communication with students and parents.

AA2	Chromebooks available to all students in the district.	CIO, Tech Staff, Vendor Partner, District Administrators, Principals, Teachers	completed by July 1, 2024	ESSER Funds ECF Funds	\$300,000	All end of life chromebooks will be out of our district. Using ECF funds, chromebooks will be replaced at a 1:1 rate.
AA2	All classrooms will have Chromebook Carts/ Storage Solutions	CIO, Tech Staff, Vendor Partner, District Administrators, Principals, Teachers	completed by July 1, 2024	ESSER Funds Local Funds	\$20,000	Chromebook carts or alternative storage solution for all chromebooks to ensure safety and proper storage of all devices.
AA2	All classrooms will have an interactive panel	CIO, Tech Staff, Vendor Partner, District Administrators, Principals, Teachers	completed by July 1, 2024	ESSER Funds	\$90,000	Updated interactive panels for all classrooms- replacing outdated smart boards and projectors.
AA2	All classrooms will have a desktop with mounting system for direct connection to interactive panel.	CIO, Tech Staff, Vendor Partner, District Administrators, Principals, Teachers	completed by July 1, 2024	ESSER Funds	\$140,000	Teachers will have new desktops to connect directly to their interactive panels. This will eliminate the need for networking running through the ceilings and walls and will provide a more stable and reliable connection.
AA1	LanSchool	CIO, TEch Staff, Vendor Partner, Teachers	completed by July 1, 2024	Local Funds	\$25,000	Teachers will be able to monitor chromebook or windows device usage. Teachers will have control of monitoring and controlling



						devices from a central location.
AI1	All students will have access to a computer science curriculum and exposure to technology as a tool for teaching and learning.	CIO, Principals, Teachers, Curriculum and Instruction Director	completed by July 1, 2024	Local Funds, KETS, Federal Funds	\$10,000	Students are productive with the use of technology.
AA2	All students will be taught to utilize a mouse and trackpad.	Teachers, Principals, Students	completed by July 1, 2024	None	None	All students will be competent in using a mouse and trackpad.
AA3	Continued collaboration with HS CTE department to develop new opportunities for students in Engineering and IT.	CIO, HS Principal, CTE Department, Students	completed by July 1, 2024	Local Funds, CTE, Perkins	\$15,000	Students will have increased opportunities in the Engineering and IT CTE programs.
AA5	Use of Nearpod suite	Principals, Teachers	completed by July 1, 2024	Title I	\$13,000	All teachers will have access to Nearpod and its tools for instruction and assessment.
AI1	Implementation of Follett Library Program	Principals, Library Staff	completed by July 1, 2024	Title I	\$13,000	All schools will utilize Follett for their library management system.



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)
AI1	Teachers will incorporate technology resources in the learning activities all across the curriculum.	Principals, Teachers	completed by July 1, 2024	Local Funds Federal Funds	None	Teachers will use technology resources efficiently to support all content areas.
AA1	Bath County teachers and staff will receive professional development on technology and software programs related to their areas.	CIO, Director of Curriculum and Instruction, Director of Continuous Improvement	completed by July 1, 2024	Local Funds	\$1,000	Teachers will more effectively integrate technology into the curriculum as evidenced by lesson plans and the aligned curriculum document



		t, Director of Special Ed, Principals, District Administrato rs				
AA1	Teachers will receive PD on emerging technologies such as blended learning, remote learning, responsive lesson design, cloud based technology, document sharing, etc. to be used as part of instruction	CIO, Director of Curriculum and Instruction, Director of Continuous Improvement, Director of Special Ed, Principals, District Administrators	completed by July 1, 2024	Local Funds	\$1,000	Knowledge of new technology developments will be increased and incorporated into lessons
AA1	Schools will utilize Follett or Incident IQ to manage chromebook inventory and checkout to students.	CIO, Principals, Library Staff	completed by July 1, 2024	None- included in licensing	None	All schools will utilize a centralized management system to monitor and track chromebook inventory and checkout. All students will be assigned a device for 1:1 use.



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	Full wifi upgrade which allows for flexibility in instruction across campuses.	CIO, Superintendent, Tech Team, Vendor Partner	completed by July 1, 2024	Local Funds	\$150,000	New wifi access points will be installed and working correctly in all schools.
AA1	Students with prerequisite classes will be allowed to enroll in dual credit and AP classes to allow them to receive both high school and college credit.	Director of Instruction and Curriculum, Counselors, Principals, Teachers	completed by July 1, 2024	Local Funds	\$10,000	Students will participate in dual credit courses and AP courses through distance learning resources.

AA1	All teachers will have access to an online curriculum to help supplement their instruction and support remote learning settings.	Virtual Academy Admin, Director of Instruction, CIO	completed by July 1, 2024	Local Funds	\$20,000	Teachers will have the ability to design and deliver lessons for students to give support during online learning
AA5	Google Classroom and Campus Learning will be used at a learning Management System for all grade levels. Elementary schools will also use Class Dojo to support remote learning and communication	Teachers, Principals	completed by July 1, 2024	Local Funds State Funds	State Provided	Teachers will have the ability to manage and organize student assignments and work. These programs will also be used as a means for secure two-way communication with students and parents.
AA2	Chromebooks available to all students in the district.	CIO, Tech Staff, Vendor Partner, District Administrators, Principals, Teachers	completed by July 1, 2024	ESSER Funds ECF Funds	\$300,000	All end of life chromebooks will be out of our district. Using ECF funds, chromebooks will be replaced at a 1:1 rate.