

DISTRICT TECHNOLOGY PLAN

DISTRICT NAME **Erlanger-Elsmere Independent**

LOCATION **Erlanger, Kentucky**

PLAN YEAR(S) **2020-2022**



ERLANGER/ELSMERE SCHOOLS

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Planning Team

District Staff [Recommended to include CIO/DTC, TIS/DLC, technician, finance officer, superintendent, academic officer, DAC, etc.]

Laura Deters, Chief Information Officer	Mike Triplett, District Technician
John Estep, Network Administrator	
Stephanie Trenkamp, District Technician	
Gillian Curtis, District Technician	

Building Staff [Recommended to included principals, LMS, STC, counselors, teachers, teaching assistants, etc.]

Angela Gabbard, Principal, Lindeman Elementary School	
Tiffany Gildea, Teacher, Miles Elementary School	

Additional District Contributors [Recommended to include board members, SBDM members, program directors, etc.]

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

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

Previous Plan Evaluation

In this section include a discussion of the “expiring” (*previous year’s*) plan using the prompts below. Attempt to limit your narrative to the space provided.

What goals were met? Rewire 4 buildings to CAT 6A using Erate dollars. We have revamped 5 network closets. We completed a new password protocol. We continued with district technology software and services. Attended KySTE. Installed a completely new wireless network with Extreme Networks. Replacing all access points and router. Took Lunchbox to the cloud.

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

Areas of improvement?

Areas/goals that are no longer relevant?

Needs that emerged after evaluation of the previous plan?

New Plan Preview

This is a high-level overview or executive summary of the plan as a whole. Attempt to limit your narrative to the space provided below.

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

How did you and the planning team decide on the goals for this plan?

John Estep, our Network Administrator, and I studied our current technology plan and chose the areas we felt were most important to cover in this new format. We look forward to having the time next year to pull a true committee together to develop this plan in full.

****We did have great plans, however, a pandemic was declared.****

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.

We have filed for Erate to replace switches and UPS. We have a new fiber vendor and we have upped our bandwidth from 1G to 10G.

We will begin a one to one rollout of chromes for students 3-12 in August.

We have delivered chromes to all certified teachers to be used as their primary work station beginning in August.

We are completing VoIP service for the remaining buildings that are still using POTS.

With GEERS, ESSER, and other emergency funds, the district is hiring an Instructional Coordinator- Technology.

With GEERS, ESSER, and other emergency funds, the district is paying for all staff to take the Level 1 Google Certification exam and the Level 2 Google Certification exam.

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)?

No

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.

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)
AI-1	Rolling out a one to one program for students grades 3-12 by leasing chrome books	CIO, Network Admin, Vendor Partner	Completed by beginning of school 2020	General Funds, GEERS, ESSER, other emergency funds.	\$109,332 annually	
AI-1	Leased chrome books for all certified teaching staff to use as their primary work station.	CIO, Network Admin, Vendor Partner	Completed by beginning of school 2020	General Funds, GEERS, ESSER, other emergency funds.	included in the amount above.	
AA-1	Signed a contract with a new vendor for our fiber. We are moving from 1G to 10G	CIO, Network Admin, Vendor Partner	Complete July 1, 2020	Erate and General funds	4800.00 total. We pay 10%. Erate pays 90%.	



Data Security, Safety & Privacy

Future Ready Gear

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

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




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





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




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

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


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

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

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








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	Expand staff professional development to include internet and email safety through the SafeSchools training module	CIO, Assistant Superintendent,	Completed by August 13 for all staff, or completed in 30 days of hire date	General Funds	3,100	100% completion of Safe Schools training.
AA-5	Greater implementation of Digital Citizenship for students	CIO, all teachers	On going from the beginning of school.	General Funds, School Funds, Free resources		Increased knowledge of security.
AA-2	Continue to provide best practice education to all staff.	CIO, Network Admin, KDE Support Staff	September 1, 2020	N/A		Increased knowledge of security. Lower number of email gatchas.
AA-1	Consolidate online accounts with 1 Clever single sign on	CIO, Network Admin	August 15, 2020	N/A		Lower number of work orders from staff re: students being able

	account					to get into programs.
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 **Budget & Resources**
Future Ready Gear

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

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

-  **AA-1:** Continue to maximize local and state education technology expenditures through a system of shared/brokered/managed services
-  **AA-2:** Continue use of long-term planning strategies that allow for continuity of initiatives and systems (*ex. Accounting for cost of ownership over the lifespan of equipment so monies are allocated for repairs/upgrades*)
-  **AA-3:** Continue to leverage all available state and federal funding opportunities to address required basic cost of living increases, previous budget cuts of basic services, projected growth by districts (*e.g. Internet consumption*) while maximizing education technology programs and initiatives (*Technology Need, E-rate*)
-  **AI-1:** Make districts aware of position/roles requiring technology-related duties in support of technology and instruction (*The People side of K-12 EdTech*)
-  **AI-2:** Make districts aware of how to reduce expenditures on printing/print services (*both in consolidated contract pricing as well as shifting from paper to digital experiences*)
-  **AI-3:** Evaluate the need and explore new contracts that drive costs down for statewide summative online assessment, learning management systems, printing services and interim based assessments
-  **AI-4:** See an increased percentage of districts examining which education technology investments are or are not being maximized

KETS AA or AI	Strategy	Person(s)	Anticipated	Anticipated	Anticipated	How will you know this is
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		Involved	Timeframe	Funding Source	Funding Amount	successful? (including metrics)
AA-3	Filed for E-rate to secure the funding to replace switches and UPS in network closets. Develop a 5 year Plan to utilize E-rate funds to the maximum in order to replace switches, UPS, and licensing for our new wireless network.	CIO CIO, Network Admin	Completion by June 2021 Ongoing for the next 5 years.	USAC, General Funds USAC, General Funds		Secure funding, complete replacements of some switches and UPS in closets. We will have up to date, current equipment.
AI-1	Hire an Instructional Coordinator-Technology	Superintendent, CIO, FO	Complete by July 1, 2020	Covid emergency funds		Will provide much needed help in the training of staff and students with the one to one roll out.



Partnerships

Future Ready Gear

KETS GUIDING PRINCIPLE – Connecting students and educators to the local and global community is a key factor to student success. The Master Plan will continue to provide opportunities for trusted relationships to build those connections as well as increase communication and transparency with shareholders, including families, districts, vendors, regional education collaboratives, postsecondary institutions and business/industry, in support of student learning and preparation beyond K-12.


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




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




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

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

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

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

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

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)



Digital Curriculum, Instruction & Assessment


Future Ready Gear


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


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




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


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


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

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

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

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

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

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

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	The Measured Assessment of Progress (MAP) adaptive test will be given to students two to three times a year (middle	Superintendent/ Assistant Superintendent	July 1, 2020- June 30. 2021	General Funds	27,798	Completion of Fall, Winter, and Spring MAP testing. Results available to administrators and teachers.

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	testing window is optional per school)					
AA-1	Other formative and/or tracking technologies (STAR, Renaissance Learning, Accelerated Math) will be used to track student progress in specific skills	School Principals	July 1, 2020- June 30. 2021	General Funds	19,538	Logged evidence of use in the software program(s)
AA-1	Edgenuity intervention software will be used during the regular school day	School Principals	July 1, 2020- June 30. 2021	General Funds	25,200	1) Statement of use in teacher lesson plans. 2) Logged evidence of use in the software program.
AA-1	Edgenuity intervention software will be made available for student use outside of the district via an external web address	Chief Information Office	July 1, 2020- June 30. 2021	General Funds	cost included above	RTI model can include distance learning technologies to assist students outside of the regular school day. Students can access the program anywhere they have an Internet connection of sufficient speed. Logged evidence of use outside of school day in software program logs.
AA-1	Fast ForWord Reading intervention software and Reading Assistant software will be used for struggling readers.	School Principals	July 1, 2020- June 30. 2021	General Funds	26,456	Fast ForWord and Reading Assistant software allow struggling readers to improve reading ability and improve reading test scores. 1) Statement of use in teacher lesson plans. 2) Logged evidence of use in the software program.

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AA-1	Selected students at Lloyd High School and all students at the Bartlett Educational Center will utilize the Edmentum program for credit recovery.	Lloyd High School principal; Bartlett Educational Center principal	July 1, 2020- June 30, 2021	General Funds	16,721	Students who have not succeeded in a traditional school environment—and who would most likely have otherwise dropped out--can utilize the online Edmentum program to gain. Total number and percentage of students who complete the Edmentum program; Percentage of those students who graduate
AA-1	The district will use Follett/Destiny Library software to serve as a database of library materials and to provide e-books for students.	Library / Media Specialists	July 1, 2020- June 30, 2021	Local Funds	4,250	Logs of student and faculty use of the Follett system as a library card catalog and as an e-book repository.





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)
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AA-1	Through trainings on in-service days and one to one intervention, all staff will become more comfortable and willing and able to use all components of G Suite. The district is paying for all staff to have the opportunity to complete the Level One Google Certification and the Level Two Google Certification.	CIO, district technology staff	June 15, 2020 - June 30, 2021.	2587.50	Covid Emergency Funds	Staff will be using all components of G Suite.
AI-1	Provide opportunities for CIO and other technology leaders in the district to attend professional conferences, such as the Infinite Campus Interchange and the Kentucky Society for Technology in Education Conference	CIO,	July 1, 2019 - June 30, 2020.	KETS/General Funds	District Professional Development Funds, Local General Funds	Technology leaders will learn about new technologies and new uses for current technologies and will bring that information back to the district to share with other staff members





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)