

Technology Plan
Woodford County
Versailles, Kentucky

WOODFORD COUNTY
PUBLIC SCHOOLS



Where Great Minds Meet

<http://www.woodfordschools.org>

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Updated: New Plan

Acknowledgments

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School Committees

WCHS Technology Committee

WCMS Technology Committee

Southside Technology Committee

Huntertown Technology Committee

Northside Technology Committee

Simmons Technology Committee

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Executive Summary

The Woodford County Schools Technology Plan is designed to address the needs of our district both operationally and instructionally. This includes addressing infrastructure, communication, workflows, instructional integration and the preparation of our students to be 21st Century Digital Learners & Citizens. The plan includes maintaining current systems while preparing for the future by looking at technology trends and pooling our resources in areas that can have the greatest impact on student success. The progress being made on district goals is reported to the Superintendent on a weekly basis and includes updates as requested by the Board of Education.

Planning Process / Methodology

Development

During the past year, members of our district technology committee have met regularly to evaluate our district and school needs. This includes feedback from the Superintendent's Cabinet, school level technology committees, Technology Department Cabinet, student technology leaders, and bi-monthly meeting of our on-site technicians. We also hold technology meetings monthly with each principal individually where the focus is on technology topics specific to each school. The results of these meetings are discussed at the district level and relayed to the Superintendent of schools and the Board of Education.

Implementation

Our entire district administration, school level administration and technology staffs share in the responsibility of implementing the elements included in this plan. Each year the schools develop priority lists in conjunction with district goals and we utilize funding to meet those priorities. It is key that schools work to leverage funding outside of KETS, which can include grants, Section 6 funds, RFP's, Title I, PTO and facilities. Only in this way will we continue to progress rather than maintain.

Evaluation

All school leaders share a responsibility in the evaluation of the plan; however district technology leadership evaluates the progression of goals and projects on a weekly basis. An evaluation section is included in this plan to help evaluate progression toward goals and to gather feedback from constituents. We will continue to utilize our existing committee structures to gather information from teachers, students & parents district wide.

Technology Vision and Goals

Goal 1

Equip and maintain 100% of district's instructional classrooms with an intelligent design, including a minimum of a projection device and enhanced sound.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Purchase & Install equipment for remaining standard Classrooms District Wide	Increased interactivity, use of web resources in class, better presentation quality.	Tech Readiness Survey, Inventory, Teacher/Tech Visual Survey	July 2014 – June 2017	CIO/Technical Staff/Maintenance	KETS/Facilities/School Funds
Update Intelligent Classrooms as needed	Increased interactivity, use of web resources in class, better presentation quality.	Tech Readiness Survey, Inventory, Teacher/Tech Survey	July 2014 – June 2017	CIO/Technical Staff/Maintenance	KETS/Facilities/School Funds

Goal 2

Maintain current technology and continue to replace approximately 1/5 of all core instructional workstations each year based on age and functionality. Move toward a mobile solution for teachers if finances permit.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Replacement of approximately 1/5 of the student and teacher based computers per year. Increase mobile instructional solutions for Teachers.	Responsive technology that meets minimum KETS standards for instruction. Creation of 21 st Century Digital Learners.	Tech Readiness Survey, Order History.	July 2014 – June 2017	CIO/Technical Staff/School Principal	KETS RFP School Funds PTO Title I

Goal 3

Update and upgrade district and school network infrastructure and create high capacity wireless access at each school.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Maintain all switches to a minimum of 1GB/s with 10 GB/s uplinks.	Responsive and faster desktop access for instructional applications & work flow	Port Speed analysis.	To be completed by July 2017	CIO/Technical Staff	KETS/Local Funds/Facilities/ERATE
Maintain sufficient POE switching and wireless access points to create high capacity wireless access to all classrooms.	Mobile computing initiatives require wireless access, increased access for students and teachers will have a direct impact on instructional outcomes.	Technology Readiness Survey, Order History, Survey	July 2014 – June 2017	CIO/Technical Staff/Vendor	KETS/ERATE/Facilities

Goal 4

Upgrade to 10 GB/s and maintain high-speed Wide-Area Network to all schools.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Bid and award new 5 year WAN contract for Fiber Connectivity as a leased service.	Crucial to access of all digital resources, instructional and administrative.	Contract	July 2014– June 2017	CIO/Technical Staff/District Administrators	General Fund ERATE

Goal 5

Continue and maintain mobile and digital phone service systems.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Continue and maintain MTM & Tariff based contracts for	Required for administrative communication to run school	Monthly Bills	July 2014 – June 2017	CIO/CFO/District Administrators	General Fund ERATE

mobile & Inter/Intralata Phone service.	system & for communicating with parents and students.				
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Goal 6

Maintain webhosting service to create a quality stakeholder communication tool that is user-friendly for the district and each school.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Install and maintain webhosting service after awarding bid.	Communication between all stakeholders	Contract	July 2014 – June 2017	CIO/CFO/District Administrators	General Fund ERATE
Utilize a mass communication telephone/texting/emailing service to communicate with stakeholders.	Increased communication between all stakeholders	Contract	July 2014- June 2017	CIO/CFO/District Administrators	General Funds ERATE

Student Technology Literacy Skills

Goal 1

Continue technology literacy curriculum and evaluate level of integration K-8 and refine integrated approach to student technology literacy.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Continue implementation of current technology literacy skills into K-12 instruction.	Students will show technology proficiency at the 8 th grade level.	8 th Grade Technology Assessment Data	July 2014 – June 2017	Teachers, CIO, TIS, Principal	N/A
Evaluate level of implementation and revise current technology curriculum	Production of learners with a 21 st Century Technical Skill Set.	Survey of Teachers, Collection of Instructional Materials, Lesson Plan Evidence	July 2014 – June 2017	TIS, CIO, Principal	N/A

Goal 2

Implement standardized technology literacy assessment at 8th and 12th grades.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Implement Technology Literacy Assessment at the 8 th and 12 th grades.	Identification of improvement areas needed in K-12 student technology skills.	Technology Readiness Survey, Technology Literacy Survey	July 2014 – June 2017	CIO, Technology Staff, WCMS Teachers, TIS	KETS

Integration of Technology into Curricula and Instruction

Goal 1

Maintain the 1:1 tablet program at Woodford County High School.

Action Plan: Projects/Activities

Project/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Sustain and maintain the 1:1 tablet program at WCHS	Increased student access to content, collaboration among teachers and peers, e-text access, better formative assessment data, 21 st century digital learning skills.	Technology Readiness Survey	July 2014 to June 2017	CIO, WCHS Principal, Technology Staff, District Administrative Staff	General Fund Student Instructional Fees Student Insurance Fees
Increase number of mobile computing devices in K-8 schools	Increased student access to content, collaboration among teachers and peers, e-text access, better formative assessment	Technology Readiness Survey	July 2014 to June 2017	CIO, District Technology Staff, School Principals	KETS School Funds PTO Title 1

	data, 21 st century digital learning skills.				
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Goal 2

Expand teacher utilization of a classroom website and/or Learning Management System (LMS) district wide.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Present teachers with quality websites and/or LMS solutions to establish an online classroom presence. Teachers will be required to have a presence by 2017.	Instructional collaboration among students, parents, and teachers in all academic areas.	LMS and/or Website Usage Charts	July 2014 – June 2017	CIO, Network Admin, TIS, Technical Staff	General Fund KETS

Staff Training/ Professional Development Goals

Goal 1

Conduct professional development for teachers throughout the year covering a variety of technology/instructional topics.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Host Professional Development trainings for teachers in individual and small group sessions.	Increase teacher capacity for creating interactive instructional activities and utilizing data.	TIS Schedule of PD sessions	August 2014 – June 2017	CIO and TIS	Technology Department Fund General Fund

Goal 2

Hire an additional Technology Integration Specialists to help teachers utilize the investments made district wide.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Hire an additional TIS to manage technology integration. Current TIS will focus on K-5 integration, whereas, additional TIS will have emphasis on 6-12.	Increase teacher instructional capacity; ensure successful integration of assessment tools and technology integration.	Board Action for approval of additional TIS.	July 2014- June 2017	CIO, District Administration.	General Fund

Current Technology and Resources (Updated 3/17/2014)

Number of Instructional Devices (computer stations)	1160
Virtualized Desktop Stations	112
Number of Tablets	2119
Number of Schools Connected via Fiber WAN	100%
% of LAN ports switched 1GB or above	100%
% of schools connected to traditional phone system	0%
% of rooms with mounted projector	100%
# of Smart Boards	130
# of Slates	4
# of Document Cameras	163
# of School Based Technology Staff	4
Network Administrator	1
CIO	1
Curriculum and Administrative Assistant	1
TIS	1
# of Servers	29
# of Servers End of Life	0
# of Schools with High Capacity Wireless	7
# of Schools with 100% wireless coverage	2

Evaluation

Technology Vision and Goals Evaluation Narrative

The vision and goals that we have set revolve around creating a connected community of learners. This requires connected classrooms, functional high-speed computers and high-speed network access. Only in this way will technology be used as a tool in the classroom and produce students with 21st Century Technology Skills. We will use our Technology Readiness Survey and inventories to track these areas. Many of our overarching goals are budget dependent and that has been noted, as many of these are unfunded at this time. We will continue to adjust our plan as priorities and technologies change. We will keep our leadership and school board updated on a regular basis.

Student Technology Literacy Skills Evaluation Narrative

We are planning to continue our implementation of technology literacy instruction K-12, however we feel the need to evaluate the effectiveness of the instruction. We will have a two-fold approach to accomplishing this goal. The first is to implement a proficiency survey at the 8th and 12th grade levels. The second is to employ a TIS to both monitor our technology literacy and to integrate a more comprehensive digital citizenship curriculum.

Integration of Technology into Curricula and Instruction Evaluation Narrative

One of our main goals is to put technology into the hands of students and teachers as an instructional and learning tool. A major goal is to maintain a 1:1 student to computer ratio at our high school and then implement the same at our junior high and elementary schools. This initiative is designed to increase student access to content, collaboration among teachers and students, e-text access, quality formative assessment data and increase the 21st Century digital learning skills of our students. These goals are dependent upon financing, but the general goals of creating a 21st century curriculum and learning environment should be established through this process. Evaluation is going to take place at many levels and will be the responsibility of all staff. This will include teacher and student qualitative feedback and focus groups that will help us revise the policies and procedures that guide us.

Staff Training/Professional Development Evaluation Narrative

We will offer individual, whole faculty, and small group staff trainings and professional development sessions based on identified needs. Professional development sessions will have a sign in sheet to document attendance. Surveys will be provided to evaluate the effectiveness of the professional development sessions and to allow participants to identify needs for future sessions.

Budget Summary

School Year: 2014-2015

Annual Budget Summary

*If Funded

Acquired Technologies and Professional Development	Local Funds	Ed Tech Formula Title IID	E-Rate	Grants	KETS	Other (Specify)
Local/Long Distance Telephone	\$40,000		\$25,000*			
Mobile Phone Service	\$25,000		\$16,000*			
Leased Fiber Service	\$95,000		\$60,000*			
Network Infrastructure (Maintenance & Licensing)					\$25,000	
Computer Workstations, Software & Instructional Technologies	\$50,000				\$100,000*	
Mobile Computing Initiative	\$200,000					General Fund Student Fees
Software & Licensing	\$35,000				\$10,000*	
Professional Development	\$2500*				\$2500*	
Video Security Camera Systems	\$30,000*					
Electronic Locking System	\$70,000*					
Web Hosting Services	\$5000		\$3000*			
TOTAL	\$552,500		\$104,000		\$137,500*	