

DISTRICT TECHNOLOGY PLAN

DISTRICT NAME Southgate Independent School District

LOCATION Southgate, KY

PLAN YEAR(S) 2019-21



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Planning Team

District Staff	
Sharyl Iden, District Technology Coordinator	Marlene Jones, Director of Special Education
Greg Duty, Superintendent	
Building Staff	
Eddie Franke, Principal	Jennifer Weber, Counselor
Kelly Green, Library Media Specialist	Kendra Abner, ESS Coordinator
Additional District Contributors [Recommended to include board members, SBDM members, program directors, etc.]	
Diane Hatfield, Southgate Board of Education Chairperson	Drue Miller, Southgate Board of Education
Jim Specht, Southgate Board of Education Vice Chairperson	Jeff Paul, Southgate Board of Education
William Shockney, Southgate Board of Education	
Students	
Malia Diawara, Southgate Public School	

Previous Plan Evaluation

What goals were met?

Each goal on the previous plan was met overall while some of the supporting activities were not as successful.

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

The professional development goal wasn't fully achieved as only some of the teachers received technology training.

Areas of improvement?

Professional development in the area of technology continues to be an area of improvement.

Areas/goals that are no longer relevant?

All goals are still relevant.

Needs that emerged after evaluation of the previous plan?

Continued opportunities for professional development in the area of technology.

New Plan Preview

Southgate Independent School District recognizes that technology has the potential to enhance the ability of students to develop essential skills and apply them in today's digital age. Students must be able to work collaboratively in applying problem-solving and critical thinking skills together with basic skill competencies through online communication, analyzing and processing of data, and designing and producing products.

In order for our school to create and maintain an effective, technology-based learning environment, Southgate Public School needs teachers who are proficient and knowledgeable about contemporary technology. Teachers are responsible for establishing classroom environments that facilitate students' use of technology to learn, communicate, and develop products. Teachers must have the knowledge and skills to access resources effectively and efficiently in order to guide our students into becoming global learners. The teachers' fluency with technology is translated into unique learning opportunities for students. In such an environment, students can be successful in mastering basic skills and developing critical thinking and problem-solving abilities.

The district continues to work to create and maintain a technology system that efficiently allows access for communication, collaboration, and creation by our staff, our students, and our community. The major activities in this plan can be summarized as follows:

- Continue to make investments in 1:1 for students and a 6 year refresh of staff devices.
- Focus on supporting teachers with targeted technology professional learning needs.
- Improve learning opportunities for students through various means such as creative uses of school time, use of innovative learning platforms, and strengthening the use of the 4Cs (critical thinking, communication, collaboration, creativity) by students at all grade levels.

Student Voice

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

We do not currently have a method but plan to use the Speak Up survey beginning with the 2019-20 school year.

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)
AA-3	Replace workstations that are 6 years or older	CIO	Annually	KETS, General Fund	\$10,000 annually	Device Inventory
AA-4	Encourage students and staff to use OneDrive or Google for file storage	CIO, Principal	Annually	None	None	Cloud Storage size will increase and use of file server will diminish
AI-1	Replace Chromebooks as needed to insure that there is a 1:1 ratio	CIO	Annually	KETS, General Fund	\$2500 - \$5000	Device Inventory


	for students in K-8th				annually (depending on need)	
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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)  /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)
AA-2	Update Acceptable Use Policy as needed	CIO	2019-20 School Year	None	None	Acceptable Use Policy will address the latest laws, regulations, and best practices.
AA-2	Submit annual board notification of district security efforts.	CIO	Annually by August 1	None	None	Board meeting minutes will indicate that notification was provided.
AA-3	Conduct the Speak Up survey	CIO, Principal, Teachers, Students	Annually	None	None	Sufficient number of responses from students and staff will be received. Results will be used to inform education technology decisions.

**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) Involved	Anticipated Timeframe	Anticipated Funding Source	Anticipated Funding Amount	How will you know this is successful? (including metrics)
AA-3	Continue to match KETS Offers and submit required reports/plans. Technology Activity Report Digital Readiness Survey District Technology Plan	CIO, Superintendent, CFO	Annually in Fall, Winter, Spring Annually Annually Annually	General Fund	Varies based on KETS Offer	The district will receive KETS Offers of Assistance after proof of match. Reports will be submitted and approved.
AI-4	Review Learning Outcomes data to evaluate investments in purchased apps/software	CIO, Principal and other instructional leaders	Ongoing	None	None	Instructional leaders will be better able to make informed decisions on the apps and software that they purchase.



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)
AA-1, AA-2	Continue to communicate with parents, students and the community through the district website, Facebook, Twitter and weekly emails	CIO, Superintendent, Library Media Specialist, Principal	Ongoing	None	None	Parents, students and the community will receive timely updates regarding school events.
AA-2	Encourage teachers to utilize virtual field trips and events such as meet the author (or other experts) via technology to enhance student use of the 4C's	CIO, Library Media Specialist, Principal, Teachers	Ongoing	Varies	Varies	Students will indicate this learning opportunity through survey and/or interviews.



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-2	Start a Robotics Club and/or STLP at Southgate	CIO, Superintendent, Principal	2019-20 School Year and then ongoing	General Fund	\$5000 first year and then \$2000 annually	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	CIO, Principal, Other Instructional Leaders	Ongoing	General Fund	\$2000 annually	Instructional leaders will be able to identify gaps, areas to improve, and areas to celebrate.
AI-1	Use Learning Outcome data to evaluate app and software correlation to student achievement	CIO, Principal, Library Media Specialist, Other Instructional Leaders	Ongoing	None	None	Instructional leaders will be better able to make informed decisions on the apps and software that they purchase.
AI-3	Ensure sufficient technology resources are available for online state testing	CIO, Superintendent	By beginning of 2019-20 school year	Grant Funds	\$6000	All students will have access to an updated device for state testing.



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 Library Media Specialist and at least two other teachers to KySTE conference	CIO, Principal, Library Media Specialist, Teachers	Annually	KETS, General Fund	\$1500	Participating teachers will share ideas and resources with their colleagues upon their return.
AA-1	Inform teachers of other technology-centered professional learning opportunities (IFL, #KyGoDigital, TeachMeetKY)	CIO	Ongoing	None	None	Southgate Independent will have teacher participation in one or more of these events.
AI-1	Use data from Speak Up survey to assist in determining PD needs, instructional technology integration, and skills evaluation to target professional learning	Professional Development Coordinator, Principal, CIO	Annually	None	None	Instructional leaders will be better informed of the needs of teachers so that professional learning can be targeted toward those needs.



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	Continue to offer online courses to differentiate learning for students with special needs	Dir. of Special Educ., Dir. of Gifted & Talented, Counselor, CIO	Ongoing	Special Education Funds, Gifted & Talented Funds, General Fund	\$10,000 Annually	Identified students will be enrolled in online courses. Student achievement will demonstrate a positive effect from this approach.
AI-1	Continue to allow access to technology beyond the school day through programs such as H2R and summer reading events	Superintendent, Library Media Specialist, CIO	Ongoing	ESS, Grants and General Fund	Varies	Student access to technology resources will be improved as evidenced by participation in the programs.