



Kenton County School District | It's about ALL kids.

Issue Paper

DATE:

04/22/2024

AGENDA ITEM (ACTION ITEM):

Receive the District Technology Plan 2022-2025 with 2024 Updates

APPLICABLE BOARD POLICY:

01.1 Legal Status of the Board

HISTORY/BACKGROUND:

The Annual Technology Plan has been created by the District to perform long-range technology planning to identify trends, strengths, and areas for growth. It has been developed through the voice of District leaders, teachers, and students in the form of surveys, emails, and face to face meetings. This plan is reviewed by the Office of Education Technology (OET) staff annually. The information is then used in Master Plan strategic planning efforts to identify technology needs and other key components..

FISCAL/BUDGETARY IMPACT:

None

RECOMMENDATION:


Receive the District Technology Plan for 2022-2025 with 2024 Updates

CONTACT PERSON:

Matthew Winkler, Director of Technology


Principal/Administrator


District Administrator


Superintendent

Use this form to submit your request to the Superintendent for items to be added to the Board Meeting Agenda.

Principal –complete, print, sign and send to your Director. Director –if approved, sign and put in the Superintendent's mailbox.

Kentucky Education Technology System DISTRICT TECHNOLOGY PLAN

DISTRICT NAME Kenton County School District

LOCATION Fort Wright, Kentucky

PLAN YEAR(S) 2022-2025 (2024 Update)



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Planning Team

District Staff

| | |
|--|--|
| Matthew Winkler - Director of Technology | Jena Smiddy - Director of Instructional Technology |
| Gary Crawford - Technician | Garet Morris-Dean - Technician |
| Nick Kremer - Technician | Chris Schultz - Technician |
| Josh Cook - Technician | Katie Smith - Assistant Director of Finance |
| Cristy Richardson - Bookkeeper | Matthew Moore - Director of District Wide Programs |

Building Staff

| | |
|---|---|
| Julie Reinhart - Asset Coordinator / Parent | Kelli Ryan - Asset Coordinator |
| Jessica Cope - Asset Coordinator | Caroline Turner - Parent |
| Angela Staverman - STC | Katie Cahill - Instructional Coach |
| Joan Moening - Asset Coordinator | Mindy Coleman - Principal |
| Ellen Crum - Instructional Coach / Parent | Jennifer Egan - STC |
| Amy Whelan - STC | Lisa Marshall - Asset Coordinator |
| Bryce Miller - Instructional Coach | Jeffrey Bonlander - Instructional Coach |
| Megan Thomas - Instructional Coach | Christie Jones - STC |
| Sherri Cornett - STC / Instructional Coach | Andrew Capizzi - STC |

Additional District Contributors

| | |
|---|---|
| Matt Rigg - COO | Susan Bentle - Director of Finance |
| Shawna Harney - CAO | Erin Harlow - Supervisor of Accounting |
| Brian Vanover - Assistant Superintendent - Operations | Jennifer Weis-Smith - Procurement Coordinator |

Students

| | |
|---------------------------|-----------------------------|
| Cole Buckner - HS Student | Madison Gibson - HS Student |
| Jackson Wood - HS Student | William Daily - HS Student |

Previous Year's Strategies Evaluation

What strategies from last year went well?

The district has been able to strategically utilize KETS funding, local matching dollars, and E-Rate to upgrade our network infrastructure, produce a sustainable/reproducible 1:1 initiative, implement a LMS, and complete a district wide safety and security project. The wireless replacement project was completed in the fall of 2023.

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

One large initiative that was not able to be met was to leverage the ERate funding to initiate a full network replacement. This project has taken more time to get going and will be a focus in the fall of 2024. Also, replacing the technology work order system and inventory tracking system are active items prior to the 2024/2025 school year.

The district wide Safety and Security project met substantial completion during the 2021-2022 school year. This project included security cameras, door access control, cell service boost, and other safety and security upgrades. Due to the length of the project and staff turnover, there is still some training and implementation needed to fully take advantage of the vision of this project. This is a high priority item and we are working quickly to create the missing connections to fully implement this project. Past this phase is the vision to implement expanded safety measures locally and regionally.

The previous DTC retired in June 2021 and the new DTC brings a wealth of knowledge but there is a transition period that the district is experiencing currently. With this transition, some projects have slowed. It is the goal of the new DTC to create sustainable/reproducible plans and metrics going forward.

The district 1:1 initiative was revised in conjunction with instructional technology to meet the needs of staff and students today and going forward. Coming out of the Covid-19 pandemic, we are now ready to implement a measurable, sustainable, and reproducible district 1:1 plan. Students will be on a 4 year rotation and certified staff will be on a 5 year rotation. This updated plan was approved by the BOE during late 2021 for the next 10 years.

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

With the district 1:1 plan, the need for school level purchases of student and staff devices has shifted to the district. Because of this shift, the schools can now utilize those dollars to continue to improve the instructional technology classroom experience for staff and students.

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

The following goals will be added to this year's strategies based on surveys, observations, and feedback...

- Need to conduct audit of classroom technologies across district for existing functionality and development of upgrade plans
- Need to establish an improved and measurable work order system
- Need for software/program audit to ensure BOE procedures/policies are adhered to while reviewing for savings due to consolidation.
- Need to establish Student led help desk to support the district 1:1 implementation
- Need to establish a formula to staff the technology department appropriately
- Need to evaluate printing related to the district 1:1 and utilization of the LMS (Schoology)
- Leverage utilizing ETI or similar product to evaluate software purchases and evaluate ROI
- Combine Software Purchases to leverage district size and reduce costs

Upcoming Year's Strategies Preview

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

The DTC expanded the plan to a 3 year plan because in 3 years we will have completed the first full year of the revised district 1:1 plan where every student and every certified staff member will have a device provided and supported by the district.

There were 3 meetings held with the planning team to discuss, review, and improve the items listed on the previous plan in relation to the framework. Whole group and small group strategies were used to review the 8 gears of the framework. That information was collected and compiled by the DTC in producing this artifact. Several other district plans, state resources, and other research was used to analyze, reflect, and create this new 3 year plan.

Updates to this plan continually occur throughout the school year and those updates are captured within this plan yearly.

All of our strategies are directly related to our core beliefs:

- Ensuring every child reaches his/her maximum learning potential.
- All students are inspired to learn when provided rigorous, relevant, innovative and creative learning opportunities in a positive environment.
- Students, Educators, Staff, Families, Businesses, and the Community share in the responsibility for creating an environment in which all students can learn and succeed at high levels.
- It's About ALL Kids.

We will also continue to task our District and School Administrators with monitoring the goals and objectives of the technology plan as part of the CDIP process. The monitoring will take place through various structures including PPR walks, monthly meetings, instructional coaching, vendor partnerships, and CIA training. In addition, our Instructional Technology department working with our Academic Consultants leveraging professional resources will also inform our District and School Administrators in the monitoring of the goals and objectives laid out in this 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.

There are 4 large initiatives slated for the next 3 years as outlined in our plan...

1. Implement the revised District 1:1 plan adopted by the BOE in late 2021. This revised plan created a sustainable/reproducible direction for the next 10 years. With this plan comes the need for creation of a living, breathing handbook that outlines our strategies and processes.
2. Replace and consolidate the network utilizing ERate funding. The network was previously replaced over 6 years ago and was designed for needs during that time. It has aged past newer and more modern visions. There are advantages available to consolidate the network due to the high wireless usage rates that will allow for advanced networking tactics that haven't previously been possible.
3. Create a student led help desk. With the expansion of the district 1:1 plan, the need for a systematic process to repair and maintain those devices is needed. Utilizing students in this effort will allow for real world experience that can lead to future employment opportunities. The student led help desk program will have 3 strands: HS/MS course credits, paid internships, and summer employment opportunities.
4. Create a process to measure the success of the district 1:1 program. The district 1:1 program is one of the largest initiatives the district has undertaken. It will be essential and critical to the success that there is a systemic process to measure the success. This process will include surveys, observations, help desk data, feedback, professional development, etc. Our decisions around the direction of the program will always be backed by data driven decisions. We must and will pivot to keep student learning at the core of our focus.

Student Voice

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)?

Student, Staff, Leadership, and Community feedback will be collected utilizing a variety of surveys. The collection of this data in its various forms will allow us to analyze the data for measurable growth and reflection.

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 or informed strategy adjustments during an ongoing plan.

The district has used surveys in the past but due to Covid-19 and other factors we felt the data necessary to drive the strategies in this plan needed to reflect current and existing conditions. Going forward we have selected a variety of surveys to give us a holistic view of technology implementation in our district.

KETS Master Plan Areas of Emphasis

Connected to the Future Ready Framework

The Future Ready Framework identifies eight Gears to assist districts in developing a roadmap for student success through personalized student learning and collaborative leadership. The KETS Master Plan has identified 44 Areas of Emphasis connected to the Future Ready Framework and are categorized as either 1) *Acceleration Area (AA)* or 2) *Growth Opportunity Area (GO)*. The “acceleration areas” are considered big wins, successes, and major milestones of the KETS are identified for continuation work. The “growth opportunity areas” address improvement targets for the Master Plan.

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 44 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.



Collaborative Leadership

Future Ready Gear

KETS GUIDING PRINCIPLE – Collaborative leadership creates a shared vision of digital teaching and learning, an environment of collaboration (where partners make stuff together), encourages embracing innovation and empowerment, and a culture of evidence-based systems and processes.

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)



AA-1

Continue to use structures providing opportunities for feedback from shareholders and evidence of how KETS systems and processes are working or not working (360 feedback, CIO Summit)



AA-2

Continue the fostering of strategic partnerships and collaborations among educational institutions, technology companies, policymakers, and community organizations. Develop networks that facilitate knowledge exchange, collaborative research, and resource-sharing to promote innovation and address common challenges in education technology.



AA-3

Continue the recognition and support for the crucial role of teachers as leaders in educational technology integration. Provide professional learning opportunities and resources that enable teachers to develop expertise in leveraging technology to enhance instruction and student engagement.



GO-1

Improve collaboration among educators, technologists, administrators, and researchers to foster a holistic approach to education technology development, implementation, and evaluation. Encourage open channels of communication and provide platforms for sharing best practices, ideas, and resources across different disciplines and institutions.

| KETS AA or GO | Strategy/Action Item | Person(s) Involved | Anticipated Timeframe | Anticipated Funding Source | Anticipated Funding Amount | How will you know this is successful? (including metrics) |
|---------------|--|-----------------------|-----------------------|----------------------------|----------------------------|--|
| AA-1 GO-1 | Participate in Local, Regional, State, and National meetings/conferences | Technology Department | ongoing | KETS, General Fund | \$20,000 | Collaborative relationships with personnel in other districts. Individual Professional Growth. |

**Robust Infrastructure & Ecosystem***Future Ready Gear*

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

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)

**AA-1**

Continue to provide nation's first, fastest, highest quality, and most reliable and secure 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 provide digital equity and foster a culture of digital connectedness for students and staff by ensuring access to a 1:1 device assignment, prioritizing mobile devices over traditional computer labs, and providing consistent Wi-Fi coverage throughout schools. This approach emphasizes always-on, everywhere seamless digital opportunity and access, and includes an emphasis on empowering schools/districts to have a full understanding of digital access beyond the campus

**AA-4**

Continue to encourage the use of instructional programs and administrative processes requiring cloud-based services. Increase use of two factor authentication for all staff. Ensure hardware and software is fully integrated into instructional practices and used regularly to meet learning goals.

**AA-5**

Continue to implement efficient and effective interoperability strategies with statewide, districts, and schools EdTech systems and platforms (including integrations and seamless data exchange). Interoperability strategies aim to enhance user experiences and drive administrative efficiencies with education technologies.

**AA-6**

Replace aging projectors with Interactive TV's for interactive learning and providing more flexibility and ease of use for students and teachers.

**AA-7**

Replace aging phone systems to convert to VOIP based systems. Completely audit existing services to identify areas of cost savings and improved efficiency.



GO-1

Improve responsive EdTech support systems by securing leadership positions designed to make decisions to improve teaching and learning through technology integration. This role outlines the district's vision for education technology, implements digital learning strategies, and ensures that technology resources align with students' learning needs.

Responsibilities and expectations are primarily focused on understanding the educational needs and challenges of the district with a "seat at the table." Responsibilities would likely include influencing district-level budget conversations, leading planning efforts, research, procuring state and federal program funding, and establishing overall direction and vision of using technology for school efficiencies and instruction/learning.



GO-2

Improve formal cycles for review, refresh, and replacement - ensure upgrades, additions, and when called for, sunseting/eliminations in a timely, environmentally responsible and proactive manner of devices, infrastructure, and digital tools and resources. Where possible, teams make concerted efforts to automate systems to drive effectiveness and efficiency. (This is also connected to budget gear)

DISTRICT TECHNOLOGY PLAN

Kenton County School District

| KETS AA or GO | Strategy/Action Items | Person(s) Involved | Anticipated Timeframe | Anticipated Funding Source | Anticipated Funding Amount | How will you know this is successful? (including metrics) |
|---------------|---|--|--|----------------------------|----------------------------|--|
| AA-2 | Continue to provide a high-quality customer service experience for staff, students, and parents. | DTC, Instructional Technology | ongoing | KETS, General Fund | \$10,000 | Using Data from Surveys |
| AA-3 / GO-2 | Replace aging network system and complete consolidation | Technology Department, Vendor Partner | Completed by July 1, 2025 | eRate, KETS, General Fund | \$4,000,000 | Speed, Connectivity, and Number of Connections. |
| AA-3 | Continue to purchase Office 365 A3 Licenses for Staff and Students | DTC | yearly | KETS, General Fund | \$120,000 | Student and staff licenses will be kept up-to-date to ensure lawful access to the latest Office 365 software. |
| AA-3 | Continue Network and Server Maintenance | Technology Department | yearly | eRate, KETS, General Fund | \$25,000 | Network/Server uptime and reliability will continue to exceed the needs of staff and students. |
| AA-7 | Replace aging phone systems | Technology Department, Operations | Phase 1 - August 1, 2022 Phase 2 - June 30, 2023 Phase 3 - June 30, 2024 | KETS, General Fund | \$200,000 | All phones will be on 1 platform and managed at the district level. Redundancy and maintenance will demonstrate effectiveness through a working handset in all required locations. |
| GO-1 | Continue to progress on the District 1:1 program approved by BOE in Fall 2021. Student devices every 4 years and Staff devices every 5 years. | Technology Department, Instructional Technology, Finance, Supt | ongoing | General Fund, SBDM | \$1,200,000 | Utilize data from surveys, observations, usage statistics, etc. to measure progress and growth. Adjust and pivot as needed to maintain high quality instruction. |

**Data Security, Safety, Privacy & Use***Future Ready Gear*

KETS GUIDING PRINCIPLE – Strategic use of student data is a cornerstone of digital learning and must be done securely, safely, and with a focus on maintaining privacy. Laws, policies, and procedures are enacted at the federal, state, district, and school levels that work in conjunction for this purpose. Student data is then utilized by security-aware, data-fluent, and data-informed educators for improved decision making leading to increased learning for students.

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)

**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 and instructional leaders to identify what's working and what's not working based upon data quality and evaluate current systems and solutions to determine the effectiveness and future direction (*annual auditors, Impact survey, Technology Activity Report, Digital Readiness, Data Quality Study, Data Quality Campaign, SpeakUp*)

**AA-4**

Continue to migrate key administrative and student data sets to secure cloud providers that allow everywhere, all-the-time 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

**GO-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*)



GO-2

Improve and enhance the tools available to maximize the use of data through enhanced reporting, tools that help improve data quality, and visual data analytic tools. Kentucky K-12 data systems are first-class, and we need enhanced tools to create a more usable and more interesting story for the average person who may not have a technology and data background.



GO-3

Continue/Improve Building Safety and Security related to Cameras, Access Control, Emergency Call Buttons, Visitor Scanning, and Silent Notification. Expand service to include local police, county police, homeland security, etc. to improve effectiveness.

| KETS AA or GO | Strategy/Action Items | Person(s) Involved | Anticipated Timeframe | Anticipated Funding Source | Anticipated Funding Amount | How will you know this is successful? (including metrics) |
|---------------|--|---------------------------------------|---|----------------------------|----------------------------|---|
| AA-2 | Review Infinite Campus, Active Directory, Network, Server, and Workstation user permissions. | Technology Department | yearly by August 15th | n/a | n/a | Complete Risk Assessment |
| AA-2 | Review/Revise AUP, Technology Handbook, and District Security Procedures | DTC, Instructional Technology | yearly by July 31 | n/a | n/a | Board Meeting Minutes will Indicate Notification was Provided |
| AA-3 | Conduct Tell & BrightBytes Surveys | Supt, DTC, Instructional Technology | biannually | KETS, General Fund | \$10,000 | At least 80% return rate. Results will be used to inform district-level and school-level decisions. |
| AA-4 | Continue to utilize Schoology and Performance Matters as our LMS solutions | DTC, Instructional Technology | yearly by June 30 | KETS, General Fund | \$150,000 | Usage Statistics |
| AA-5 | Continue to Development and Implement Digital Citizenship Curriculum | Technology / Instructional Department | ongoing | KETS, General Fund | \$10,000 | Survey data reflects compliance |
| GO-1 | Conduct Staff Data Security and Privacy Training via Safe Schools Training Platform | DTC | yearly-completed within 1st month of school | General Fund | \$5,000 | 100% completion rate of the training |
| GO-3 | Continue/Improve Training related to Safety/Security | DTC, SRO, Admins | ongoing | General Fund | \$10,000 | Adoption of revised procedures and processes |

**Budget & Resources***Future Ready Gear*

KETS GUIDING PRINCIPLE – The Master Plan, as well as district and school technology plans, are aligned to the vision for digital teaching and learning for students and staff. Revenue streams are aligned to account for the recurring and nonrecurring total cost of ownership to support the modernized and personalized learning experiences (and environment) in a manner that reflects good stewardship of tax dollars to include devices, infrastructure, support, data and human capital services. (i.e. The People Side of EdTech)

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)

**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*)

**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

**AA-5**

Continue to collaborate with Finance, Superintendent, and BOE to plan for ongoing refresh of all EdTech resources. The cost of the annual 1:1 device refresh is moved from a capital expenditure to an annual operational expense.

**GO-1**

Educate districts on the ongoing cost of position/roles requiring technology-related duties in support of technology and instruction as well as modern drivers that require differentiated and strategic staffing models (*The People side of K-12 EdTech*)

**GO-2**

Educate districts on how to reduce expenditures on printing/print services (*both in consolidated contract pricing as well as shifting from paper to digital experiences*)



GO-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



GO-4

See an increased percentage of districts examining which education technology investments are or are not being maximized (through adoption, frequency of use, and impact)

DISTRICT TECHNOLOGY PLAN

Kenton County School District

| KETS AA or GO | Strategy/Action Items | Person(s) Involved | Anticipated Timeframe | Anticipated Funding Source | Anticipated Funding Amount | How will you know this is successful? (including metrics) |
|---------------|---|--|-----------------------|----------------------------|----------------------------|--|
| AA-2 | Use System in conjunction with Munis to track all assets. | Technology Department, Finance | ongoing | KETS, General Fund | \$20,000 | Use yearly data collected to formulate refresh and replacement cycles. |
| AA-3 | File for E-Rate and BOE match KETS offers | DTC, Finance | yearly | KETS, General Fund | n/a | n/a |
| AA-3 | Complete Yearly Reports *Technology Activity Report *Digital Readiness Survey *District Technology Plan | Technology Department, Instructional Technology | yearly | n/a | n/a | n/a |
| AA-5 | Continue to progress on the District 1:1 program approved by BOE in Fall 2021. Student devices every 4 years and Staff devices every 5 years. | Technology Department, Instructional Technology, Finance, Supt | ongoing | General Fund, SBDM | \$1,200,000 | Utilize data from surveys, observations, usage statistics, etc. to measure progress and growth. Adjust and pivot as needed to maintain high quality instruction. |
| GO-1 | Grow Technology Department to be appropriately staffed | DTC, Supt, Finance | ongoing | KETS, General Fund | \$85,000 | Additional Staff are hired and placed in areas of need. Work Order response time is reduced. |
| GO-2 | Review Print Strategies in relation to LMS use. Track printing and reduce carbon footprint. | Technology Department, Instructional Technology | ongoing | KETS, General Fund | \$12,500 | Use data collected to build strategies to reduce/consolidate printing. |
| GO-4 | Invest in work order service that provides better communication and work order tracking for end-users | DTC | July 31 | KETS | \$25,000 | Collect survey data in April to determine end-user satisfaction with communication and work order tracking. |

**Partnerships***Future Ready Gear*

KETS GUIDING PRINCIPLE – Connecting students, leaders, 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, public libraries, and business/industry, in support of student learning and preparation beyond K-12.

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)

**AA-1**

Continue to build trusted relationships with shareholders (families, districts, partners) to increase engagement, outreach, and connecting classroom experiences outside of school. (*districts, vendors, higher-education, regional education cooperatives, KET, KyVL*)

**AA-2**

Continue to utilize avenues of communication with shareholders allowing pertinent information and dialog to further student learning efforts (*Webcasts, 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*)

**GO-1**

Partner with postsecondary pre-service teacher and principal programs to provide support in candidate preparation, especially in regard to student project-based demonstrations of technology competencies; get more students on college/university campuses while they are a K-12 student. Encourage postsecondary institutions (as well as other partners) to host STLP events and/or fully maximize the opportunity to showcase the university and its programs while students are on campus

**GO-2**

Improve access to resources and professional learning for district-based online/virtual and remote learning programs to engage in continuous improvement in order to create high-quality online learning experiences for students

**GO-3**

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

DISTRICT TECHNOLOGY PLAN

Kenton County School District

| KETS AA or GO | Strategy/Action Items | Person(s) Involved | Anticipated Timeframe | Anticipated Funding Source | Anticipated Funding Amount | How will you know this is successful? (including metrics) |
|---------------|--|---|-----------------------|----------------------------|----------------------------|--|
| AA-1 | Participate in Local, Regional, State, and National meetings/conferences | Technology Department | ongoing | KETS, General Fund | \$20,000 | Collaborative relationships with personnel in other districts. Individual Professional Growth. |
| AA-2 | Communicate with parents, students, and community through the district website, Twitter and IC Messenger | District and School Leaders | ongoing | KETS, General Fund | \$17,500 | Parents, students and the community will receive timely updates regarding school events. |
| AA-3 | Expand partnerships with Ignite, JROTC, YSA for students | District and School Leaders | ongoing | n/a | n/a | Enrollment numbers continue to increase. |
| GO-3 | Expand STLP footprint at all buildings. Increase STEAM/STEM exposure to all students. | Technology Department, School Leaders, Students | ongoing | n/a | n/a | STLP programs established and thriving at each school. Attend Regional and State competitions. |

**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 (KAS). A robust digital environment provides students with the opportunity to assess their own learning/progress towards mastery of content/skills or utilize instructional technology to provide timely feedback that moves learning forward. Digital curriculum and instruction can also provide students the opportunity to create digital products showcasing a deep understanding of core competencies of every subject, demonstrating mastery of Kentucky Academic Standards for Technology, and utilizing digital collaboration tools that provide a realistic connection to postsecondary and career readiness.

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)

**AA-1**

Continue to provide access to high-quality learning experiences which further aligns to the Kentucky Digital Learning Guidelines

**AA-2**

Continue to promote, for ALL students, the use of Kentucky-approved/adopted Kentucky Academic Standards (KAS) for Technology, KAS for Computer Science, and KAS for Library Media Learning (*all based on national and international learner standards*)

**AA-3**

Continue providing opportunities for students to demonstrate learning connected to and through KAS for Technology, KAS for Computer Science, and KAS for Library Media Learning (*empowering students through technology with STLP, CS/IT Academy, etc.*)

**AA-4**

Continue to provide efficient and effective 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 high-quality and effective digital instructional materials through an equitable and robust digital experience

**AA-6**

Continue to support teacher efforts in taking ownership of digital citizenship skills and educating their students in the same skills to foster a responsible, safe, secure, and empowered digital learning environment.



AA-7

Continue to play a vital role in implementation of summative online assessment and school report card



AA-8

Continue to create a closer connection with Career and Technical Education to explain computer science career pathway offerings specifically related to computer programming/coding and increase valuable industry-level certifications and exams available through the CS & IT Academy



GO-1

Identify high-quality 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



GO-2

Encourage, engage, and empower the safe and responsible uses of Artificial Intelligence (AI) into school efficiency and the learning space by teachers and students (ensuring humans remain in the loop with strong AI implementations)



GO-3

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

DISTRICT TECHNOLOGY PLAN

Kenton County School District

| KETS AA or GO | Strategy/Action Item | Person(s) Involved | Anticipated Timeframe | Anticipated Funding Source | Anticipated Funding Amount | How will you know this is successful? (including metrics) |
|---------------|--|--|-----------------------|----------------------------|------------------------------------|---|
| AA-3 | Regrow participation in STLP at local, regional, and state levels | DTC, Principals, STLP Coaches | ongoing | General Fund | \$3,000 | Sustainable STLP programs at each school are present and thriving. Students compete in Regional and State competitions. |
| AA-4 | Provide opportunities for exposure to KAS for Computer Science and Technology at HS's and MS's | Asst Supt, DTC, Instructional Technology | ongoing | General Fund | *Staffing or Stipend may be needed | Student numbers in College and Career readiness increase. Added courses focusing on Computer Science are added to curriculum. |
| AA-5 | Use MAP, CERT, and Common Assessment data to inform instruction and curriculum decisions | Asst Supt, DTC, Instructional Technology | ongoing | General Fund | | Gap areas are reduced. Students achieving benchmark increase. |
| GO-1 | Revise, expand, and consolidate training resources on digital tools that support technology standards. | DTC, Instructional Technology | ongoing | General Fund | \$5,000 | Develop "Roadmap of Resources" for staff to assist with location technology related tools for resources. Establish technology driven PD. |
| GO-1 | Align digital tools and resources with curriculum. | Instructional Technology | ongoing | General Fund | \$5,000 | Documentation of which digital tools and subscriptions support district created curriculum. |
| GO-2 | Continue to create sustainable environment for online testing | DTC, DAC | ongoing | General Fund | \$100,000 | Increased wireless network to support online testing in large spaces. Testing is completed with minimal instructional impact or disruption. |

**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: Acceleration Area (AA) /Growth Opportunity Areas (GO)

**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

**AA-2**

Continue to promote and support the design and implementation of coaching models as a high-quality professional learning strategy (digital learning coach network, STLP coach network, etc)

**GO-1**

Provide districts with guidance and support to determine the learning needs of teachers resulting in high-quality professional learning opportunities related to digital curriculum and learning tools

DISTRICT TECHNOLOGY PLAN

Kenton County School District

| KETS AA or GO | Strategy/Action Item | Person(s) Involved | Anticipated Timeframe | Anticipated Funding Source | Anticipated Funding Amount | How will you know this is successful? (including metrics) |
|---------------|--|-------------------------------|-----------------------|----------------------------|----------------------------|--|
| AA-1 | Encourage teachers/staff to attend KySTE conference | DTC | yearly in March | KETS/SBDM | \$10,000 | Participating Teachers/Staff will share ideas and resources with their school. |
| AA-1 | Encourage teachers/staff to attend regional, state, and national conferences | DTC | ongoing | KETS/SBDM | \$20,000 | Participating Teachers/Staff will share ideas and resources with their school. |
| GO-1 | Teachers are infusing ISTE Standards | DTC, Instructional Technology | ongoing | n/a | n/a | Teacher lesson plans and Student artifacts reflect ISTE standards |
| GO-1 | Vertical/Horizontal PLC's | DTC, Instructional Technology | ongoing | n/a | n/a | PD and PLC's are improved locally and at district level |



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, digital efficiencies, and digital relationships, etc., assist in providing the vehicle for everywhere, all-the-time teaching and learning.

Areas of Emphasis: Acceleration Area (AA) /Growth Opportunity Areas (GO)



AA-1

Continue to provide guidance, support and resources for districts in the development and application of high-quality online, virtual, and remote learning programs as well as implementation of learning management systems



GO-1

Educate and support districts in the implementation and facilitation of digital learning tools and portable/mobile technologies that foster everywhere, all-the-time, always on, and 'always on you' access for staff and students

| KETS AA or GO | Strategy/Action Item | Person(s) Involved | Anticipated Timeframe | Anticipated Funding Source | Anticipated Funding Amount | How will you know this is successful? (including metrics) |
|---------------|--|--|-----------------------|----------------------------|----------------------------|---|
| GO-1 | Provide resources that promote and foster Project Based Learning (PBL) activities that expand beyond the classroom | Asst Supt, DTC, Instructional Technology, School Leaders | ongoing | General Fund | \$7,500 | Student artifacts that include authentic tasks, student voice/choice, cross-curricular concepts, and other PBL attributes |
| GO-1 | Create a plan for utilizing personal devices to supplement/complement district devices | Technology Department, Instructional Technology | ongoing | General Fund | \$15,000 | Enrollment numbers in guest wireless manager increase. Observations of additional technology is used. |
| GO-1 | Increase resources that foster Blended Learning | Instructional Technology | ongoing | Dell 1:1 PD Credits | n/a | Utilized days of design and PD in partnership with Dell |