DISTRICT TECHNOLOGY PLAN

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DISTRICT NAME	Southgate Independent School District
LOCATION	Southgate, KY
PLAN YEAR(S)	2022-2023

www.southgate.kyschools.us

Table of Contents

Planning Team

District Staff [Recommended to include CIO/DTC, TIS/DLC, technician, finance officer, superintendent, academic officer, DAC, etc.]	
Sharyl Iden, District Technology Coordinator	**Marlene Jones, Director of Special Education**
Greg Duty, Superintendent	

Building Staff [Recommended to included principals, LMS, STC, counselors, teachers, teaching assistants, etc.]	
Julie Rubemeyer, Principal	**Jennifer Weber, Counselor**
Deanna Landrum, 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 [Recommended to include middle and/or high school students]	

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

Previous Year's Strategies Evaluation

In this section include a discussion of the previous year's strategies using the prompts below. Attempt to limit your narrative to the space provided.

What strategies from last year went well?
We were able to provide all K-8 students 1:1 access to devices. In 2021-22, students used those devices for MAP testing and plan to use them for end-of-the-year tests.

Goals that were not met or didn't have the expected outcomes?
We were unable to conduct the Speak Up Survey as planned. We will definitely conduct the Survey in 2022-23.

Which strategies are dropping off the plan because you've met them or they aren't relevant now ?
We will no longer be offering online courses to our students. Differentiation is being met during our elective periods.

Needs that emerged after evaluation of the previous year's strategies?
Now that we have the resources in place, the main focus will be on sustaining the resources we have and making sure that they are being used appropriately for educational gain.

Upcoming Year's Strategies Preview

If this is the first year of a multi-year plan, this section acts more like an executive summary of the plan as a whole. If this is the second or third year of a multi-year plan then aim your discussion to any new strategies or adjustments you are planning for this year.
[See [Technology Planning section of KETS Master Plan](#) for more information]

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

The effects of nontraditional instruction during the pandemic changed the priorities to necessitate 1:1 technology for all students in K-8. The teachers quickly became more proficient at creating digital content. The use of ESSER funds allowed the district to meet the technology needs of our students and staff. Now the focus is on sustainability of those resources and determining what things we learned during the past two years that we want to keep and what we want to change.

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 plan to continue to focus on communication with all stake holders, continue to maintain devices so that we have 1:1 ratio for our K-8 students, and really work to provide meaningful professional development for all teachers. The restoration of our library media specialist position to full time for the 2021-22 school year has greatly increased technology integration. Our new LMS has been working with all students on reaching technology literacy and also has been working with our teachers on integration with their instructional units. As for infrastructure, our devices are modern and in good shape. Our focus for the summer of 2022 will be to rewire the building.

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 have enrolled in Speak Up and plan to give the students the survey in the fall of 2022. Students were also asked questions during the end-of-year assessment survey. We plan to look at that data as soon as it is available to us.

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 36 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 students 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 (depending on need)	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 for students in K-8th	CIO	Annually	KETS, General Fund	$5,000 - $20,000 annually (depending on need)	Device Inventory
AA-1	Rewire entire school building	CIO, Superintendent	Summer 2022	Erate Category 2, General Fund, ESSER Funds	$30,000 – $45,000 (depending on bids received)	Building will be rewired and ready for the 2022-23 school year
AA-4	Continue to offer Clever login and SSO capabilities to ensure equitable access is obtained by all students to all paid resources	Library Media Specialist, CIO, Principal	Annually	None	None	Clever accounts will be created for all students in K-8 and Clever badges will be created for all students in K-4

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	Annually	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.
AA-5	Implement units of study (K-8) to promote digital literacy and the 9 elements of digital citizenship with CommonSense.org and Be Internet Awesome	Library Media Specialist	Annually	None	None	Lesson Plans will show the units of study being taught

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)*

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 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.
AI-4	Utilize Clever analytics to track the usage of websites and subscriptions to get usage reports in order to create a sustainable bank of resources	Library Media Specialist, 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

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.
AA-3	Partner with local high school STLP Helpdesk students from a neighboring district to repair damaged chromebooks	CIO, Superintendent	Ongoing	KETS, General Fund	$500 - $5,000	Damaged chromebooks will be repaired and returned to circulation

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 STLP at Southgate	CIO, Superintendent, Principal, Library Media Specialist	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-2	Expand technology curriculum with the Lego Spike Programs and Sphero robots - lessons will align with NGSS and ISTE standards.	Library Media Specialist, Classroom Teachers, Principal	Ongoing	KYSTE Grant General Fund	$6,400 (KYSTE) and as needed to continue programs	Teachers will be participating in PD to learn about the programs and how they can be incorporated into their core curriculum; Students will use programs
AA-2	Expand and create a Makerspace in the media center that will provide students access to the many resources available	Library Media Specialist, Principal	Ongoing	Various Grants General Fund	Varies	Students will use Makerspace as part of their library media class time as reflected in lesson plans
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 are purchased.
AI-1	Implement a Resource Onboarding Process in order to determine resources with the best return on investment	Principal, Library Media Specialist, Other Instructional Leaders	Ongoing	None	None	Instructional leaders will be better able to make informed decisions on the resources that are purchased.

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	$1,500 - $2,000	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, Library Media Specialist	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 support teachers use of Google Classroom across grades K-8	Library Media Specialist, Principal	Ongoing	None	None	All students will have access to online content when they are unable to attend school in-person (as if quarantined)
AI-1	Continue to allow access to technology beyond the school day	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.