Technology Plan:
Williamsburg Independent School District

WILLIAMSBURG INDEPENDENT SCHOOL DISTRICT

1000 Main Street, Williamsburg, KY 40769
606-549-6044 • Fax 606-549-6076

District URL: www.wburg.kyschools.us

Prepared By:
Steve Mosley – WISD DTC / CIO

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Acknowledgments

The Williamsburg Independent School District (WISD) Technology Committee has made every effort to align the following District Technology Plan with the 2008-2014 KETS Master Plan for Education Technology and the National Education Standards (NES) developed by International Society for Technology in Education (ISTE).

The WISD DTC/CIO shall consult with Technology Committee members as necessary or when new technology projects are implemented to ensure a productive technology environment for all students, faculty, and staff. The DTC/CIO is responsible for updating the District Technology Plan on a quarterly basis.

WISD Technology Committee

District Technology Staff

Steve Mosley, WISD DTC/CIO, Network Engineer, Network Administrator, Network / Computer Technician & Technology Integration Specialist (TIS)

Financial

David Higginbotham, WISD Finance Officer

School Library Media Specialists

Tammy Lowrie, WISD Media Center Specialist

Technology Resource Teacher (TRT)

District does not recognize or employ a Technology Resource Teacher (TRT)

Additional District Contributors

Tim Melton, WISD Principal

Loren Connell, WISD Director of Instruction

Joanna Mahan, WISD Elementary Dean

Patrick Robinson, WISD DPP

Students

Teachers

Todd Mattingly, HS Teacher

Bill Conn, MS Teacher

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Executive Summary

The Williamsburg Independent School District (WISD) is located in the county of Whitley and has a student enrolment of approximately 860. WISD was formed in 1909. Since then, the District has been committed to academic excellence as evidenced by membership to the Southern Association of Colleges and Schools dating back to 1927, and in more recent years receiving recognition as a national Blue Ribbon school from the U.S. Department of Education. The District operates a Preschool through grade 12 academic programs being housed in one building. The WISD staff and faculty works diligently to provide a rich and diverse curriculum for all students. The District strives to meet varied learning needs of their entire student body by providing quality educational opportunities in a small school environment.

Technology plays a major role within the Williamsburg Independent School District. Technology integration creates an environment where teachers and students become more proficient in using a wide variety of hardware and software tools to enhance learning, problem solving, communication, and productivity. We believe enhancing education through technology will greatly improve the overall "playing field" for our students by providing an opportunity to develop lifelong learning skills by accessing information, and by understanding and communicating through the use of technology. Students at all grade levels and curriculum should be positively impacted by receiving the educational experiences through technology and shall develop their abilities to become self-sufficient individuals. Through the daily use of technology, teachers will be able to provide learning opportunities for all students that encourages them to apply the skills and knowledge they gain to solve real-life problems in a dynamic world.

The WISD Technology Department has three primary goals.

1) **Promote, direct, and integrate the use of technology into the daily classroom instruction to prepared students for higher education, the military and / or the modern workforce.**

2) **Provide a continuous improvement process directed towards network stability and security, and user functionality while maintaining a flexible robust infrastructure.**

3) **Comply with or exceed the KDE / KETS standards while staying within budget.**

Here are a few recent technology accomplishments, Spring 2007 to present.

- Replaced 100% of the district-wide wireless network with the latest Avaya WLAN Wireless Orchestration System (WOS). The Avaya WOS system is the latest medium to large scale wireless network management platform that provides full web based monitoring and management of the district's 73 strategically placed wireless access points. The Avaya WOS system dashboard monitors the wireless network performance, security, bandwidth, traffic, and hundreds of individual client devices. Project completed in August 2016.

- Purchased and installed 30 new Dell workstations for all teachers from Preschool to 5th grade. Each workstation runs either Microsoft Windows 7 or Windows 10 operating system, and has all of the currently educational applications utilized within the district. Project completed July 2016.

- Purchased the district's first portable 65" touch sensor screen / panel for the classroom. The Lite Touch Pro panel is a High Definition 1080p interactive touchscreen with built in Android operating system and annotation software. The Lite Touch panel also includes a built-in computer running Microsoft Windows 10 OS that turns all software, web pages, and educational applications fully touch capable. The portable Lite Touch Pro panel is a cost effective way to replace aging desktop computers, classroom video projection systems, and interactive whiteboards while providing hands-on access to each student. June of 2016.

- Recently upgraded district web site to improve internal communications between students, teachers, and school administrators, and to improve external communications with parents, and the local community. May of 2016.

- Implemented new LightSpeed "Rocket" Internet filter. The LightSpeed "Rocket" Internet filter is fully compliant to the Child Internet Protection Act (CIPA). The Rocket Internet filter is a district-level hardware and software device that allows programmable levels of Internet filtering / access for specific groups of users. The Rocket Internet filtering device provides performance monitoring, real-time user monitoring and reporting, and live network traffic reports. The Rocket device also provides mobile device filtering, including student-owned devices on the district's network. Completed project September 2015.

- Implemented Bring Your Own Device (BYOD) program for high school students in grade levels 9 to 12 only. Students must earn their Digital Drivers Licenses (DDL) to be allowed to use their personally owned devices such as; laptop computers, tablets, smart phones, etc. The BYOD program is fully documented and students must adhere to the program guidelines. Spring of 2013.

- Implemented a new high speed bandwidth connection to the Kentucky Department of Education (KDE) and the Internet. District-wide bandwidth increased from 10 MB to approximately 42.5 MB. Fall of 2014.

- Implemented new grade level instructional software such as APEX Learning, Reading Plus, Lexia Core 5, SuccessMaker, Gizmo and other software applications that provide evidence-based data as a basis for changes to either curricula or method of instruction. Fall of 2012 to spring of 2014.

- The District recently completed a new school addition that included administrative offices and 13 new instructional classrooms and one (1) large computer lab and one (1) small business lab. The Preschool and Kindergarten occupies 6 classrooms, while the remaining classrooms are occupied by the English / Language Arts department, Practical Living / Consumer Sciences department, and various Special Education departments.

- All new addition classrooms are equipped with the latest instructional audio and video equipment, interactive whiteboards, I-Rovers mobile instructional units and the most up-to-date computer systems utilizing grade level educational software applications.

- The new building addition utilizes the latest KETS approved structured cabling system consisting of 120,000 feet of Cat 6 10GX cable, 248 data drops, 96 port Avaya GX (POE) network switches, 16 dual radio wireless access points, and a Avaya 8100 wireless security switch. The data network in the new building addition shall be connected to the data network in the existing building with new multi-mode or single-mode fiber optic cable as required. Projected completed April 2012.

- Replaced 100% of the Cat 5e network cabling system in the existing K-12 building with KETS approved structured cabling system consisting of 196,000 feet of Cat 6 10GX cable, 711 data drops, 16 48 port Avaya GX power over Ethernet (POE) switches, 32 single radio wireless access points, and a Avaya 2882 wireless security switch. All network equipment frames are connected using multi-mode or single-mode fiber optic cable as required. Projected completed December 2011.

- Implemented new Tandberg video conferencing system to enhance instruction and provide distance learning opportunities, virtual field trips, professional development, and student collaboration with professors / instructors at Eastern Kentucky University and the University of Louisville. Fall of 2011.

- Implemented new informative district web site with web hosting company (School-in-sites.com) to improve communications with parents, students, teachers and the community. Spring of 2011.

- Implemented hosted versions of Renaissance Learning's Accelerated Reader and Accelerated Math educational programs that provide evidence-based data. Summer and fall of 2012.

- Purchased and install sixteen (16) new instructional computers for HS/MS teachers. Summer 2012.

- Opened a new instructional computer lab equipped with 25-30 computers utilizing grade level educational software for Elementary students. Summer of 2011.

- Opened a new instructional computer lab in Media Center equipped with 25-30 computers utilizing grade level educational software. Spring of 2010.

- Implemented MAP Testing, ACT Compass, and Vanguard End of Course (EOC) assessment software that provides evidence-based data as a basis for changes to either curricula or method of instruction. Fall of 2010 to present.

- Implemented Infinite Campus for student information management. Spring of 2009.

Here are a few concerns in the technology department…..

- The District has insufficient technical resources to manage the district-wide demand for technical support, and ongoing KDE / KETS projects. Currently, all district technology services such as the following are provided by the DTC/CIO and approximately 10% support from the WISD DPP.

    - Implementation & administration of the Kentucky Education Technology System (KETS) and project initiatives
    - Network administration, engineering, planning, security, user training & systems functionality
    - Accountable for daily activities of Enterprise network consisting 38 networked or hosted user applications, 8 district servers, 336 workstations, and approximately 1000 users.
    - Financial planning & forecasting for district-wide technology initiatives

- Network Technician job duties - Manage approximately 300 yearly Technology work orders
- Technology Integration Specialist (TIS) / Technology Resource Teacher (TRT) job duties
- Provide technology Professional Development (PD) for all district faculty & staff
- Server & workstation maintenance / repairs
- Hardware & software evaluation, purchasing & inventory
- Contract & vendor management
- VoIP Phone system implementation / system hardware & software upgrades / moves / rearrangements
- Computer imaging
- Systems Data Backup
- Asset tracking
- E-Rate application filing process.

- Due to insufficient technical resources the following KDE / KETS programs are partial supported or not supported at all.

  - ISTE / NETS Standards for Students, Teachers, & Administrators
  - KDE Technology Standard 10 & 6 for all Teachers
  - Technology standards testing for 8th & 12th grades
  - Digital Citizenship (9 elements) material to all 3rd to 12th grade students.
  - Digital Driver's License for all WISD students
  - Internet Safety program for all District students
  - Deployment of Microsoft Office 365 / SkyDrive to all District students, Grades 4 – 12.

- The district does not recognize or employ a Technology Integration Specialist (TIS) / Technology Resource Teacher (TRT). The TIS/TRT is a certified teaching position that is instrumental in providing technical support to the teaching faculty. Most importantly the TIS/TRT provides ongoing Professional Development to the faculty to further integrate technology into the classroom and instructional processes, along with supporting the items listed above.

- All Faculty and Administration staff must continue to improve individual technology skills in order to deliver 21th century instructional content. Improving technology skills across the board will greatly improve the overall "playing field" for our students and shall develop their abilities to become self-sufficient individuals. As in any school or business, improving individual technology skills directly increases productivity while reducing operating expenses.

- The district is currently developing plans and securing funds to implement a 1 : 1 (computer to student) initiative for all high school students.

Planning Process / Methodology

The most recent WISD Technology Committee was formed in July 2010. Areas represented include elementary, middle school, high school and special education teachers, media specialist, technology integration specialist, technology coordinator, instructional director, principal and finance officer. The technology department members serve as the chairpersons.

The Technology Committee meets as necessary or when new technology projects are implemented. The District Technology Plan requires continuous updates as necessary to reflect needs of the District and to conform to the KETS Master Plan for Education Technology. The DTC/CIO is responsible for updating the District Technology Plan on a quarterly basis.

Current Technology and Resources

The Williamsburg Independent School District (WISD) has two schools, K-12 and the Center for Progressive Education. The main campus building houses grades K-12 and the building across the street from the K-12 building houses the Center for Progressive Education. Within our local area network each building is connected by a fiber optic connection. Currently the fiber link to our district is provided by AT&T at approximately 100 MB rate.

The Williamsburg Independent School Districts' computer network is equipped with eight networked servers and approximately 336 networked computers. The district currently utilizes 38 networked and/or web-hosted software applications used for the daily management of confidential student information, district food services, district financial services, district tax collection, Active Directory network management services, network security, library cataloguing services, and a multitude of various grade-level educational software applications. The technology staff makes every attempt to replace all computers based on a 3 to 5-year cycle.

All district computers have Internet and e-mail access along with required educational software and productivity suite applications as needed per grade level. Currently 240 computers directly serve approximately 860 students which equates to a student to computer ratio of 3.5 to 1.

The District currently has five (5) student computer labs equipped with 25 - 30 computers per lab. Computer labs are equipped as necessary with LCD projectors, Smart interactive whiteboards, sound systems, and large volume networked printers.

Elementary classrooms are equipped with student computers and instructional grade-level software applications as necessary, with most having a minimum of two student computers and some having four student computers. Middle and High School classrooms are equipped with student computers and instructional grade-level software applications as necessary.

All classrooms are equipped with LCD projectors, and Smart Technologies interactive whiteboards for daily classroom instruction and all teachers are equipped with a 1 to 3-year-old desktop or laptop computer. Approximately 100 % of the instructional computers are equipped with CD RW drives / DVD players. All teachers' computers have a local color printer, or if desired, the teacher may print to a nearby networked laser printer.

During the fall of 2011, a district-wide re-cabling project was implemented throughout the existing K-12 building. 100% of the old Cat 5e network cabling system was replaced with a new KETS approved structured cabling system consisting of 196,000 feet of Cat 6 10GX cable, 711 data

drops, 16 48 port Avaya GX power over Ethernet (POE) switches, 32 single radio wireless access points, and a Avaya 2882 wireless security switch. All network equipment frames are connected using multi-mode or single-mode fiber optic cable as required. The project was completed in December 2011.

The District recently occupied a new school addition that includes administrative offices and 13 new instructional classrooms and one (1) large computer lab and one (1) small business lab. Preschool and Kindergarten occupies 6 classrooms, while the remaining classrooms are occupied by the English / Language Arts department, Practical Living / Consumer Sciences department, and various Special Education departments. All new addition classrooms are equipped with the latest instructional audio and video equipment, interactive white boards, I-Rovers mobile instructional units and the most up-to-date computer systems utilizing grade level educational software applications.

The new building addition has the latest KETS approved structured cabling system consisting of 120,000 feet of Cat 6 10GX cable, 248 data drops, 96 port Avaya GX power over Ethernet (POE) network switches, 16 dual radio wireless access points, and an Avaya 8100 wireless security switch. The data network in the new building addition is connected to the data network in the existing building with new multi-mode or single-mode fiber optic cable as required.

The District technology staff consists of the DTC / CIO, and approximately 10% support from the WISD DPP that are responsible for the following.

- Implementation & administration of the Kentucky Education Technology System (KETS) and project initiatives
- Network administration, engineering, planning, security, user training & systems functionality
- Accountable for daily activities of Enterprise network consisting 38 networked or hosted user applications, 8 district servers, 336 workstations, and approximately 1000 users.
- Financial planning & forecasting for district-wide technology initiatives
- Network Technician job duties - Manage approximately 300 yearly Technology work orders
- Technology Integration Specialist (TIS) / Technology Resource Teacher (TRT) job duties
- Provide technology Professional Development (PD) for all District faculty & staff
- Server & workstation maintenance / repairs
- Hardware & software evaluation, purchasing & inventory
- Contract & vendor management
- Phone system maintenance / moves / repairs
- Computer imaging
- Systems Data Backup
- Asset tracking
- E-Rate application filing process
- ISTE / NETS Standards for Students, Teachers, & Administrators
- KDE Technology Standard 10 & 6 for all Teachers
- Technology standards testing for 8th & 12th grades
- WISD Acceptable Use Policy (AUP) to all K-12 students
- Digital Citizenship (9 elements) material to all 3rd to 12th grade students.

- Digital Driver's License for all students
- Internet Safety program for all District students
- Deployment of Live@EDU / Office 365 / SkyDrive to all District students Grades 4 – 12 grades
- Etc……...

Curriculum and Instructional Integration Goals

WISD began utilizing a new Writing and Communications curriculum in the 2011-12 school year. Within the documents, specific outcomes that require the use of technology are embedded. Specific learning targets are found at every grade level under the technology integration subcomponent of the communications section of the curriculum.

Evaluation criteria will come from the Writing Program Review document and the Practical Living/Career Studies Program Review document to measure school-wide technology integration accomplishment. Because of Program Reviews will have to be conducted within our K-12 school configuration, it should be possible to provide snapshot evaluation of teacher effectiveness within every grade level.

Goal 1: Continued Implementation of Writing and Communications curriculum

Action Plan: Projects/Activities

Project/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Continued implementation of Writing and Communication curriculum	Evidence that fulfills the instructional outcomes outlined at each grade level	District Writing and Communications document	Completed within each academic year	All Faculty and Administration	N/A

Goal 2: Integrate technology, including educational software and other electronically delivered learning materials into the curricula and instruction.

Project/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Supplement K12 daily classroom instruction with the use of district-wide networked & web based educational and assessment applications	Improve student and teacher proficiency in the use and integration of technology in the	Each system provides Individual student performance data. Teachers evaluates each student and	Completed within each academic year	Loren Connell - DOI Tim Melton - WISD Principal	$ 17,000.00 Title I Funds General Funds

directly related to the KDE core content such as; - Accelerated Reading - Accelerated Math - Star Programs - Reading Plus - Lexia Core 5 - APEX Learning - Think-Link Assessment - Study Island - Brain POP - Gizmo - SuccessMaker - ACT Test Preparation	classroom to enhance the curriculum to meet or exceed the KDE standards	uses system data to make adjustments when necessary		Joanna Mahan – ELM Dean Mike Abbott – MS/HS Dean Steve Mosley – DTC/CIO All Faculty	

Curriculum and Instructional Integration Goals – Evaluation

Evaluation of Goal 1

Strategies are found within our district's Writing and Communication curriculum. Many are focused on very specific outcomes that would clearly indicate the mastery of prerequisite skills. The district feels as if the academic targets are vertically aligned and are aligned with the Kentucky Core Academic Standards and Goals for College/Career Readiness. Our district will utilize the Program Review criteria from both Writing and Practical Living Career studies to make a programmatic evaluation of technology integration. Because of our configuration, specific to Program Reviews, our K-12 setting will make it possible to grade level evaluation of teacher effectiveness. The program review criteria and scoring team should have three meetings per year to outline mid-course progress and to make goals. The data will be submitted to Superintendent for evaluation.

Evaluation of Goal 2

WISD supplements K-12 daily classroom instruction with the use of district-wide networked & web hosted educational and assessment applications. Most of these applications directly relate to the KDE core content. All teachers and the DOI evaluate the students' progress by using data from the educational and assessment applications to make adjustments per student. WISD utilizes the following list of educational and assessment applications; Think-Link Assessment, Compass, QualityCore EOC, ACT Test Preparation, Reading Plus, Lexia Core 5, APEX Learning, Gizmo, Study Island, Brain Pop, Brain Pop Jr., SuccessMaker, EveryDay Math K-6, Accelerated Reader, Accelerated Math, StarFall, etc……

Student Technology Literacy Goals

Goal 1:   Incorporate technology literacy in Primary, Intermediate, Middle, and High school levels.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Keyboarding Class	Students learn proper keyboarding skills, and computer operations.	Teacher evaluates students and uses data from keyboarding software to make adjustments per student when necessary.	Completed within each academic year	Keyboarding Instructor & 3rd Grade Teachers Loren Connell - DOI	N/A
Provide instruction on WISD Acceptable Use Policy (AUP), Internet Safety program, and the 9 elements of Digital Citizenship for grades 3 -12.	Improved student awareness regarding the importance the District's AUP, Internet safety program, and to better understand the 9 elements of Digital Citizenship.	Teacher evaluates students and provides classroom materials supporting the District's AUP, Internet Safety program and the 9 elements of Digital Citizenship. Signed AUP agreement form from each student having access to the Internet.	During the first quarter of each school year and throughout the school year as necessary.	Beth Callahan – Computer Applications Teacher Joanna Mahan – Elm Dean Mike Abbott – MS/HS Dean Steve Mosley – DTC/CIO Elm, Middle, & High Teachers Tammy Lowrie - Media Specialist	N/A
Provide instruction and guidance to all	Improved student awareness regarding	HS Dean & HS Teachers evaluates progress being	Continuous throughout the	Mike Abbott – MS/HS Dean	N/A

High School students on using the KDE/UK Digital Driver's License (DDL) web site. (All High School students must earn their Digital Driver's License in order to use BYOD devices.)	the importance of Digital Citizenship and earning their Digital Driver's License.	made and provides student guidance where and when needed until the student(s) meet the requirements to receive their Digital Driver's License in order to use BYOD devices	school year	All High School Teachers Beth Callahan – Computer Applications Teacher Tammy Lowrie - Media Specialist Steve Mosley – DTC/CIO	
Integrate technology literacy during each school day in all grade levels.	Students learn proper computer skills & operations. Students learn to be responsible users of technology to communicate, solve problems, access, manage, and create information to improve learning.	Computer Lab Instructors, Media Specialist, Preschool, Primary, Intermediate, Middle, and High Teachers all provide continuous instruction and evaluate student progress.	Continuous throughout the school year	Preschool, Primary, Intermediate, Middle, & High Teachers Tammy Lowrie - Media Specialist Joanna Mahan – Elm Dean Mike Abbott –MS/HS	N/A
Computer Operations, Applications and Productivity Software Class	Students learn proper computer skills, and operations. Students learn to be responsible users of technology to communicate, solve problems, access, manage, and create information to improve learning. Students learn	Teacher evaluates each student and uses system data on individual students to make adjustments when necessary.	Continuous throughout the school year	Beth Callahan – MS/HS Computer Applications Teacher Tammy Lowrie - Media Specialist All Teachers Joanna Mahan – Elm Dean Mike Abbott – MS/HS Dean	N/A

	commercial productivity and communications software				
Ensure that all 8th graders are technologically literate by the end of the 8th grade	Students learn proper computer skills, and operations. Students learn to be responsible users of technology to communicate, solve problems, access, manage, and create information to improve learning. Students learn commercial Productivity and Communications software	Assessment of each 8th grader using the Simple Assessment evaluation web site or by using the Districts manual assessment to ensure that each student is technologically literate.	Continuous throughout the school year and by the end of the 8th grade	All MS Teachers Mike Abbott – MS/HS Dean	N/A

Student Technology Literacy Goals – Evaluation

Teachers integrate technology literacy during each school day in all grade levels where students can learn proper computer skills and operations. Students learn to be responsible users of technology to communicate, solve problems, access, manage, and create information to improve learning. Starting in the 3rd grade all students take a keyboarding and basic computer skills class where each student learns proper keyboarding techniques and basic computer components and operations. Each teacher evaluates the students and uses data from keyboarding software to make adjustments per student.

During primary and middle school each student takes a computer applications and productivity software class and in high the students may take a class on commercial productivity and communications software. Again each teacher evaluates the students' progress by using data from software programs or classroom assessments to make adjustments per student. Recently, the district has been using the Simple Assessment K12 evaluation web site to ensure that each 8th grade student is technologically literate. All teachers, DOI, & others evaluate the students' progress by using data from software programs or classroom assessments to make adjustments per student.

Staff Training / Professional Development Goals

Implementation of the Continuous Instructional Improvement Technology System (CIITS) is a very high priority within our district. Work has already begun to build capacity to implement the modules of CIITS as they become available. Capacity building for the conversion is already taking place as we have several administrators and no less than seven certified teachers, with strategically convenient grade level assignments for this task, fully trained on the three available modules currently available.

Goal 1 - Implementation of Continuous Instructional Improvement Technology System (CIITS)

Action Plan: Projects/Activities

Project/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Train selected faculty and administrators on the available modules of CIITS	Capacity building	Successful completion of the training	January – February 2016	Amon Couch – WISD Superintendent Tim Melton - WISD Principal Loren Connell – WISD Director of Instruction Mike Abbott – MS/HS Dean Joanna Mahan – Elm Dean WISD Teachers - Jennifer Chumley, Jenniefer Siler, Justin Williams, Susan Elliott, & Tammy Thompson	N/A
Rollout of available CIITS modules to entire faculty	Use of the assessment module	Record of progress retained in CIITS application	Sept. – Dec. 2016	Amon Couch – WISD Superintendent Tim Melton - WISD Principal Loren Connell – WISD Director of Instruction Mike Abbott – MS/HS Joanna Mahan – Elm	N/A

Goal 2: Provide ongoing professional development and technical training to the teaching faculty and administrators that improves proficiency and the integration of technology into the daily curriculum.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Assessment of teachers and administrators technology skills to the KDE Standard 10/6 & ITSE standards to increase teacher proficiency and provide teachers and administrators with daily support and training through collaboration and professional development to increase skills and integration of technology into the daily curriculum.	Creates a better measure for continued technology instructional development for entire teaching faculty and administrators. Student achievement, including technology literacy will be improved through all teachers and administrators reaching technology proficiency.	Internal or external assessment of the technology skills of all teachers and administrators to ensure proficiency achievement to the KDE Standard 10/6 & ITSE standards. Individual development plans should be established for individuals not meeting technology proficiency. Link to Simple Assessment http://www.simplek12.com/	Completed within each academic year	Amon Couch – WISD Superintendent Tim Melton - WISD Principal Mike Abbott – MS/HS Dean Joanna Mahan – Elm Dean Loren Connell – WISD Director of Instruction	$300.00 Title II Funding
Provide technology workshops or individual training to administrators, teaching faculty and support aids (certified and classified). Workshops or individual training includes: Office 365, Lync,	Teaching faculty and support staff will become more proficient in the use and integration of technology in the classroom to enhance the curriculum.	Evaluation process by use of teacher lesson plans showing technology integration, demonstrating obtained skills, internal/external workshop & training rosters.	Ongoing throughout the calendar year or whenever new technology is introduced or when new instructional hardware / software are introduced into the classroom.	Amon Couch – WISD Superintendent Tim Melton - WISD Principal Loren Connell – WISD Director of Instruction Mike Abbott – MS/HS Dean	$2,500.00 Title II Funding

Infinite Campus, CIITS, Encyclomedia, SmartBoard use, Study Island, Brain Pop, Brain Pop Jr., Accelerated Reader & Math, Lexia 5, SuccessMaker, Microsoft Word, Excel, PowerPoint, etc….				Joanna Mahan – Elm Dean Steve Mosley – DTC/CIO	
Provide professional development on the 9 curriculum based elements of Digital Citizenship.	Improved awareness for teachers and administrators regarding the importance to teach ongoing Digital Citizenship skills as well as learn the 9 curriculum based elements.	Successful completion of the 9 elements of Digital Citizenship 101 provided by KDE located at http://www.kyedtech.com/pd	During the first month of each school year and throughout the school year as necessary.	Amon Couch – WISD Superintendent Tim Melton - WISD Principal All Administrators & key support staff Internal personnel and resources will be used to provide and assist with the assessment process.	N/A

Staff Training/Professional Development Goals – Evaluation

Evaluation of Goal 1

The district will utilize 2 hours of mandatory PD toward the implementation of the three currently available CIITS modules. The PD will adjust according to the number of modules. The capacity building will then allow the district/school to provide individual attention to those needing more training. Our district has utilized a train the trainer method for capacity building. Again, the grade level teaching assignments of those already trained by KDE should provide resources at very close to the same grade levels of those needing more assistance. The initial training to our entire faculty will be conducted during mandatory PD days and the faculty will be divided into three groups of teachers. The most immediate and perhaps most important goal is that CIITS is the mechanism where student growth and teacher effectiveness is measured. The training will begin a series (as modules become available) addressed at both student growth and teacher effectiveness. The training opportunities for our technical

staff with CIITS are handled by the Kentucky Department of Education. They are conducted through webinars, web-ex, and occasionally face-to-face training sessions. The accountability measures that CIITS brings to the forefront are many. Again, it appears as if a lot of documentation to demonstrate both teacher effectiveness and student growth will be contained within CIITS modules.

Evaluation of Goal 2
Professional Development (PD) is provided at the start of each school year and throughout the calendar year or whenever new technology is introduced or when new instructional hardware/software are introduced into the classroom. As a priority, PD training is primarily directed at the teaching staff in order to improve technical proficiency and the integration of technology into the daily curriculum. The WISD Technology department (DTC/CIO) works closely with the WISD Director of Instruction to evaluate the need for PD and to develop a training plan. The plan would define the type of training required along with any associated tasks, responsibilities, timelines, costs and who should attend the training. The training plan would then be implemented, and progress would be measured and corrections made as necessary.

Technology Goals

Goal 1:   Technology Plan Implementation
Update and implement the WISD Technology Plan for the most effective integration of technology into the daily classroom instruction.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Establish committee to determine placement of instructional technology hardware & software.	Placement of hardware & software will be placed to allow the greatest impact on instructional learning.	Technology Department & WISD Technology Committee	Ongoing throughout the calendar year or whenever new technology is introduced	Amon Couch – WISD Superintendent Tim Melton - WISD Principal Technology Committee Members	N/A
Update District Technology Plan quarterly or as necessary to reflect the needs of the District based on evaluation, research	Improve student performance by clearly communicating expectations to all stakeholders.	Technology Department & WISD Technology Committee	Ongoing throughout the calendar year or whenever new technology is introduced	Steve Mosley – DTC/CIO Technology Committee Members	N/A

and committee review.					
Establish committee to define and develop a district-wide Bring Your Own Device (BYOD) policy. Document Policy and present to WISD BOE for approval.

Implement BYOD program to all HS students only. | Improve student performance by clearly communicating expectations to all stakeholders. | WISD Bring Your Own Device (BYOD) Committee and WISD BOE approval. | Ongoing throughout the calendar year | Amon Couch - WISD Superintendent

Tim Melton - WISD Principal

Loren Connell – DOI

Mike Abbott – MS/HS Dean

Steve Mosley – DTC/CIO | N/A |

Goal 2: Infrastructure & Hardware

Maintain and upgrade network infrastructure to provide communications and information literacy for entire school district to improve student and staff productivity and to more efficiently integrate technology in the classroom to enhance the curriculum in order to meet or exceed the KDE standards.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
Upgrade existing 23-year-old AT&T Merlin telephone system throughout entire district with new hosted Voice Over Internet Protocol (VOIP) phone system.

Apply for USF E-Rate Funds for Priority 1 Services.

Define Non-Priority 1 network equipment and telephone handset requirements | District-wide improved communications. | Improved internal & external communications, system reliability, and district-wide security and productivity, etc…. | Complete project prior to 7/1/2016, only if pending USF E-Rate Priority 1 services are approved. | Amon Couch - WISD Superintendent

Steve Mosley – DTC/CIO | **Project Completed – May 2016**

$13,806.00 USF E-Rate Funds for Priority 1 Services

Network Equipment & Telephone Handsets $13,434.00 (General Fund or KETS) |

and associated out-of-pocket costs to district.					
Purchase 30 new Dell desktop computers, KB, mice (No Monitors) for MS & HS teachers to replace old instructional computers	Improved network access, and reliability, for instructional purposes and improved productivity of MS & HS teachers.	Improved instructional productivity for MS & HS teachers.	12/1/2016	Steve Mosley - WISD Superintendent Steve Mosley – DTC/CIO	**Project Completed – July 2016** $8,649.00 (General Fund & KETS)
Purchase 60 new Apple iPad tablets and 2 charging carts for mobile labs in ELM. Focus usage to support student work centers.	Improved network access, and reliability, for instructional purposes.	Improved productivity for ELM students.	12/1/2016	Amon Couch - WISD Superintendent Steve Mosley – DTC/CIO	$22,740.00 (General Fund & KETS)
Purchase 32 new Epson 97 LCD projectors to replace half of the existing 67 classroom projectors that are 8 years old.	Improved instructional productivity for teachers.	Improve student performance by clearly communicating instructional content	9/1/2016	Amon Couch - WISD Superintendent Steve Mosley – DTC/CIO	**Purchased 5 new projectors as of 7/1/2016** $13,440.00 (General Fund & KETS)
Purchase 7 new Lexmark or HP (large volume) network laser printers to replace 7-8 year old printers in MC Lab 1, MC Lab 2, MSHS Lab, Lab3, Lab5, ELM Office, and one for a spare.	Improved instructional productivity for students.	Improve student performance by clearly printing instructional content	12/1/2016	Amon Couch – WISD Superintendent Steve Mosley – DTC/CIO	**Project Completed – July 2016** Approximately $7,000.00 (General Fund & KETS)
Wireless Access Project –	Improved network access, and reliability,	Improved network access system reliability, and district-	Complete project prior to12/1/2016	Amon Couch – WISD Superintendent	**Project Completed – August 2016**

Materials for 67 dual radio (801.2 ac) wireless access points. Projects also consist of replacing 34 old single radio (801.2 G-Type) wireless access points in the old building, and upgrading the access points in the new building addition. Project includes two wireless controllers and 67 AP licenses and total installation costs.	for instructional purposes throughout the entire school district.	wide productivity, etc….	only if pending USF E-Rate Priority 2 services are approved.	Steve Mosley – DTC/CIO	$57,801.00 USF E-Rate Funds for Priority 1 Services $8,670.86 (General Fund & KETS)
Purchase / Install a new digital video surveillance system district-wide using the latest technology in video signaling, recording & remote access. Install 1 - 32 channel Digital Video Recorder (DVR) w/ 4 TB storage drive. Install 6-8 external digital cameras and 24 internal digital cameras. Use remote IP connectivity function to connect video surveillance system to	Implementation of video surveillance system should / would discourage criminal activity. Improved learning environment and overall safer facility for all students, teaching faculty, administrators and visitors.	Implementation of video surveillance system would provide fast, accurate and reliable communications with all local emergency personnel, Police officers, and school administrators. Implementation of district-wide video surveillance system would lessen legal and liability issues for all BOE members and school administrators.	6/1/17	WISD Board of Education Members Amon Couch - WISD Superintendent Tim Melton - WISD Principal Steve Mosley – DTC/CIO	**50 % of project Complete. Installed video system in new building addition only.** Approximately $25,000.00 (General Funds &r KETS)

smart phones of all local Police officers and all WISD administrators.						

Technology Goals - Evaluation

The WISD Technology Plan is a revolving process. The goal of the DTC/CIO and the Technology Committee is to complete each project within the documented timeline. The DTC/CIO chairs the Technology Committee and is responsible for measuring progress being made towards the each published goal, and to make mid-course corrections as necessary. The DTC/CIO shall revise the overall District Technology Plan quarterly or as necessary to reflect the needs of the District. The Technology Committee is an informal group and its members meet as necessary or when new technology projects are implemented.

Annual Budget Summary

Acquired Technologies & Professional Development	Ed Tech Competitive Title IID	Ed Tech Formula Title IID	E-Rate	NCLB/other than Title IID	KETS	Other Fund
Supplement K12 educational and assessment software applications directly related to the KDE core content such as; Think-Link Assessment, Study Island, Lexia Core 5, Reading Plus, AR, AM, APEX Learning, SuccessMaker, etc….					????	$17,000.00 (General Funds or KETS)
Assessment of teachers and administrators technology skills to the KDE Standard 10/6 & ITSE standards				$300.00 (Title II Funds)		
Provide technology PD workshops or individual				$2,500.00		

training to teaching faculty, admin, & staff (certified and classified).				(Title II Funds)	
Upgrade existing 23-year-old AT&T Merlin telephone system throughout entire district with new hosted Voice Over Internet Protocol (VOIP) phone system.			$13,806.00 (Pending approval of USF E-Rate Funds for Priority 1 Services)		???? $13,434.00 (General Funds or KETS) (Non-Priority 1 Services - Network Equipment & Telephone Handsets)
Purchase 30 new Dell desktop computers, KB, mice (No Monitors) for MS & HS teachers to replace old instructional computers					???? $8,649.00 (General Funds or KETS)
Purchase 60 new Apple iPad tablets and 2 charging carts for mobile labs in ELM. Focus usage to support student work centers.					???? $22,740.00 (General Funds or KETS)
Purchase 32 new Epson X12 LCD projectors to replace half of the existing 67 classroom projectors that are 8 years old.					???? $13,440.00 (General Funds or KETS)
Wireless Access Project – Materials for 67 (801.2 ac) wireless access points. Projects also consist of replacing 34 old single radio (801.2 G-Type) wireless access points in the old building, and upgrading the access			$49,131.00 (Pending approval of USF E-Rate Funds for Priority 1 Services)		???? $8,670.00 (General Funds or KETS)

points in the new building addition. Project includes two wireless controllers and 67 AP licenses and total installation costs.					
Purchase 7 new Lexmark or HP (large volume) network laser printers to replace 7-8 year old printers in MCLab 1, MCLab 2, MSHS Lab, Lab3, Lab5, ELM Office, and one for a spare.				????	Approximately $7,000.00 (General Funds or KETS)
Purchase / Install a new digital video surveillance system district-wide using the latest technology in video signaling, recording & remote access. Install 1 - 32 channel Digital Video Recorder (DVR) w/ 4 TB storage drive. Install 6-8 external digital cameras and 24 internal digital cameras. Use remote IP connectivity function to connect the video surveillance system to the smart phones of all local Police officers and to all WISD administrators.				????	Approximately $25,000.00 (General Funds or KETS)
Totals		**$62,937.00**	**$2,800.00**	**????**	**$115,933.00**