Kentucky Education Technology System
DISTRICT TECHNOLOGY PLAN

DISTRICT NAME	Dawson Springs Independent School District
LOCATION	Dawson Springs, KY
PLAN YEAR(S)	2020-2021

www.dsprings.k12.ky.us

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Planning Team

District Staff [Recommended to include CIO/DTC, TIS/DLC, technician, finance officer, superintendent, academic officer, DAC, etc.]	
Laura James, DTC	Spencer Spratt, technician
Lenny Whalen, superintendent	Amanda Almon, finance officer
Larry Cavanah, District Assessment Coordinator	Kristin Merrill, Director of Federal Programs

Building Staff [Recommended to included principals, LMS, STC, counselors, teachers, teaching assistants, etc.]	
Todd Marshall, HS principal	Jennifer Ward, Elem principal
Rhonda Simpson, librarian	Sasha Fight, teacher
Jamie Thorp, instructional assistant	Joni Stuessel, elementary teacher
Amber Cavanah, jr high teacher	Joy Cowan, sr high teacher

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

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

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

Previous Plan Evaluation

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

What goals were met?
- Purchased additional chromebooks carts in the elementary with School Improvement Grant funds
- Purchased five additional chromebook carts in the high school using technology, Title and SBDM funds
- Continued to use online tools for RTI instruction, assessment (iReady, CERT, Study Island, iXL)
- GradeCam software has been implemented and teachers have been trained
- Continued to provide Digital Literacy via Common Sense Media (Elementary) and i-Digital (Jr/Sr High)
- Provided training for GAFE products to the staff
  - Provided district wide Google training prior to the start of the school year
  - Provided teachers access to Google certification courses through KATE
- Upgraded phone system to VoIP
- In the process of upgrading core switch with eRate funds
- In the process of upgrading camera system with capital outlay and Title funds
- Part time Integration specialist was added to the technician and district technology coordinator responsibilities

Goals that were not met or didn't have the expected outcomes?
- Technology staff attended KySTE but other staff were not encouraged to attend

Areas of improvement?
- Provide digital learning resources to teachers/staff
- Additional staff participation for KySTE

Areas/goals that are no longer relevant?
- None at this time

Needs that emerged after evaluation of the previous plan?
- Due to COVID-19 pandemic, the need for additional technology needs for students and staff
- Plan to refresh current and future Chromebook fleet in an more financially responsible way
- Student monitoring software (screen monitoring)

New Plan Preview

This is a high-level overview or executive summary of the plan as a whole. Attempt to limit your narrative to the space provided below.
[See [Technology Planning section of KETS Master Plan](#) for more information]

How did you and the planning team decide on the goals for this plan?
- The committee met prior to the dismissal of school due to the COVID-19 pandemic. An agenda and the previous technology plan was provided to committee members to review and discuss during the meeting.

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.

Curriculum and Instruction Integration
- Review current policy for chromebook refresh and 1:1 deployment
- Adding chromebooks in the jr/sr high school for the school to be NTI ready in the event of future extended school closure

Student Technology Literacy
- Create and administer a survey to determine student needs regarding internet connection and devices in student homes
- Continue to implement online programs for student instruction
- Continue to provide Digital Literacy via Common Sense Media (Elementary) and i-Digital (Jr/Sr High)

Professional Development
- Current technology committee members will be given the option to attend KySTE as incentive to participate on said committee
- Work with Director of Federal Programs to secure funding for teachers who serve on the technology planning committee to attend KySTE
- Continue working with KATE to provide free online PD for staff

Technology Infrastructure
- Complete phone installation with SIP trunking component
- Replace core switch to ensure network stability
- Installation of camera system to ensure student/staff safety
- Establish a plan for future eRate projects
- Update current website to meet ADA compliance and improve user experience

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 have a method in place to collect student responses about the digital learning environment.

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 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-2	Move from Centrex lines to SIP trunking	Superintendent, DTC, Vendor Partner	completed by May, 2021	KETS	$8,000-	Provide firewall services between current internet connection and VoIP system
AA-2	Maintain Network resources maintenance contracts	DTC	July 2020 – June 2021	Local KETS	$10,850	Administrative reports to verify health of network systems
AA-2	Installation of additional surveillance cameras and update existing cameras.	Superintendent, DTC, Director of Federal Programs, Vendor Partner	July 2020 – June 2021	Local Capital Outlay funds, grants	$64,000	Safety of students and staff by increased surveillance as evidence by TELL survey responses regarding student/staff safety and school climate
AA-4	Maintain email system for staff and students for communication for operations and instruction	DTC	July 2020 – June 2021	Local KETS	$4300	Office 365 Administrative reports
AI-1	Additional mobile carts for added technology access for students	DTC Principals	July 2020 – June 2021	Local KETS SBDM Grants	$13750	Tech Readiness Report and Google Activity Reports

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-4	Continue to use Infinite Campus Messenger service to reduce the transfer of student and staff information between services	Superintendent Principals DTC Director of Federal Programs	7/2020 – 6/2021	Federal Grants	$763	Continued communication with staff and parents and the reduction of data to other cloud services.
AA-5	District will implement the Digital Driver's License program for 7-12	HS Principal, HS Tech Teachers DTC	8/2020 -5/20221			Students will meet the standards for Digital Citizenship Number of students receiving a Digital Driver's License will increase

AA-5	Teachers will use the Common Sense Media website to instruct students in grades K-6 on Internet Safety	Elementary Principal, K-6 Teachers, DTC	8/2020 – 5/2021			Students will meet the standards for Digital Citizenship Lesson assessments documented and reported to Principal
AA-5	Digital Driver's License Training for Staff	Principals, DTC	7/2020 – 6/2021			Number of staff receiving a Digital Driver's License
AI-1	Staff will be trained, and reminded during the year, about keeping personal information safe and secure and the best practices as it pertains to data security.	DTC, Superintendent Principals	7/2020 – 6/2021			Documentation of training.
AA-1	Update password policy	All end users excluding students	7/2020 - 6/2021			End users will update passwords to meet KDE guidelines as evidenced by the decreased number of help desk tickets
AA-2	Update AUP	All users	7/2020 - 6/2021			Update current AUP to reflect district progress to 1:1 implementation as evidenced by new signed AUPs
AA-2	Upgraded web filtering	KDE, DTC, technician	7/2020 - 6/2021			Administrative reports run through Relay and an overall better user experience as noted by reduced number of help desk tickets

AA-3	BrightBytes survey for staff and students	Superintendent, DTC, building administrators	7/2020 -6/2021			Data gathered will assist in technology planning efforts in continued 1:1 initiative
AA-1	Clever integration	DTC Principals Teachers	7/2020 - 6/2021			Continue to utilize Clever to assist elementary students in quickly accessing program on Chromebook as evidenced by SSO process

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-2	Replace Teacher Workstations and Instructional Devices 5 years or older	DTC	7/2020 – 6/2021	Local KETS	$15,000	Tech Readiness Report
AA-2/AI-4	Hold quarterly tech planning meetings to continue evaluation of technology needs	Technology Planning Committee	7/2020 - 6/2021			Meeting notes will reflect the purposeful conversations regarding technology needs as they change during the school year
AI-4	Review usage of online services by teachers and students	Superintendent, DAC, Building Principals, Curriculum coaches, Finance Officer, Director of Federal Programs, DTC	7/2020 -6/2021			Review of expenditures versus results of online services (iReady, Study Island, GradeCam, etc.) that are provided to students and staff to determine if services are being used with fidelity and the correlation of student growth
AA-1	Upgrading phone lines from Centrix to SIP	Superintendent, DTC, finance officer	7/2020 - 6/2021	Local		Reduced costs associated with phone services as evidenced on monthly bill
AA-1	Upgrading current website	DTC,	7/2020 - 6/2021	KETS	$1000	By streamlining the website and

		webmaster, vendor partner		Local		reducing the number of hosted sites a reduction of overall cost will be evidenced by the annual contract

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-2	Provide and maintain	DTC. Webmaster	July 2020 – June 2021	Local	$1800	Via website analytical reporting to demonstrate increases in web site

	website with district and school pages for better communication with parents and staff.	Principals				hits
AA-2	Use of social media sites by district and school personnel for added communication	Superintendent Principals Counselor	July 2020 – June 2020			Information will be shared with stakeholders in consistent manner
AA-2	Continue to use the IC Parent Portal and Messenger for added communication with parents on student achievement.	Superintendent DPP, Principals, Teachers	July 2019 – June 2020	Local, Grants	$4200	Elimination of maintaining multiple databases for communication of grades and important information that is shared via phone call, email and text message
AA-1	Continued partnership with KATE to provide digital resources and training for staff	DTC Principals Teachers	7/2020 - 6/2021			Evidenced by increase of staff participation in KATE hosted trainings

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)*

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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	Provide software and digital resources for instruction by use of: MathXL iXL iReady A+ Study Island Quizlet Google Apps for Education	Principals, Curriculum Specialist, Director of Federal Programs, Teachers	August, 2020 – May, 2021	Local Funds, Grants, SBDM	$18,500	Students will perform at or above grade level.
AA-3	Provide Technology/Digital Literacy Content to Jr/Sr High students.	Principals, Technology Teachers	August, 2020 – May, 2021	Local Funds, Grants, CTE		Teacher Evaluation; CTE Assessment
AA-4	Progress monitoring assessments will be	Principals, Curriculum	August, 2020 – May, 2021	Local Funds, Grants, SBDM	$7380	Provide students with appropriate

	administered to all students: iReady CERT A+ Level Assessments	Specialist, Director of Federal Programs, Teachers				grade level instruction in the classroom Show growth Placement of students in RTI program Remediation
AA-4	Implementation of GradeCam Software	Principals, Teachers, Director of Federal Programs	August, 2020 – May, 2021	Local Funds SBDM	$1600.00	Provide timely feedback to students in preparation for state assessments.
AA-5	Implementation of student monitoring software	Superintendent Principals Teachers Director of Federal Programs	7/2020 - 6/2021	Local Funds Grants SBDM	$6000 - $10,000	Metrics include reduced number of office referrals, help desk tickets

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)
AI-1	Professional Development	Superintend	7/2020 – 6/2021	Local,	$300	Number of staff using GAFE in

				KETS		classroom will increase
AA-1	Staff will attend KySTE and other technology sponsored activities	Superintendent Principals, DTC	7/2020 -6/2021	SBDM, KETS, Local	$3000	Staff will stay abreast of latest trends and activities related to technology instruction. Increase in number of staff attending technology trainings.
AA-1	Technology Staff participation in regional and state technology organization meetings	Superintendent DTC	7/2020 – 6/2021	KETS Local	$500	Technology Staff stays abreast of latest developments in school and state technology use

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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 remote assistance to staff and students during NTI instruction	Principals Teachers Students	7/2020 - 6/2021			Reduced number of contacts to technology department to assist with teachers and students with online learning