

# DISTRICT TECHNOLOGY PLAN

**DISTRICT NAME** FRANKFORT INDEPENDENT SCHOOLS

**LOCATION** FRANKFORT, KENTUCKY

**PLAN YEAR(S)** JULY 2018 – JUNE 2021

**PLAN VERSION** DRAFT-2.3 (UNAPPROVED)



<http://www.frankfort.kyschools.us>

Mission: Frankfort Independent Schools is a community-based school District, committed to academic excellence, personal achievement, and professional integrity. We provide learning opportunities in a caring, safe, and healthy environment responsive to each student in collaboration with families and community.

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**Planning Team (Frankfort Independent Technology Planning & Innovation Team)**

Note: Positions/roles below will continue to be part of the technology planning committee, but specific person’s names may change during the plan’s lifecycle.



<b>District Staff</b> [Recommended to include CIO/DTC, TIS/DLC, technician, finance officer, superintendent, academic officer, etc.]	
BARBER, HOUSTON DR.	SUPERINTENDENT
CAMPBELL, TOM	CHIEF FINANCIAL OFFICER
CHI, RON DR.	CHIEF ACADEMIC & INNOVATION OFFICER
CRABTREE, ARLENE	DISTRICT TECHNOLOGY INTEGRATION SPECIALIST\DIGITAL COACH
JONES, JONATHAN	DISTRICT TECHNOLOGY COORDINATOR\NETWORK MANAGER
<b>Building Staff</b> [Recommended to included principals, LMS, STC, counselors, teachers, teaching assistants, etc.]	
ADAMS, RANDY	SECOND STREET SCHOOL (ASSISTANT PRINCIPAL)
LYONS, JOHN	FRANKFORT HIGH SCHOOL (PRINCIPAL)
REXROAT, JACOB	FRANKFORT HIGH SCHOOL TEACHER (HIGH SCHOOL REP)
SNIPES, SARAH	SECOND STREET SCHOOL TEACHER (MIDDLE SCHOOL REP)
STIGERS, LESLIE	SECOND STREET SCHOOL TEACHER (ELEMENTARY SCHOOL REP)
SAMS, SAM	SECOND STREET SCHOOL RIGOR ALIGNMENT COACH
<b>Additional District Contributors</b> [Recommended to include board members, SBDM members, program directors, etc.]	
JONES, TASHA	FRANKFORT INDEPENDENT SCHOOLS (BOARD MEMBER)
HOWELL, BRITTNEY	DIRECTOR OF EXCEPTIONAL CHILD
<b>Students</b> [Recommended to include middle and/or high school students ]	
WALTERS, MARGI	FRANKFORT HIGH SCHOOL STUDENT
MUELLER, VANCE	SECOND STREET MIDDLE SCHOOL STUDENT
<b>Other</b> [parents/community members, business and nonprofit leaders, etc. ]	
CAMDEN, JENA	SECOND STREET SCHOOL PARENT \DISTRICT EMPLOYEE
YOCUM, MAC	FRANKFORT HIGH SCHOOL PARENT \ DISTRICT EMPLOYEE

## Previous Plan Evaluation



The Frankfort Independent School District has managed to progress since the approval and adoption of the prior tech plan from 2015. Due to the small size of our District and limited tax base, with 75% of taxable property being exempt within our boundaries, we were still able to make considerable strides in improving our education technology (EdTech) program through available resources such as community, families, and partners, in addition to strategic planning and using cost-effective technology solutions, while maximizing KETS, E-rate, and local dollars.

Some of the goals that were met since the inception of the prior tech plan include:

- A. Continued success in moving towards a 1:1 student device initiative.
- B. Establishment of S.T.L.P (Student Technology Leadership Program) in each school. [<https://stlp.education.ky.gov/>]
- C. The majority of teachers integrating EdTech processes into their *Professional Learning Communities* and classroom practices.
- D. Improved wireless infrastructure.

Some of the goals that were not met since the inception of the prior tech plan include:

- A. Students in grades 5-12 will earn their digital driver's license to demonstrate digital citizenship. [<https://otis.coe.uky.edu/DDL/launch.php>]
- B. Implement Information Support and Services, a career pathway for students through partnership with Franklin Co Tech Center.
- C. To provide teachers and staff members with a school based technology support coordinator at each school to assist with all technology initiatives.
- D. Teams of teachers will attend state and national technology conferences.
- E. Provide formal and informal technology professional development trainings throughout the District.
- F. Teacher\classroom websites for students and parents.

Areas that should have had more forethought with respect to the previous tech plan include:

- A. 21<sup>st</sup> Century classroom design allowing teachers to model the appropriate digital technology.
- B. Infrastructure improvements to the core network which includes upgraded switching hardware and cabling (excluding wireless).
- C. The *People-Side* of education technology to meet the growing demands.

Our EdTech program will continue to evolve and provide the framework for new and enhanced opportunities to improve learning inside and outside the classroom.

## New Plan Preview



The Frankfort Independent School District prides itself on transforming the lives of students, each and every day.

The District's [Technology Planning and Innovation Team](#) discussed and developed this plan based on the framework of the [KETS Master Plan](#) for the 2018-2021 fiscal years through a number of formal and informal meetings held throughout the year. The process for establishing goals were as follows:

The committee examined the current EdTech program and developed a set of needs and priorities for our district for the 2018-19 school year, and additionally looked ahead strategically to June 2021 for the lifecycle of the plan. This examination was exercised through an assessment of our existing program using the technology lifecycle plan (Examine – Plan – Execute – Review) which included assessing the capabilities of processes and resources used to facilitate learning that are currently available to students, faculty, and staff while addressing the following:

- a.) What are we doing well that we can build upon and accelerate learning and innovation to enable the full potential of each student?
- b.) What do we need to improve upon to reach an appropriate level of measured academic performance that will be in alignment with the vision and mission of the District?

As a result of our planning, and careful review of the expired technology plan, the technology committee focused on four major areas to considerably improve within the Frankfort Independent Schools EdTech program. Though not ranked in priority, the improvements include:

1. Robust Infrastructure - An environment that can better offer ease of access and reliability to digital resources for a connected, always-on, anywhere/anytime learning environment. This specifically includes:
  - A.) 21<sup>st</sup> Century classroom design with modern, digital inclusion for staff and students.
  - B.) Network switching and cabling upgrades.
2. Personalized Professional Learning – Improved initiatives that will empower and motivate staff while maximizing instruction time for enhanced personalized learning.
3. Data & Privacy – Better awareness in regards to data privacy to foster a more secure learning environment for students, parents, faculty, and staff.
4. Budget & Resources - Establishing appropriate measures of fiscal accountability and sustainability to ensure our EdTech program can keep up with a rapidly changing learning landscape moving into the future while providing digital equity for all students and additionally having the appropriate resources and capacity (People Side of K-12) in place to meet the District's needs.

## 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)?*

We currently do not use Bright Bytes or Speak Up to capture student voice. We do use Google Forms to collect data from our students, however, we have not gathered any specific data from our students surrounding digital learning in grade K-12.

As we move into the 2019-20 school year, technology will become more of an instructional focus. We will highlight Internet safety and how to better embed technology into instruction. Throughout the upcoming school year we will gather data from our students in order to provide the best digital learning environment for students and their families with the ultimate goal of moving away from technology as an enhancement tool and more towards a transformational tool based on the familiar SAMR framework (Figure 1).

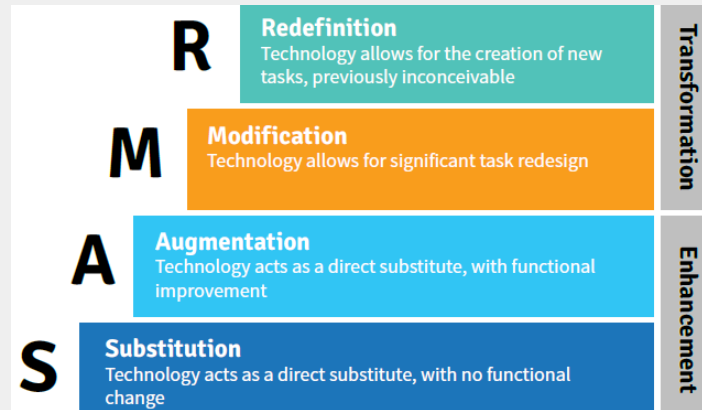


Figure 1: SAMR Framework <https://www.schoology.com/blog/samr-model-practical-guide-edtech-integration>

*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.*  
N/A

## **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-2	 BYOD implementation. Redesign onboarding for wireless guests with network access control in place	Director of Technology/Vendor	Q1-Q2 FY-2019-20	Local Funds (Hardware not covered under E-Rate)	\$9306.40	-Ease of access for guest devices on our network is essential to building a successful 1:1 and BYOD program
	 Complete redesign of website for enhanced digital connectedness	Director of Technology/Superintendent/Digital Coach	Q2 FY-2018-19	KETS	\$500.00 (Beta website fee)	-Online feedback from parents, staff, and the community in general



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	<p> Interactive panel rollout to instructional classrooms.</p> <p> Decommission legacy servers and consolidate various services onto new hardware</p> <p> Create better support structure for 1:1 program with adding a technician role</p> <p> Update current Help Desk and ticketing system software based on ITIL standards</p>	<p>Director of Technology/Digital Coach/Vendor</p> <p>Director of Technology/Vendor</p> <p>Director of Technology/Digital Coach/Superintendent</p> <p>Director of Technology/Digital Coach</p>	<p>Q2 FY-2018-19</p> <p>Q3 FY-2018-19</p> <p>Q1 FY-2019-20</p> <p>Q1-Q2 FY-2019-20</p>	<p>KETS\Local Funds</p> <p>KETS\Local Funds</p> <p>General Fund</p> <p>N/A</p>	<p>\$22,800.00</p> <p>\$10,000.00</p> <p>TBD</p> <p>\$0.00 (Free solution)</p>	<p>-District will purchase 8 interactive panels/year. This will equate to 4 per school. Grades P-4 will get 65" panels with rolling carts. Grades 5-8 will receive 75" panels without carts. Teachers that receive the panels will be required to attend a mandatory training on the use of this technology.</p> <p>-Lower TCO (Total Cost of Ownership) of having less hardware and associated operating expenses</p> <p>-Improved response and wait times for device repairs/issues from inception to resolution. Will use data reported from our Help Desk software to measure success</p> <p>- Ease of use and staff satisfaction with ticket lifecycle from inception to resolution will be the two driving factors of success</p>
AA-3	<p> Home Internet access for underprivileged students and families</p> <p> Community Internet for students established at local businesses and certain housing communities.</p> <p> Bus Wi-Fi - SmartBus 5GB</p>	<p>Guidance Counselors/Rigor Alignment Coach/Director of Technology</p> <p>Superintendent /Director of Technology</p> <p>Superintendent</p>	<p>Current and Ongoing</p> <p>Current and Ongoing</p> <p>Q2-Q3 FY-2019-20</p>	<p>Partnership with Frankfort Plant Board</p> <p>City of Frankfort Partnership Grant (2-Year)</p> <p>Title I</p>	<p>\$0.00 (Free for families with students)</p> <p>\$200,000.00</p> <p>\$1575.64 for</p>	<p>-The number of families that continue to take advantage of this offering will be the measure of success.</p> <p>-Usage metrics will be measured from the Cisco Meraki analytics tool</p> <p>-For the first year of this offering, we</p>

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	plan offering	/Principals/Director of Technology			1-year	will only install the service for 1 bus. We will be evaluating the service offered by the vendor for future program rollout.
AA-4	 Utilization of Cloud-based service for classified staff time and attendance [https://www.frontlineeducation.com/]	/Director of Technology/Human Resources Director	Q1-Q2 FY-2018-19	General Fund	\$5,040.00	-Time saving and compliance measures -Integrates with Munis for better efficiency
AI-1	 Restructure plan to move towards 1:1 computing among students	Director of Technology/Digital Coach/Rigor Alignment Coach//Superintendent	Q4 FY-2018-19 - Ongoing	KETS\General\Local Fund	\$30,000 (May vary depending on enrollment numbers)	-As we begin purchasing additional devices in May 2019, we will begin distribution of Chromebook devices at Grades 5 and 9. Students will keep the device for 4 years with Seniors having the option to own the device. Once the devices are distributed in Q1 2019, we will be 1:1 in Grades K-12 -Teacher devices will be replaced on a 5-year rotation cycle using a Chrome type device, and Windows device only when required
	 Adoption of device take-home program for HS students	Director of Technology/Digital Coach/HS Principal	Q1-Q2 FY-2019-20	N/A	N/A	-Student participation will be measured on buy-in from parents with respect to insurance payment students will be required to pay in order to participate in the take-home program



## ***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

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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)
AI-1	 Annual HIPPA, FERPA, confidentiality training in addition to a <u>new</u> Data Security and Privacy training courses required for all staff	Human Resources/Director of Technology	Required Annually. Q1 FY-2019-20 (New Data Security and Privacy Training Only)	General Fund	\$10/employee Or \$1500.00 annually	-SafeSchools Training ( <a href="https://frankfort-ky.safeschools.com/login">https://frankfort-ky.safeschools.com/login</a> ) is used to report and monitor the progress of each employee's activity for each training module
	 Review personnel procedures for violations in Data Security & and Privacy	Human Resources/Superintendent/Director of Technology	Q1 FY-2019-20	N/A	N/A	-Progressive Discipline Policy
	 Review user IC permissions to adhere to 'Principle of Least Privilege'	Attendance Data Technician/DPP Director of Technology	Q1 FY-2019-20	N/A	N/A	-Annual report and review by Attendance Data Clerk and DPP. Report will additionally be provided to the Director of Technology
	 Review stale AD user accounts and groups, in addition to adhering to 'Principle of Least Privilege'	Director of Technology	Q1 FY-2018-19	N/A	N/A	-Annual security audit
	 Improve District Password Policy	Director of Technology	Q2 FY-2018-19	N/A	N/A	-Annual security audit
	 AT&T FirstNet (First Responder communication system)	Director of Technology/Superintendent	Q4 FY-2018-19	General Fund	\$40.00/device @7 for \$280.00 annual cost.	-Assess District value annually by metrics such as improved team communication and situational awareness for District and school related security issues
	 Disaster Planning/Recovery - Establish digital records archival process for Finance and HR	Finance Officer/HR Director/Director of Technology	Q2-Q3 FY-2019-20	Finance	TBD	-TBD

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	 Improve HR onboarding processes for new hires using appropriate technology	HR Director/Director of Technology	Q1 FY-2019-20	General Fund	TBD	-Employee feedback from new hires. This will include post/follow-up surveys after the hiring process is complete
AA-2	 Digital Citizenship	Digital Learning Coach/Rigor Alignment Coach	Q1-Q2 FY-2019-20	N/A	N/A	-Using DDL (idrivedigital.com), ensure each student successfully completes the program and earns their digital <u>license</u> . The DDL's will be administered at school during the first 2 weeks and the licenses will be kept on file.
	 AUP revision for students, staff, and faculty	Director of Technology/Digital Learning Coach	Q1 FY-2019-20	N/A	N/A	-Revise AUP's based on the nine elements of digital citizenship. Acquire feedback from parents, staff, and students on the new format
	 Infinite Campus SSO\SAML integration for staff	Director of Technology	Q3 FY-2018-19	N/A	N/A	-All staff and faculty that require access to Infinite Campus will be <u>required</u> to use SSO
AA-5	 Phishing Awareness Simulations	Director of Technology	Q2 FY-2019-20	General Fund	\$1654.00 for one year	-Monitor behavior change among staff for a specified security campaign. Metrics will be based on reach, views/hits, completion, and interactivity
	 GoGuardian for Education for EL and MS (G Suite)	Director of Technology/Staff	Current & Ongoing	Title I	\$5000.00	-GoGuardian reports and analytics. Goals will be to reduce the number of threats or time-sensitive incidents in the G Suite ecosystem among students by 20% or more
	 Bark for Education (Office 365)	Director of Technology/Staff	Q4 FY-2018-19	N/A	\$0.00 (Free)	-Bark for Education reports and analytics. Goals will be to reduce the number of threats or time-sensitive

						email related incidents within Office 365 among students by 20% or more
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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 EdTech 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 EdTech 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 EdTech 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-2	 Plan for sustainable EdTech program (e.g. student device and interactive panel displays)	Director of Technology/Superintendent	Q1 FY-2018-19	KETS/E-rate/General Fund/Grants	TBD	-Engage key District Leadership to lead the digital transformation and hold each accountable. Build accountability model around the 6 pillars of EdTech.
AA-3	 Network upgrades for our EL and MS	Director of Technology/Vendor	Q1-Q2 FY-2019-20	E-Rate	33, 338.30	- Legacy equipment will be removed and replaced with hardware better equipped to meet the needs of staff and students
AI-1	 People Side of EdTech - Create better support structure for our 1:1 and S.T.E.M. programs by adding the appropriate personnel to meet our District capacity and needs (People-Side of K-12)	Superintendent / Director of Technology/Chief Academic-Innovation Officer/Digital Learning Coach	TBD	TBD	TBD	-Improved response and wait times for device repairs/issues from inception to resolution. Will use data reported from our Help Desk software to measure success. Our Director of Technology and Digital Learning Coach will be able to make better use of time in regards to EdTech planning and implementation.
	 Staff awareness of Technology roles and responsibilities and where we are lacking as a District	Director of Technology/Digital Learning Coach	Q1 FY-2019-20	N/A	N/A	-Better inform staff of roles and responsibilities within the Department of Technology
AI-2	 Print reduction initiative for EL and MS	Director of Technology/Assistant Principle	Q1 FY-2019-20	General Fund (SBDM Allocation)	\$2256.35	-Will use the Paper Cut software analytics\metrics
	 Migration to digital forms for student and parent\guardian required documents	Director of Technology/Assistant Principle/Digital Coach/Staff	Q2-Q4 FY-2019-20	General Fund	TBD	-Success of the migration to digital forms initiative will be measured by those who take advantage of the online offering -Reduction in school printing costs

AI-3	 Summit Learning LMS	HS Principal/Digital Coach	Current and Ongoing	N/A	\$0.00	-The Learning Management System (LMS) will drive school costs down by using eLearning content
AI-4	 Review District software purchases and usage to maximize investment	Director of Technology/Finance Officer	Current and Ongoing	N/A	\$0.00	-TCO analysis based on usage metrics vs. value to learning outcomes



**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





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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-1	 Partnership with local vendor for security and data privacy audits	District Technology Coordinator/Vendor	Q2-Q3 FY-2019-20	General Fund	\$2500/annual	-Vendor will review District security policies and practices while providing detailed feedback on improvement areas
	 Partnership with Summit Learning for Learning Management System	HS Teachers	Current and Ongoing	N/A	\$0.00 (No cost to implement)	-MAP data and growth -Internal evaluation using Summit tools -POG (Profile of a Graduate) skills specific to collaboration, critical thinking are evaluated
	 Partnership with SREB (Southern Regional Education Board) for Aeronautical Engineering	Alan Perry	Current and Ongoing	Title Sources	\$5000.00/annual	-Program coaches analyze on a regular basis the growth of the program as well as to provide training, curriculum, and other partner resources for the overall success of the program
	 Partnership with Franklin County Chamber of Commerce to provide STEM internship opportunities	Digital Coach	Q2 FY-2018-19	N/A	\$0.00 (No cost to implement)	-Increased student interest and participation
	 Partnership with GearUP	Superintendent /HS Principal	Current and Ongoing	GearUP Grant	Approximately 4 million over 7 year period	- Increased student interest and participation in technology related initiatives within GearUP
	 Partnership with 4-H for STEM offerings	HS Teachers	Current and Ongoing	N/A	\$0.00 (No cost to implement)	-Increased student interest and participation
	 Partnership with Kings Center to provide MS STEM	HS Teachers	Current and Ongoing	N/A	\$0.00 (No cost to implement)	-Increased student interest and participation

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	<p>opportunities</p> <p> Partnership with KSU (Kentucky State University) for dual-credit STEM opportunities</p>	HS Teachers	Current and Ongoing	N/A	\$0.00 (No cost to implement)	-Increased student interest and participation
AA-2	<p> Participate in vendor self-maintainer device program and certification(s) for student Help Desk</p>	District Technology Coordinator/Vendor/Digital Coach/Help Desk Lead	Q1 FY-2019-20	N/A	\$0.00 (No cost to implement)	-District will be able to self-diagnose self-dispatch, and self-install parts – Success will be primarily be based on improved response and wait times for device repairs/issues from inception to resolution
AA-3	<p> Public Internet access to students and families</p>	District Technology Coordinator/Vendor/	Current and Ongoing	Grant	\$60,000 over 4 years	-Public Wi-Fi Hotspots will be provided to students and families at select locations throughout the downtown area with help from Frankfort Plant Board -Usage metrics will be measured from the Cisco Meraki analytics tool
	<p> Ensure home Internet access is available to students</p>	District Technology Coordinator/Vendor/Rigor Alignment Coach	Current and Ongoing	N/A	\$0.00 (No cost to FIS families with enrolled students)	-Free home Internet access provided to families of students with help from Frankfort Plant Board -Participation from families is optional and will be reported accordingly
	<p> Campus Parent Portal</p>	District Technology Coordinator/Attendance Data Clerk/Superintendent/DPP	Q1/Q2 FY-2019-20	N/A	\$0.00 (No cost to implement this additional service)	-IC Parent Portal will be available to all parents/guardians.



	 Campus Payments	District Technology Coordinator/Attendance Data Clerk/Superintendent/Finance Officer	Q2/Q3 FY-2019-20	N/A	Cost will be based each transaction fee of 2.3%. No cost to implement service.	-Campus Payments service will be available, but not required, for all parents/guardians
	 Computer Technician Intern	District Technology Coordinator/Human Resource Manager/Digital Coach	Q1 FY-2019-20	N/A	\$0.00 (No cost to implement)	-The District will begin offering an intern\volunteer role for a computer technician. Each internship will allow the individual to complete a technical certification while gaining work-related experience for their chosen field. Opportunity will be open to Frankfort Ind. Seniors and those that have graduated from Frankfort Ind. within 2 years.











## 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

# DISTRICT TECHNOLOGY PLAN

KETS AA or AI	Strategy	Person(s) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-1	 Digital Literacy course taught at HS and MS	Digital Coach/Rigor Alignment Coach/Homeroom Teacher	Q1 FY-2019-20	N/A	\$0.00	-Students and teachers begin using digital tools successfully and appropriately
AA-2	 Digital Citizenship training all students in 6-12	All Teachers	Q1 FY-2019-20	N/A	\$0.00	-Students will get certified using the DDL program
AA-2	 Dedicated staff for S.T.L.P.	Staff (MS)	Q1 FY-2019-20	S.B.D.M. allocation through General Fund (Stipend)	\$1200.00	-Increased student participation in local, regional, and ultimately state, as well as the goal of ISTE participation
AA-2	 Verizon Innovative Learning with KSU	Rigor Alignment Coach/Partner (KSU)	Current and Ongoing (Began in FY-2017-18 school year)	Verizon/KSU grant	N/A	-KSU student surveys and event attendance -Student participation -More interest in extensions and high school Computer Science offerings
AA-2	 Improve participation in CTE	Digital Coach	Q1-Q3 FY-2019-20	Rosen Grant	\$10,000.00	-Increased student interest and participation
AA-4	 Professional Development	Rigor Alignment Coach	Current and Ongoing	N/A	N/A	- Examples of digital newsletters containing tech tools for teachers to use in the classroom with their students. Newsletter analytics and observation data to monitor and assess implementation
AA-5	 ExactPath (Edmentum) Learning [ <a href="https://www.edmentum.com/products/exact-path">https://www.edmentum.com/products/exact-path</a> ]	Principal/Assistant Principal/Rigor Alignment Coach	Current and Ongoing	General Fund & Title I	\$19,900.00 (\$5000.00 General Fund\$14919.00 Title I)	-Exact Path - We have seen growth from students using the diagnostic testing and it has allowed us to create an alternative learning environment for students, which has had a positive impact on the classroom

# DISTRICT TECHNOLOGY PLAN

AA-5	 Affirm (Eureka Education) [ <a href="https://eurekamath.greatminds.org/affirm-overview-sessions-on-demand">https://eurekamath.greatminds.org/affirm-overview-sessions-on-demand</a> ]	Principal/Assistant Principal/Rigor Alignment Coach	Current and Ongoing	General fund	\$23,206.61 (\$4999.86 General Fund \$18206.75 Title I)	-Affirm - Affirm is the digital side of Eureka and allows teachers to assess students online. It also provides great reports on student progress. This is working great for our teachers and students, which allows us to cut costs on consumable Eureka books
AA-5	 Mastery Connect [ <a href="https://www.masteryconnect.com/features.html">https://www.masteryconnect.com/features.html</a> ]	Principal/Assistant Principal/Rigor Alignment Coach	Current and Ongoing	General fund	\$6112.50	-Mastery Connect - This is our standards based grading platform and this upcoming year will be our last contracted year with them. This has changed the way teachers, students and families look at academic success and has allowed us to grow
AA-5	 NWEA [ <a href="https://www.nwea.org/">https://www.nwea.org/</a> ]	Principal/Assistant Principal/Rigor Alignment Coach	Q1/Q2 FY-2019-20	General fund	\$2512.50	-NWEA - We are purchasing this for the 2019-2020 school year to use as a universal screener and overall assessment system
AA-5	 History Alive (TCi-Brings Learning) [ <a href="https://www.teachtci.com">https://www.teachtci.com</a> ]	Principal/Assistant Principal/Rigor Alignment Coach	Current and Ongoing	General fund	\$525.00	-History Alive - We are purchasing this with the help of PTSA on a year to year basis until the standards are updated. It is the only curriculum we have for 5-8 Social Studies. We will review our results after this year and continue to see if it is a valuable resource
AI-1	 Summit Learning	HS Principal	Current and Ongoing	N/A	\$0.00	-State assessment scores increase
AI-1	 G Suite Integration	All Teachers	Current and Ongoing	N/A	\$0.00	-Technology has created opportunities

						in the classroom for collaboration and innovation using G Suite applications. Student POG and KPREP scores should be positively impacted by the integration of technology into the classroom.
AI-1	 Python Programming Dual-Credit Course	Digital Coach/HS Guidance Counselors/Partner (KSU)	Current and Ongoing	KHEEA	\$168.00/student	-Students successfully complete course
AI-2	 Strengthen IT (CTE) Pathway	HS Principal	Q1 FY-2019-20	Perkins	\$8000.00	-Students taking courses, enrolled in Associates Degree program, complete AD
AI-3	 Design a District Report Card	Tyler Reed	Q1 FY-2019-20	N/A	N/A	-Full participation with all teachers



**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	Work with teachers to implement current/new technologies in their classroom.	Arlene Crabtree	Q1 FY-2019-20	N/A	\$0.00	-Observe teachers using technology as an engagement and enhancement tool for their lesson and not a substitution/replacement.
AI-1	Teachers attending either group training sessions after school or on Saturday's, or complete on their own	Arlene Crabtree/Sam Sams	Q2/Q3 FY-2019-20	Title 4A Funds	\$800.00 (Approximately 80 teachers/year)	-Number of successful Google Level 1 Certified Teachers
AI-1	As teachers receive IFP's (Interactive Panels) in their classroom, meet with teacher/group and have a mini	Arlene Crabtree/Vendor	Ongoing	N/A	\$0.00	-Observe teachers using the IFP's with students to enhance their instruction and engagement of the students



	training to get started and then have them sign up for Viewsonic (interactive panel vendor) tip meetings					
AI-1	 Monthly staff meeting to announce/inform new technology changes	Arlene Crabtree/Sams Sams	Q1 FY-2019-20	N/A	\$0.00	-Teachers own the responsibility of learning about changes regarding password changes, email distribution, website changes, and/or anything related to technology that needs addressed.





**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)
AA-1	 Using Google Classroom as online/virtual coursework	Teachers (65%)	Current and Ongoing	N/A	\$0.00	-District-wide acceptance and adoption into curriculum by staff

# DISTRICT TECHNOLOGY PLAN

AA-1	 Minority male STEM technology offering for on-campus activities supported by KSU   STEM+ Hub at High School to support the general student population	HS Teachers  Digital Coach	Current and Ongoing  Q3 FY-2018-19	Keenan Grant  Rosen Funds	\$400,000 over 3-years (\$25,000 this year)  \$100,000	-Increased adoption of new technologies into pedagogy  -Space is continuing to evolve with more innovative technology as well as staff involvement and interest -Increased idea sharing and creativity -Increased collaborative projects
AA-1	 Summit Learning LMS [ <a href="https://www.summitlearning.org">https://www.summitlearning.org</a> ]	HS Teachers	Current and Ongoing	Facebook Grant	\$0.00	-MAP data and growth -Internal evaluation using Summit tools -POG (Profile of a Graduate) skills specific to collaboration, critical thinking are evaluated
AA-1	 Hapara [ <a href="https://hapara.com/">https://hapara.com/</a> ]	SS Teachers	Current and Ongoing (May be replaced with alternate solution for Q1 FY-2019-20 due to cost)		\$1000.00	- Hapara Analytics gives school leaders insight into how technology is being used in the classroom so they can use data to guide school improvement plans, measure return on investment and instruction, target professional development and inform further technology purchases.
AA-1	 Future Readiness program implementation for students using Xello [ <a href="https://xello.world/en">https://xello.world/en</a> ]	HS Teachers (Yocum, McConathy, Rodgers, Whitaker, Hall, Hecker, Pressley)	Q3 FY-2018-19	General Fund	\$2000.00	- Use Xello's powerful Reports tool to show how students are engaging, how much work has been done, and the aggregate results of assessments
AA-1	 Digital collaboration using	HS/MS/EL Teachers-Staff	Current and Ongoing	General Fund	\$1500.00	- Increased parent and community engagement/feedback

# DISTRICT TECHNOLOGY PLAN

	Smore [https://www.smore.com]					
AA-1	 Increased usage on online learning platforms – ExactPath, IXL, Affirm, Mastery Connect, NWEA, History Alive, ReadTheory, Readworks	EL/MS Teachers	Current and Ongoing	Title I, General Fund	\$0.00	-Built-in product reporting (cloud-based) and dashboards show student usage and success
AI-1	 Annual awareness for families in that the District provides community\off-site Wi-Fi for student use	District Technology Coordinator/Vendor/Rigor Alignment Coach	Current and Ongoing	N/A	\$0.00	-Public Wi-Fi Hotspots will be provided to students and families at select locations throughout the downtown area with help from Frankfort Plant Board and the City of Frankfort. The District will make aware of this offering to all families at the beginning of the calendar school year