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

THE KENTON COUNTY BOARD OF EDUCATION
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Dr. Henry Webb, Superintendent of Schools

KCSD ISSUE PAPER

DATE:
6/11/2020

AGENDA ITEM (ACTION ITEM):
Receive the District Technology Plan for 2020-2021

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 is developed through the voices of district leaders, teachers, and students in the form of surveys, emails, and face to face meetings. This plan is reviewed by 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 2020-2021

CONTACT PERSON:
Chris Setters and Rob Haney

_____   *Rob Haney*   _____
Principal   *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.

DISTRICT TECHNOLOGY PLAN

DISTRICT NAME Kenton County School District

LOCATION Ft. Wright, KY

PLAN YEAR(S) 2019-2020
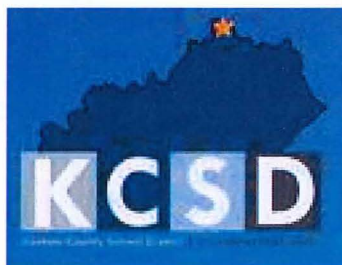
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Planning Team

District Technology Staff

Chris Setters, Director of Technology	Gary Crawford, Network Administrator
Chris Schultz, Technician	Nick Kremer, Technician
Robert Slone, Technician	

District Administrators	
Dr. Henry Webb, Superintendent	Rob Haney, Chief Operations Officer
Martha Setters, Assistant Superintendent	Shawna Harney, Assistant Superintendent
Malina Owens, Assistant Superintendent	Joe Chavez, Consultant

Principals	
John Popham, Simon Kenton High School	Christi Jefferds, Woodland Middle School
Kim Mott, Caywood Elementary	

School Technology Coordinators	
Jill Moyer, Summit View Academy	Kara Tolliver, Piner Elementary
Shannon Bosley, Dixie Heights High	Sherri Cornett, Turkeyfoot Middle

Previous Plan Evaluation

The Kenton County School District Administrators will be tasked with monitoring the goals and objectives of the technology plan as part of the CDIP process. This will be accomplished by Department Directors under the direct supervision of the Assistant Superintendent for Academic and Student Support and the Deputy Superintendent.

This monitoring will take place through various structures. First, each school in our district conducts minimum of two district-led PPR Walks per month. These walks allow CO Staff and building administrators to observe classroom instruction and provide immediate feedback and coaching for teachers. These PPR Walks also allow administrators to locate proficient examples of teaching to share among other teachers throughout the district. Through a Gates Integration Grant from KDE, an effort is also being made to capture proficient examples on video. In addition to District PPR Walks, monthly meetings for principals and assistant principals are conducted to improve leadership skills and coach administrators to be proactive sponsors of quality instruction and implementation of the Kentucky Core Academic Standards. Also, principals and assistant principals attend monthly after-school Curriculum, Instruction, and Assessment (CIA) trainings where deep work is conducted to equip them as true instructional leaders who can coach and model content strategies for their staff.

 A third leg to the development of principals as instructional leaders are the Principal Summits that are held monthly. These bring principals together by level (elementary, middle, and high) to discuss issues related to instruction and implementation of district programs. These sessions provide for consistency of support across schools in the district. To assure that district initiatives- SpringBoard, READ 180, System 44, Do the Math, LDC, MDC, etc- are implemented with fidelity throughout the district, coaching and data monitoring are used. Read 180 and System 44 data is collected monthly, analyzed at the district level and shared with principals.

The District Literacy and Math Consultants hold monthly trainings with content teachers to sharpen their knowledge and delivery strategies. In the high school, department chairs visit classrooms in order to facilitate improvement discussions.

New Plan Preview

The mission of the Kenton County School District is to provide a world-class education ensuring ALL students are college and/or career ready and prepared for the 21st Century Economy.

Some of our core beliefs include:
- Ensuring every child reaches his or 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.**

In order to determine the areas of emphasis for this technology plan, the following task were completed: a review of previous plan accomplishments, Receiving school feedback on technology focus areas. The plan was also designed to be as comprehensive as possible, providing strategies for areas to maintain a continued focus, as well as areas of improvement. The major activities in this plan can be summarized as follows:

- Refresh our Access Points in every classroom. This will ensure that the KCSD infrastructure remains robust and current for current and future needs.

- Continue to make investments in 1:1 for students, especially in light of online testing, and a 5 or 6 year refresh of staff devices.

- Continue to seek cost savings through programs like e-Rate and technology grants.

- Focus on supporting schools with targeted technology professional learning needs.

- Improve learning opportunities for students through a variety of means. Some of these will include creative uses of school time, Google Educational tools, and innovative learning programs.

- Continue to emphasize data security and accuracy with staff and students.

Student Voice

We currently use BrightBytes to collect input from our students. We also send out surveys through Google.

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

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

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

Robust Infrastructure & Ecosystem
Future Ready Gear

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

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

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

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

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

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

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

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-3	Complete the district-wide Access Point refresh for every classroom	Tech Dept, Vendor Partner	Completed by June. 30, 2021	eRate, KETS, General Fund	$386,000.00	Speed and connectivity test
AA-3	Replace workstations that are 6 years old or more.	CIO, Principals	yearly	KETS, SBDM, School Activity Funds, General Fund	$120,000 per year	Feedback on the quality of devices on the BrightBytes survey will remain stable.

AA-3	Continue to purchase Office 365 A3 licenses and Microsoft server licenses.	CIO	yearly	KETS, General Fund	$95,954.76 per year	Student and staff licenses will be kept up-to-date to ensure lawful access to the latest server and workstation software.
AA-3	Continue to secure network maintenance.	CIO	yearly	eRate, KETS, General Fund	$10,070.85 per year	Network uptime and reliability will continue to meet the needs of students and staff.
AA-3	Continue to secure file server maintenance.	CIO	yearly	KETS, General Fund	$3,000 per year	Server resources and performance will continue to meet the needs of students and staff.
AI-1	continue expanding the 1:1 program throughout the district	CIO, CFO, Supt.	ongoing	n/a	n/a	Definitive decision on district support for 1:1 district-wide will be made. Recurring costs on student devices will be better projected.
AA-2	Continue to provide a high-quality customer service experience for staff and students.	CIO	ongoing	n/a	n/a	Surveying staff and students

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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) **AA** */Areas of Improvement (AI)* **AI**

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

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

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

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

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

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

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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

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)
AI-1	Conduct Staff Data Security and Privacy training via the Safe Schools training platform (note: Safe Schools is used for other training requirements as well).	CIO	yearly within the first month of school	General Fund	$3,000 per year	100% completion rate of the training.
AA-2	Review Infinite Campus tool rights and group assignments.	CIO	yearly during the Summer months	n/a	n/a	Ensuring proper rights assignments will reduce the risk of unwanted access to data systems.
AA-2	Review AUP for possible areas to revise.	CIO, Ad Hoc Committee	completed by June 30, 2021	n/a	n/a	Acceptable Use Policy will address the latest laws, regulations, and best practices.
AA-2	Submit annual board notification of district security efforts.	CIO	Yearly by August 1	n/a	n/a	Board meeting minutes will indicate that notification was provided.
AA-3	Conduct the TELL survey every two years.	Supt, Asst Supt	2021-2022 2023-2024	n/a	n/a	At least 90% of staff will response to the survey. Results will be used to inform school-level decisions.
AA-2	Remove stale Active Directory and Infinite Campus accounts.	Tech Staff/ IC staff	yearly by June 30	n/a	n/a	Elimination of accounts no longer needed will reduce the risk of unwanted access to data systems.

AA-2	Audit network file/share permissions.	Tech Dept	yearly by June 30	n/a		n/a	Ensuring proper rights assignments will reduce the risk of unwanted access to data systems
AA-2	Audit workstation administrator rights.	Tech Dept	yearly by June 30	General Fund		n/a	Ensuring proper rights assignments will reduce the risk of unwanted access to data systems
AA-2	Ensure that administrator rights (DIST Support Admins, DIST Workstation Admins, access to various systems given to individual user accounts) are only given to Super accounts.	Tech Dept	completed by June 30, 2021	n/a		n/a	Ensuring proper rights assignments will reduce the risk of unwanted access to data systems.

Budget & Resources
Future Ready Gear

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

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

AA-1: Continue to maximize local and state education technology expenditures through a system of shared/brokered/managed services

AA-2: Continue use of long-term planning strategies that allow for continuity of initiatives and systems *(ex. Accounting for cost of ownership over the lifespan of equipment so monies are allocated for repairs/upgrades)*

AA-3: Continue to leverage all available state and federal funding opportunities to address required basic cost of living increases, previous budget cuts of basic services, projected growth by districts *(e.g. Internet consumption)* while maximizing education technology programs and initiatives *(Technology Need, E-rate)*

AI-1: Make districts aware of position/roles requiring technology-related duties in support of technology and instruction *(The People side of K-12 EdTech)*

AI-2: Make districts aware of how to reduce expenditures on printing/print services *(both in consolidated contract pricing as well as shifting from paper to digital experiences)*

AI-3: Evaluate the need and explore new contracts that drive costs down for statewide summative online assessment, learning management systems, printing services and interim based assessments

AI-4: See an increased percentage of districts examining which education technology investments are or are not being maximized

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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)
AA-3	File for eRate eligible services and products. See strategies in the infrastructure section for specifics on	CIO, Erate Personnel	yearly 470 - by Dec 15 471 - by Mar 15 486 - by Oct 15 472 - quarterly or as after purchase	n/a	n/a	The receiving of the discounts back to the district
AA-3	Continue to match KETS Offers and submit required reports/plans. Technology Activity Report Digital Readiness Survey District Technology Plan.	CIO, CFO	yearly in Fall, Winter, Spring yearly by July 31 yearly by July 31 yearly by May 31	n/a	n/a	n/a

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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 collaborative, postsecondary institutions and business/industry, in support of student learning and preparation beyond K-12.

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

AA-1: Continue to build trusted relationships with shareholders (families, districts, partners) that will reduce risk as well as increase transparency and communication *(districts, vendors, higher-education, regional cooperatives)*

AA-2: Continue to utilize avenues of communication with shareholders allowing pertinent information and dialog to further student learning efforts *(Webcasts, BrightBytes, Technology Activity Report, KETS Service Desk, Office of Education Accountability studies, independent studies, etc.)*

AA-3: Continue to utilize tools engaging postsecondary institutions, community members, districts and families in student learning and life after K-12 *(eTranscripts, School Report Card and Dashboard tool, Infinite Campus parent and student portal, KDE Open House, Digital Readiness Survey)*

AI-1: Partner with postsecondary pre-service teacher and principal programs to provide support in candidate preparation

AI-2: Encourage postsecondary institutions to host STLP events and /or more fully maximize the opportunity to showcase the university and its programs while students are on campus

AI-3: Build relationships with charter schools to determine policies and procedures related to architecture/design, systems security and privacy, services and reporting requirements

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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)
AA-2	Continue to communicate with parents, students and the community through the district website, Twitter and IC Messenger	DoC, District and School Leaders	Throughout the school year	General Fund	$15,000 for annual renewal of website	Parents, students and the community will receive timely updates regarding school events.
AA-1	Participate in regional technology meetings: CIO meeting,	CIO	Throughout the school year	n/a	n/a	Continuing to build collaborative relationships with personnel in other districts

Digital Curriculum, Instruction & Assessment
Future Ready Gear

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

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

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

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

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

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

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

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

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

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

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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)
AA-2	Regrow participation in STLP at both the regional and state level.	CIO, Principals, STLP Coaches	ongoing	General Fund	$3,000 per year	Students will have the opportunity to participate and compete in one of the largest student competitions in the U.S.
AA-4	Use MAP data to inform instruction and curricular decisions.	Asst Supt, Principals, Teachers	yearly in Fall, Winter, Spring	General Fund		Schools will be able to identify gaps, areas to improve,
AI-3	Ensure sufficient technology resources are available for online state testing.	CIO, DAC	yearly by Mar 31	n/a	n/a	All students will have access to a device for state testing and wireless access points will support the capacity per classroom.
AA-1	Continue to provide access and support for digital tools	Tech Dept	June 30, 2021	n/a	n/a	Consistent access will continue to support instructional practices
AA-4, AA-5	Use of digital tools to guide instructional practices and decisions	Tech Dept Learning Support Services	June 30, 2021	n/a	n/a	Digital tools will support instructional needs and guide instructional decisions
AI-1	Investigate ways to better monitor digital tool use	Director of Technology Software Coordinator TRTs Learning Support Services	June 30, 2021	n/a	n/a	Monitoring strategies will drive conversations and decisions on whether the district continues or eliminates support for digital tools

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Personalized Professional Learning
Future Ready Gear

KETS GUIDING PRINCIPLE – Digital learning expands the access to quality strategies and experiences for educators beyond the traditional methods of professional development. A culture of digital collaboration, workflow and relationships allows educators to build skill sets and instructional best practices with colleagues globally. This approach of increased access and flexibility for professional learning ultimately leads to greater success for students.

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

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

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

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	Send teachers select to the KySTE conference.	CIO	yearly in March	KETS/School funds	$5,000	Participating teachers will share ideas and resources with their school upon their return.
AA-1	Inform teachers of other technology-centered professional learning opportunities (IFL, #KyGoDigital, TeachMeetKY)	CIO	Throughout School year	n/a	n/a	Kenton County will have teacher participation in one or more of these events.
AI-1	Teachers will be introduced to the ISTE Standards for Educators and Students	CIO	Throughout School year		n/a	Teacher Lesson Plans

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AI-1	Teachers will receive training and support for the Google Apps for Education family of products to encourage effective collaboration, offer increased file storage and provide various tools to support technology integration	CIO	Throughout School Year	n/a	n/a	Google Certification Results
AA-1	Vertical and horizontal PLC's will investigate various methods of technology enhanced formative and summative assessment	CIO, STC's, Instructional Leaders	Throughout School Year	n/a	n/a	
AA-1	Continued support to determine the best tool to meet the instructional objective	Tech Dept Learning Support Services Instructional Coaches	June 30, 2021	n/a	n/a	Lesson plans, classroom visits, training logs
AA-1	Continue professional development designed to meet individual needs via online courses, face to face meetings, etc.	TRTs Instructional Coaches	June 30, 2021	n/a	n/a	Lesson plans, classroom visits, training logs