

District Technology Plan
Bardstown Independent School District
Bardstown, Kentucky



<http://www.bardstown.kyschools.us>

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Acknowledgments

District Technology Staff

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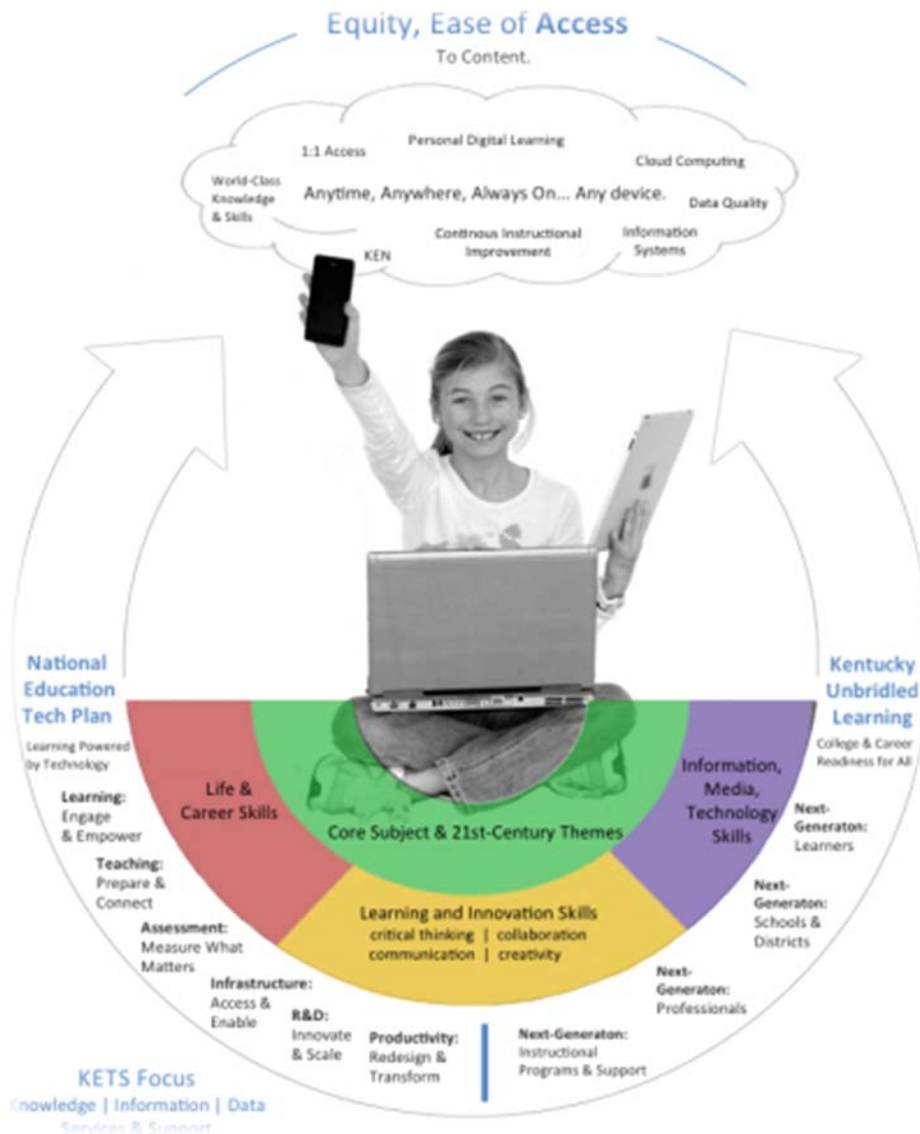
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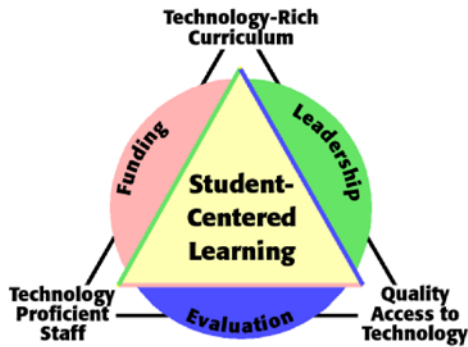
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Executive Summary

The mission of the Bardstown City Schools, in partnership with the family and community, is to provide students the opportunity to acquire the skills and motivation to become lifelong learners and successful, productive citizens in a diverse, technological, ever-changing global society. The mission is to help students realize their dreams for a rewarding and productive life by promoting the continuing pursuit of knowledge, the development of critical thinking skills, and the nurturing of values - all of which are essential to their success as citizens in the global village of the 21st century. Further, Bardstown City Schools will provide 21st century technology that will empower the learning community to become information-literate critical thinkers and achieve life-long learning goals in their personal, educational, and workplace environment. Also, Bardstown City Schools will support Equity of access and opportunity as the roots in the Kentucky Education Reform Act (KERA) of 1990 which will continue to be a cornerstone and driving force principle. Providing the following through technology-enabled tools also will continue to be major drivers throughout everything we do:



- Learning: Engage and Empower (Anytime, anywhere, always-on, differentiated teaching and learning)
- Teaching: Prepare and Connect (Capacity building and enhancement of staff and resources)
- Productivity: Redesign and Transform (Efficiency and governance)
- Infrastructure: Access and Enable (Comprehensive infrastructure for learning when and where needed.)

Planning Process / Methodology Development

The district technology plan is designed for continuous improvement, monitored progress, and an organized focus on goals for supporting instruction. The plan is a living document – evolving along with the technology and curriculum it supports. Effectiveness of the plan will be demonstrated by the college preparedness of students graduating from Bardstown City Schools, increased student achievement in curriculum subject areas and technology literacy, teachers' use technology tools for innovative and effective teaching and learning and enhanced communication between the district and parents and the larger community.

Goals

Curriculum and Instructional Integration Goals

- Goal 1: Greater and more meaningful, voice communication, interaction and collaboration between family, school and community.
- Goal 2: Provide enhanced digital and/or print communications for administration, teachers, parents and students from school or at home.)

Student Technology Literacy Goals

- Goal 3: Curriculum and Instructional Integration Goals (Improved student learning and preparedness for college and career readiness.

Staff Training/Professional Development Goals

- Goal 4: Learning: Engage and Empower - Priority: Capacity Building: Enhancement of Staff and Resources

Technology Goals

- Goal 5: Infrastructure and Management: Access and Enable - Anytime, Anywhere, Always-On for staff and students.

Public Notice and Review Process

The Bardstown City Schools' Technology Plan's 2014 Update is pending Bardstown City Schools' Board approval on January 21, 2014. Information concerning suggested school needs and action plans should be mailed to Joey Downs, Bardstown City Schools, 308 N. Fifth Street, Bardstown, KY or by phone at 502-331-8800.

Implementation

All district leadership, faculties and members of the technology committees share in the responsibility of properly implementing the elements of this plan. In a difficult economic climate, proper budgets and staffing will ultimately play a large role in the level of implementation. Our district is dedicated to the initiatives contained within and we have every intention of meeting the goals stated in the technology plan.

Evaluation

District and school staffs have a shared responsibility in the evaluation of the plan. There is a section of the plan dedicated to the evaluation of the plan and our intent is to discuss elements of the plan in our regular faculty and technology meetings. During these meetings, data gathered will be evaluated against progress made toward completion.

NEEDS ASSESSMENT

See Page 12 Technology Readiness Report

Curriculum and Instructional Integration Goals (Redesign and Transform)

Goal 1: Greater and more meaningful, voice communication, interaction and collaboration between family, school and community.

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Lease local enhanced telecommunication connectivity via T1 trunk line (23 numbers) access for ease and equity of access within the school district and from school to home.	Teachers will be able to integrate the practical application of telecommunications into all instructional and curricular areas through voice services, voice messaging, parent conferencing, video streaming, on-line assessment, wireless access. Facilitate the creation of "Voice communities."	Measured by teacher evaluations and principal walk-through. System and usage records. Use of Wireless and/ or Personally Owned Devices	10/2013 10/2015	District CIO; ITD	Local Funds \$4,400, SBDM funds, E-Rate pending \$17,280
Subscribe for high speed cable internet services access with the City of Bardstown for equity of voice access from the school district MDF to the Alternative School.	Alternative School Teachers will be able to integrate higher technology skills into instruction through voice services, voice messaging, parent conferencing, video streaming, on-line assessment, wireless access.	Measured by teacher evaluations, self-report access, and principal walk-through.	10/2013 10/2015	District CIO; ITD	Local Funds; SBDM funds; Included above \$2640
Purchase and maintain high speed cellular voice and data telecommunication services access with AT&T Mobility for administrative and Program staff for ease and equity of access (24/7) within the school district and from school to students' homes.	As a strategy to address school safety, collaboration and resource management, Administrative and Program Coordinator staff will have telecommunication services access with AT&T Mobile services to enhance services provided to our stakeholders.	Measured by usage logs, mobile services bills and Administrative Leadership Team evaluation.	10/2013 10/2015	District CIO; ITD; Administrators	Local Funds; SBDM funds, \$10,560 E-Rate Pending \$42,240
Contract and maintain an automated notification & voice messaging system for ease and equity of access from school to home. (Currently OneCallNow).	Stakeholders will experience improved effectiveness and efficiency of instruction, curriculum development, school organization and operation; Improved communication among teachers, parents, and students;	Measured by OneCallNow usage reports.	10/2013 10/2015	District CIO; ITD; Principals	Local Funds; SBDM \$9,000
Subscribe to webhosting services with Infinite Cohesion to expand teacher, parental and student access to school, administration through voice lines, voice messaging, and webpage e-communication.	Parents will have various methods of interaction with schools, administrators, and teachers.	Enhanced with voice messaging OneCallNow , e-Communication with our new web and blogs, IC Portal for parents, Skype, Lync	10/2013 10/2015	District CIO, Tech Center; Tech Committees Principals	Local Funds; KETS; \$6000 Erate pending

Goal 2: Provide enhanced digital and/or print communications for administration, teachers, parents and students from school or at home.)

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Provide for immediate availability of digital memos, letters, bulletins, reports and documents through data management systems/applications.	Teachers will have greater knowledge of storage for documents, reports, and assessment data.	Measured by teacher use of local and cloud data storage, CIITS, MAP, Infinite Campus, KDE	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS
Improve digital communications between buildings, school districts, libraries and KDE through enhanced network assess, internet access, web tools.	Teachers will increase vertical and horizontal communications across grades and schools.	Measured by teachers use of email, voice messaging, web pages, Skype, Lync, Office 365	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS
Enhanced calendaring and scheduling to assist coordination of personnel, building and district resources	Teachers will increase vertical and horizontal communications across grades and schools.	Measured by teachers use of email, voice messaging, web pages, Skype, Office 365	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS
Support the Creation of "digital PLC communities" management through internet access, email, voice, voice messaging, and web communication tools.	Teachers will increase their use of message sharing, file sharing, Lync, Skype, webex	Measured by teachers use of email, voice messaging, web pages, Skype, Office 365, Lync	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS
Expand student access to instructional resources and tools outside the regular school hours and locations with network access, online courses, web resources and cloud storage.	Students will be able to continue learning beyond the school day.	Students have access to webmail, cloud storage, online Moodle courses, and web page resources. Web Apps	10/2013 10/2015	District CIO, Tech Center; Tech Committees Principals	Local Funds; KETS;
Subscribe to webhosting services with Infinite Cohesion to expand teacher, parental and student access to school, web pages, messaging, and webpage e-communication.	Parents will have various methods of interaction with schools, administrators, and teachers.	Enhanced with messaging , e-Communication with our new web and blogs, IC Portal for parents, Skype, Lync	10/2013 10/2015	District CIO, Tech Center; Tech Committees Principals	Local Funds; KETS; \$4070 Erate pending
Continue supporting automatically generated reports from assessment, databases and/or applications.	Admin/Teachers will have access to automatically generated reports.	Measured by admin/teacher use of cloud-based databases, CIITS, MAP, Infinite Campus	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS
Provide simple data retrieval strategies in multiple formats, providing flexible access.	Admin/Teachers will use data across multiple formats.	Measured by admin/teacher use of Microsoft Office, Adobe	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS
Provide data maintenance and storage electronically and printed only when required.	Admin/Teachers will use data across multiple formats.	Measured by admin/teacher use of local z-drives, Skydrives, Cloud storage, Sharepoint	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS

Student Technology Literacy Goals (Prepare and Connect)

Goal 3: Curriculum and Instructional Integration Goals (Improved student learning and preparedness for college and career readiness.)

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Increase thinking and problem-solving skills by analyzing information with technology tools, Integrated learning systems (Think Central, Triumph Learning; Moby Math, etc).	Students will be able to collect and analyze data to identify solutions and/or make informed decisions.	Measured by students' current access to free and/or subscribed cloud-based databases and locally subscribed cloud resources.	10/2013 10/2015	District CIO, Tech Center; Tech Committees Principals	Local Funds; KETS
Address differentiated learning styles through the delivery of video, voice, digital and hard copy content.	Students will be able to apply existing knowledge to generate new ideas, products, or processes using technology.	Measured by students' current access to webmail, file sharing, Moodle courses and other resources for product creation and delivery.	10/2013 10/2015	District CIO, Tech Center; Tech Committees Principals	Local Funds; KETS
Develop communication skills through writing, verbal interactions and the exchange of information with students at other sites.	Students will use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.	Measured by students' access to internal chat lines, blogs, forums created by staff.	10/2013 10/2015	District CIO, Tech Center; Tech Committees Principals	Local Funds; KETS
Develop basic skills and concepts through simulations and computer-assisted instruction.	Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	Measured by students' demonstration of skills in using digital tools available via course content.	10/2013 10/2015	District CIO, Tech Center; Tech Committees Principals	Local Funds; KETS
Make instructional content available to expand students' research and information-processing skills.	Students will apply digital tools to gather, evaluate, and use information from instructional content.	Measured by students' demonstration of skills in using digital tools available via course content.	10/2013 10/2015	District CIO, Tech Center; Tech Committees Principals	Local Funds; KETS
Student awareness of a multi-cultural world view is enhanced through access and communication with students at other schools throughout the world.	Students will understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.	Measured by teacher observation, Digital Citizenship assessment.	10/2013 10/2015	District CIO, Tech Center; Tech Committees Principals	Local Funds; KETS
Continue to give MAP Assessments for K-8 (3 times a year) Staff and students will be able to determine a year's worth of growth	Staff and students will be able to determine a year's worth of growth	Assessment results, testing schedule	10/2013 10/2015	District CIO, Tech Center; Tech Committees Principals	Local Funds; KETS; \$51,824
Give portions of End of Course exams online	Students will become familiar to testing online, feedback with be more immediate	Assessment results, testing schedule	10/2013 10/2015	District CIO, Tech Center; Tech Committees Principals	Local Funds; KETS;
Support Digital Citizenship lessons in K-12 classrooms to emphasize Technology concepts and teach Internet safety.	Student awareness of a tech-enriched society increases, safe and proper Digital Citizenship and Internet Safety behaviors	Pre and post assessments, teacher observations and student feedback.	10/2013 10/2015	Teachers, Principals, STC	Local Funds

	are practiced.				
Provide staff and appropriate technology components that encourage Student participation and investment in their own learning and enhances the mastery of modern technology tools.	Students will possess an understanding of technology ethics, online safety, and the capabilities and uses of modern technology hardware and software uses.	Pre and post assessments, teacher observations and student feedback.	10/2013 10/2015	Teachers, Principals, STC	Local Funds
Support and encourage students' use of technology tools available for creation, communication, collaboration, research, critical thinking, problem solving, decision making while understanding digital citizenship.	Students will learn to utilize the numerous technology resources available to them for educational and personal use.	Measured by teacher observation, walk-throughs, student self-reporting use.	10/2013 10/2015	Teachers, Principals, STC	Local Funds
Support and encourage students' use of personally-owned devices in the school environment.	Students will learn to use personally-owned hand-held devices to support learning and assessment.	Measured by teacher observation, walk-throughs, student self-reporting use.	10/2013 10/2015	Teachers, Principals, STC	Local Funds
Support and encourage students' use of free cloud-based applications and tools.	Students will learn to use cloud-base applications and tools like web-mail, cloud storage, and cloud file sharing.	Measured by teacher observation, student self-report on tool use, Office 365	10/2013 10/2015	Teachers, Principals, STC	Local Funds
Support students' mastery of technology operations and concepts for understanding and suing technology systems, selecting and using applications effectively and productively, troubleshoot systems and applications and transfer current knowledge to new technologies.	Students will become proficient users of technology systems, production resources, and new technologies.	Measured by teacher observation, student self-report on tool use.	10/2013 10/2015	Teachers, Principals, STC	Local Funds

Staff Training/Professional Development Goals (Engage and Empower)

Goal 4: Learning: Engage and Empower - Priority: Capacity Building: Enhancement of Staff and Resources

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
PD Coordinator, Principals and TIS will Identify areas of staff development needs to support further integration of technology use in classrooms using both District staff and outside sources.	Teachers will access professional development targeted in the area of technology integration as outlined by needs assessment.	Measured by needs survey targets, participation in trainings, resource use in job performance, and Analysis of Help Desk tickets	10/2013 10/2015	PD Coordinator, Principals, TIS	Local funding
Initiate a Digital Citizenship emphasis with activities will take to place through the media centers including PTA/parent informational nights.	Teachers will become more aware of Digital Citizenship for themselves and assist student with their understanding of their digital citizenship responsibilities.	Measured by principal/STC observation and surveys.	10/2013 10/2015	PD Coordinator, Principals, STC	Local funding
Continue staff technology capacity building with a part-time Technology Integration Specialist in the Tech Center and school-based STC	Teachers will receive technology integration training on production software, internet resources, cloud storage, BYOD, school and teacher web pages, blogs, Office 365, and any needs on the local needs assessment.	Measured by participation in trainings, resource use in job performance, and Analysis of Help Desk tickets	10/2013 10/2015	PD Coordinator, Principals, TIS	Local funding \$45,000
Continue research and development on hardware, applications and services.	Staff will have access to high speed, reliable network service access to administrative, instructional and communication services via a robust infrastructure.	Usage records, Administrative Review, system reports. Analyze Help Desk Tickets, Tech Readiness Report	10/2013 10/2015	District CIO; ITD Administrative Staff,	Local, KETS,
Utilize technology to support the curriculum and improve student achievement with an emphasis on classroom integration to facilitate the implementation of the Kentucky Program of Studies, Common Core Standards, ISTE's National Educational Technology Standards for Students.	Teachers will integrate technology resources for inclusion in daily instruction.	Measured by principal walk-through. Equipment inventory, access and usage reports.	10/2013 10/2015	District CIO, ITD; Tech Committees; STC Principals	Local Funds; KETS;
Monitor, review and update the district Acceptable Use Procedures form annually at the district level.	Teachers, staff and students will be able to use network services in a relatively safe school environment.	Measured by our internet filtering software reports.	10/2013 10/2015	District CIO, ITD, Principals; STC; Tech Committees	Local Funds; KETS;

Research, plan and implement more efficient technology management and inventory using Dell KACE box	This initiative will improve the current inventory and facilities management processes to include a self-service component for data entry and data access.	Measured by principal walk-through. Equipment inventory, access and usage reports.	10/2013 10/2015	District CIO, ITD Principals	Local Funds; SBDM; \$16 per workstation
Pursue Internet 2 applications, made available via a high bandwidth, high performance network, enable collaboration among researchers, instructors, students.	This initiative is to continue the cost savings and benefits of virtual learning for P-12 public school students and staff. Schools and students have access to online courses that can be taken outside the classroom.	Measured by Software logs, teacher usage records. Analyze Help Desk Tickets	10/2013 10/2015	District CIO; ITD; STC; Tech Committees; Principals	Local; SBDM;
Enhance computer-managed instructional delivery system through enhanced network access, internet access, web resources: now 250 mbps bandwidth	Teachers will utilize computer-managed instructional delivery systems provided locally and at the state level.	Measured by teacher use of Infinite Campus, MAP, CIITS, Moodle Courses	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS
Reduce teacher paperwork and routines to allow more instructional modeling and instruction.	Teachers will spend less time generating hard copy files and more time with digital resources more accessible.	Measured by teacher use of the copying center, more use of cloud storage and file sharing.	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS
Encourage and support joint curriculum development and sharing through enhanced network access, internet access, web resources, and cloud storage.	Teachers will participate in multiple PLC's, Grade Teams, Teams.	Measured by PLC, Team memberships, meeting agenda and dates.	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS
Improve capacity to individualize instruction and to monitor assessment through local and web resources.	Teachers will utilize more common assessment strategies with colleagues.	Measured by use of CIITS, online assessment tools	10/2013 10/2015	District CIO; Tech Committees	Local Funds; KETS

Technology Goals (Access and Enable)

Goal 5: Infrastructure and Management: Access and Enable - Anytime, Anywhere, Always-On for staff and students.



Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Evaluation	Timeline	Person(s) Responsible	Funding Source
Address the financial resources required and available each year to operate, maintain, incrementally replenish and expand the technology system via purchasing and installing gigabit switches & hubs.	Teachers, students and parents will have greater, more reliable telecommunications access to schools via dial-in server, voice messaging, email, web-based information and application data will be available for needs assessment, planning and evaluation.	Measured: Analyze Help Desk Tickets, Tech Readiness Report	10/2013 10/2015	District CIO; ITD; STC; Tech Committees; Principals;	Local; SBDM; E-rate Pending
Maintain/keep the technology up and running to ensure business processes operate efficiently; To innovate and improve business processes and employee productivity.	Stakeholders increasingly depend on technology-based products and services to deliver effective instruction to students.	Measured by Software logs, teacher/parent contact records. Service Survey; Analyze Help Desk Tickets, local and cloud-based apps	10/2013 10/2015	District CIO; ITD; STC; Tech Committees	Local; SBDM;
Maintain/Update network servers, routers and switches for application, data, email and video transmissions through a robust infrastructure.	Staff will have access to high speed, reliable network service access to administrative, instructional and communication services via a robust infrastructure.	Usage records, Administrative Review, system reports. Analyze Help Desk Tickets, data traffic, , Tech Readiness Report	10/2013 10/2015	District CIO; ITD Administrative Staff,	Local, KETS, Construction funds E-rate pending
Monitor and assess the bandwidth requirements to optimize the performance of our Wide Area Network and Local Area Networks: now 250 mbps bandwidth	Network resource ease and equity of access will improve to national levels at reliability and at efficient gigabit speeds	Measured by Network reports on time peaks and usage trends. Current bandwidth upgraded from 25 to 250 mbps in December 2013	10/2013 10/2015	District CIO, ITD	Local Funds; KETS; ERATE Pending
Monitor district proxy servers and TMG to update in accordance with the federal legislation, Children's Internet Protection Act (CIPA: 47 U.S.C. 254), KY Senate Bill 230, and KY KAR 5:120.	Teachers, staff and students will be able to use internet services for research in a relatively safe environment.	Measured by our internet filtering software reports.	10/2013 10/2015	District CIO, ITD; STC Principals	Local Funds; KETS;
Maintain and update network accounts for staff and students. Students will utilize district network accounts to access and complete teacher assignments and to collaborate on classroom projects.	Teachers, administrators, and staff will have access to email and user files accounts.	Measured by monitoring district network accounts.	10/2013 10/2015	District CIO, ITD; STC Principals	Local Funds; KETS;
Provide Instructional Devices or Workstations at a ratio 6:1 or lower than required by the KETS Standards and local goals for instructional support devices used in the intelligent classroom.	Personnel will have increased accessibility to technology resources. Current student to computer ratio is 3-1. 1-1 ratio of projectors and interactive devices. Pursuit of document cameras enhanced sound systems, Apple TV, interactive boards and slates in all rooms.	Measured by the Annual Technology Readiness Report	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS; ERATE Pending

Plan, purchase and install student workstations for the Primary school: six workstations per classroom to replace N-Computing systems; no lab accessibility at current time. Section 2 on Readiness Report.	Students will have increased access to digital resources in the Primary Classroom	Measured by the Annual Technology Readiness Report (Section 2 concern)	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS; \$100,000
Plan, purchase and install student workstations for the Elementary school: four workstations per classroom to replace N-Computing systems in response to Section 2 on Readiness Report.	Students will have increased access to digital resources in the Elementary Classroom	Measured by the Annual Technology Readiness Report (Section 2 concern)	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS; \$54,000
Plan, purchase and install student workstations for the Middle School Media Center and Room 206: 60 Workstations. Section 2 on Readiness Report.	Students will have increased access to digital resources in the Elementary Classroom	Measured by the Annual Technology Readiness Report (Section 2)	10/2013 10/2015	District CIO, ITD; Tech Committees Principals	Local Funds; KETS; \$36,000
Plan, purchase and install enhanced wireless connectivity infrastructure on the main campus that will allow staff and students to utilize their personally owned laptops and devices to continue their studies, free of the constraints of time and place.	Students will have greater ease and access to a faster, more efficient, green workstation solution. Increased off-campus workstation access to extend learning.	Measured by project completion reports, Technology Readiness Report	10/2013 10/2015	District CIO; ITD; STC; Tech Committees; Principals	Local; E-rate Pending \$250,000
Research, plan and implement more efficient resource management and Inventory using Dell KACE box	This initiative will improve the current inventory and facilities management processes to include a self-service component for data entry and data access.	Measured by principal walk-through. Equipment inventory, access and usage reports.	10/2013 10/2015	District CIO, ITD Principals	Local Funds; SBDM; \$16 per workstation
Research, locate, maintain and refresh intelligent design classroom technologies, differentiated collaboration tools, telecommunication tools, rich curriculum resources, supporting multiple modes of communication and collaboration at gigabit speeds.	Teachers will be able to integrate the practical application of the intelligent classroom technologies into all instructional and curricular areas through telecommunications, voice services, voice messaging, parent conferencing, video streaming, and online assessment. Improved accuracy and timeliness of information; Reduced cost and improved accuracy from centralized data.	Measured by teacher evaluations and principal walk-through. Equipment access and usage reports on access to a full suite of classroom-based technology tools. Fixed Assets, HelpDesk Tickets, Technology Readiness Report	10/2013 10/2015	District CIO; ITD; Tech Committees	Local Funds, E-Rate pending Construction KETS,
Provide technical support to student-related services like the Family Resource Center, Food Services, Transportation, Buildings and Grounds, Health Services and Adult Education. This may include Infinite Campus, services applications and web management.	Support services programs will have network resource ease and equity of access at reliable and efficient gigabit speeds.	Measured by monitoring district network accounts, Technology Readiness Report	10/2013 10/2015	District CIO, ITD, Principals; Program Coordinators	Local Funds; KETS;
Maintain/support District Financial	Teachers, administrators and parents will have greater,	Measured by Software logs, teacher/parent	10/2013	District CIO,	Local; SBDM;

Management System, MUNIS, the KY School Student Information System (KYSIS), and Infinite Campus (IC).	more reliable telecommunications access to schools via, voice messaging, email, web-based information and application data will be available for needs assessment, planning and evaluation	contact records. Analyze Help Desk Tickets	10/2015	Principals, Finance Officer Teachers	
Pursue enhanced, more accessible and efficient document and content management for the schools.	This initiative is to provide the schools and district with Internet-enabled access to cloud-based content management that allows organizations to create, manage, store, distribute, search and view digital content. Examples of digital content are pictures, text, reports, video, audio, transactional data, catalogs and code.	Measured by Software logs, teacher/staff satisfaction survey. Analyze Help Desk Tickets	10/2013 10/2015	District CIO; ITD; STC; Tech Committees; Principals	Local; SBDM;
Research, plan and install a size-appropriate, accessible, and efficient Data Backup System	As technology becomes more widely used for business and instruction, teachers and administrators expect that the data and systems be available, reliable and accurate. When disruptions to availability occur, service must be restored quickly.	Measured by Software logs, teacher/staff satisfaction survey. Analyze Help Desk Tickets	10/2013 10/2015	District CIO; ITD; STC; Tech Committees	Local; SBDM; \$85,000
Maintain/keep applications up and running to ensure business processes operate efficiently by purchasing and installing virus protection software.	Stakeholders increasingly depend on technology-based services to deliver effective instruction to students.	Measured by Software logs, teacher/parent contact records. Service Survey; Analyze Help Desk Tickets	10/2013 10/2015	District CIO; ITD; STC; Tech Committees	Local; SBDM;
Maintain/keep software use legal and updated to ensure business processes operate efficiently by purchasing and installing network management, server CALS, internet filtering, communication and production software, and CORE support applications.	Stakeholders increasingly depend on technology-based services to deliver effective instruction to students.	Measured by Software logs, teacher/parent contact records. Service Survey; Analyze Help Desk Tickets	10/2013 10/2015	District CIO; ITD; STC; Tech Committees	Local; SBDM;

2013 District Technology Readiness Report (See Red Text Areas of Concern)

DIST NAME	Bardstown Independent	
ADA	2,336	
NUMBER OF CLASSROOMS	142	
NUMBER OF CLASSROOM TEACHERS	172	
Section 1: Student Instructional Devices/Desktop Virtualization/Home Access		
Instructional Devices - Elementary Schools		
	Total	Percentage
Number of student Instructional Devices located in standard classrooms	71	47.0%
Number of student Instructional Devices located in fixed or mobile labs	80	53.0%
Number of student Instructional Devices that are carried and stay with student	0	0.0%
TOTAL of Elementary Student Instructional Devices	151	100%
Instructional Devices - Secondary Schools (Middle, HS, Alt)		
	Total	Percentage
Number of student Instructional Devices in locations that have 3 or less student workstations	30	8.3%
Number of student Instructional Devices in locations that have 4 or more student workstations	330	91.7%
Number of student Instructional Devices that are carried and stay with student	0	0.0%
TOTAL of Secondary Student Instructional Devices	360	100%
GRAND TOTAL	511	
Desktop Virtualization - Elementary Schools		
How many hardware based desktop virtualization cards (i.e N-Computing, Fiddlehead, MiniFrame) and host based virtualization systems (MS Hyper-V, VMware, Windows Remote Desktop) have you deployed in your district?		
How many additional student instructional access terminals did this create in your district?	185	
Desktop Virtualization - Secondary Schools (Middle, HS, Alt)		
How many hardware based desktop virtualization cards (i.e N-Computing, Fiddlehead, MiniFrame) and host based virtualization systems (MS Hyper-V, VMware, Windows Remote Desktop) have you deployed in your district?		
How many additional student instructional access terminals did this create in your district?	61	
Home Access for Students		
	Percentage	
1. Percentage of students that have a computer at home?	95.0%	
a) Percentage of these computers that are less than 5 years old?	62.0%	

2. Percentage of students that have Internet access at home?	91.0%	
3. Percentage of students for each type of Internet connectivity?	100.0%	
a) Dial Up	2.0%	
b) Cable Modem	59.0%	
c) DSL (usually provided by telephone company)	17.0%	
d) Satellite Dish	9.0%	
e) Other	13.0%	
Home Access for Teachers	Percentage	
1. Percentage of teachers that have a computer at home?	100.0%	
a) Percentage of these computers that are less than 5 years old?	84.0%	
2. Percentage of teachers that have Internet access at home?	99.0%	
3. Percentage of teachers for each type of Internet connectivity?	100.0%	
a) Dial Up	0.0%	
b) Cable Modem	68.0%	
c) DSL (usually provided by telephone company)	27.0%	
d) Satellite Dish	1.0%	
e) Other	4.0%	
Section 2: Age, Mobility and Availability of School District Instructional Devices		
** <i>Minimum Standard Specification for PC and Macintosh platform</i>		
Elementary Schools	Total	Percentage
Total number of student Instructional Devices	151	
Number of student Instructional Devices that meet or exceed minimum standards	100	66%
Number of student Instructional Devices that are laptop	0	0%
Number of student Instructional Devices that are tablet PC	0	0%
Total number of classroom teacher Instructional Devices	91	
Number of classroom teacher Instructional Devices that meet or exceed minimum standards	91	100%
Number of classroom teacher Instructional Devices that are laptop	11	17%
Number of teacher Instructional Devices that are tablet PC	0	0%

Concern

Total number of administrator/other Instructional Devices	66		
Number of administrator/other Instructional Devices that meet or exceed minimum standards	60	91%	
Number of administrator/other Instructional Devices that are laptop	0	0%	
Number of administrator/other Instructional Devices that are tablet PC	0	0%	
Secondary Schools (Middle, HS, Alternative)			
Total number of student Instructional Devices	360		
Number of student Instructional Devices that meet or exceed minimum standards	223	61%	Concern in BMS
Number of student Instructional Devices that are laptop	0	0%	
Number of student Instructional Devices that are tablet PC	0	0%	
Total number of classroom teacher Instructional Devices	81		
Number of classroom teacher Instructional Devices that meet or exceed minimum standards	78	96%	
Number of classroom teacher Instructional Devices that are laptop	0	0%	
Number of teacher Instructional Devices that are tablet PC	0	0%	
Total number of administrator/other Instructional Devices	70		
Number of administrator/other Instructional Devices that meet or exceed minimum standards	53	76%	Concern
Number of administrator/other Instructional Devices that are laptop	16	23%	
Number of administrator/other Instructional Devices that are tablet PC	0	0%	
District Office			
Total number of administrator/other Instructional Devices	68		
Number of administrator/other Instructional Devices that meet or exceed minimum standards	32	84%	
Number of administrator/other Instructional Devices that are laptop	10	26%	Concern
Number of administrator/other Instructional Devices that are tablet PC	0	0%	
How many total Instructional Devices (desktop/laptop/tablet PC) within the district were purchased/acquired new, from all funding sources, for FY13?	169		
How many total Instructional Devices (desktop/laptop/tablet PC) within the district were surplus during FY13?	96		
How many total Instructional Devices (mini computing devices) within the district were purchased/acquired new, from all funding sources for FY13?	24		

Section 3: Workstation Software				
Workstation operating system information		Instructional		Administrative
1. How many total Instructional Devices use the following OS?		Student IDU	Teacher IDU	Administrator/ Other IDU
	Windows XP	65	0	0
	Vista	0	0	0
	Windows 7	409	172	164
	Windows 8	0	0	0
	Mac OS 9 (and earlier)	3	0	0
	Mac OS 10	34	0	0
	Other:(workstation/Instructional Devices that have an OS that is neither Windows or Mac (e.g. Linux)	0	0	0
TOTAL (Equals totals from Section 2)		511	172	164
What percentage of all Instructional Devices does the district plan on upgrading to Windows 8 in the next 12 months?		12		
2. How many total Instructional Devices use the following Productivity Software?		Student IDU	Teacher IDU	Administrator/ Other IDU
	Office 2003 or Earlier	0	0	0
	Office 2007	0	170	96
	Office 2010	65	0	68
	Office 2013	56	0	0
	Office 2004 for Mac or Earlier	0	0	0
	Office 2008 for Mac	0	0	10
	Office 2011 for Mac	0	0	0
	Open Office or Other	390	0	0
TOTAL		511	170	174
3. Has the district began utilizing web-based productivity tools (i.e Office on-line, Google Docs, etc)		Yes		
3.a If you answered "Yes", what level of adoption have you achieved?		Minimum (1%- 5%)		

Section 4: Other Computing Devices		
Next Generation Instructional Devices	District Owned	Personally Owned
1. Number of Tablets (devices larger than a mobile phone or personal digital assistant, integrated into a flat touch screen and primarily operated by touching the screen) using the following operating system		
Apple's iOS (iPad etc)	140	10
Google's Android OS (Samsung Galaxy, Motorola Xoom etc)	0	0
Other (BlackBerry PlayBook etc)	0	1
2. Number of E-Readers (Kindle, etc)	15	10
3. Number of Handheld Wireless (iPod Touch, MP3, etc)	13	10
4. Number of Smartphones (Windows Mobile, iPhone, Droid, Blackberry, etc) - Devices which provide wireless email, texting, internet access and other on-line services.	23	25
TOTAL	191	56
Personally Owned Computing Devices (Laptops/Tablet PCs/Mobile Devices)		
1. Has the district permitted personally owned Devices to be brought to school by students?	Yes	
2. Has the district permitted personally owned Devices to be brought to school by teachers?	Yes	
3. Has the district permitted personally owned Devices to be brought to school by administrators?	Yes	
Section 5: Technology Leadership		
Service, Support and Training Resources		
Total number of days CIO/DTC position is employed during the FY13 school year	240	
1. Estimate the percentage of time the CIO/DTC spends performing the following tasks:		
1.a) Justifying, obtaining, managing funding for existing technology services or new projects (e.g., e-rate discounts, NCLB technology funds, KETS EDTECH funds, other local, state or federal funds)	5.0%	
1.b) Planning, research, preparation, engineering, procurement and installation of new technology enabled projects or major enhancements to existing instructional or administrative systems	5.0%	
1.c) Integration and training of technology tools into instructional and administrative business processes	5.0%	
1.d) Operations and maintenance of existing instructional and technology services to schools and district office	5.0%	
1.e) Technology related written communications, meetings, customer satisfaction/complaint investigations, public relations, providing data requests, personnel issues, security, and vendor management	10.0%	
1.f) Other CIO/DTC Responsibilities	10.0%	
1.g) Other Responsibilities outside of CIO responsibilities (e.g., Facilities Director, Teacher, Supt)	60.0%	

TOTAL (Section 5 : 1.a - 1.g)	100.0%
2. Number of schools with a STC?	4
3. Are they paid a stipend? If yes, what is the annual average stipend?	\$500
4. Number of FTE in-house district/school technicians that focus on daily operations and maintenance?	2.0
5. Number of FTE outsourced district/school technicians that focus on daily operations and maintenance?	0.0
6. Number of FTE district/school Technology Integration Specialists (Technology/Curriculum Resource Teachers)?	1.0
7. Number of FTE students that assist with technology leadership, services, support and training?	0.0
8. Number of schools with active STLP?	0
9. Are STLP Leaders paid a stipend? If yes, what is the annual average stipend?	\$0
Student, Instructional and Leadership Technology Skills	
Students	
1.a) Has the district implemented the technology skills for students as defined in the Program of Studies?	Yes
1.b) Are these student technology skills evaluated?	Yes
1.c) At what grade level do your students start formally learning and acquiring keyboarding skills?	3rd
Instructional and Leadership Staff	
1.d) Has the district defined and implemented technology skills and knowledge assessments as part of the district evaluation plan for teachers?	Yes
1.e) Has the district defined and implemented technology skills and knowledge assessments as part of the district evaluation plan for school leaders (central office and school level leadership)?	Yes
Digital Citizenship	
Please indicate which of the following nine elements of Digital Citizenship have been adopted as part of the district's technology culture through either curriculum or an Acceptable Use Policy for students and staff?	
Digital Access	Yes
Digital Commerce	Yes
Digital Communication	Yes
Digital Literacy/Education	Yes
Digital Etiquette	Yes
Digital Law	Yes
Digital Rights and Responsibilities	Yes
Digital Health and Wellness/Safety	No
Digital Security/Self Protection	Yes

Section 6: Network Connectivity		
School Wide Area Network (WAN) Connection to District Hub Site	# Schools	Percentage
1. Number of schools connected to WAN via following connection speed (please use advertised download speed coming into building, not actual speed in classroom or work area)		
At or greater than 200 kbps and less than 1.5 mbps	0	0%
At or greater than 1.5 mbps and less than 3 mbps	0	0%
At or greater than 3 mbps and less than 10 mbps	0	0%
At or greater than 10 mbps and less than 25 mbps	0	0%
At or greater than 25 mbps and less than 50 mbps	0	0%
At or greater than 50 mbps and less than 100 mbps	0	0%
Greater than 100 mbps	5	100%
2. Number of schools connected to WAN via Wireless?	0	0%
TOTAL	5	100%
Local Area Network Capacity within the Schools	# Schools	Percentage
1. What percentage of LAN ports are switched 1GB or above?		100%
2. What percentage of your classrooms are connected to the local area network?		100%
3. What percentage of your Instructional Devices are connected to the local area network?		100%
4. What percentage of your Instructional Devices use wireless to connect to the school LAN?		0%
5. Number of schools with wireless coverage throughout the school?	5	
6. Number of schools with existing 1 to 1 instructional device initiatives?	0%	
7. Number of schools planned 1 to 1 instructional device initiatives over the next 12 months?	0%	
Section 7: Ease of Access to Telephonic Services		
1. Number of schools that have implemented Traditional Phone System?	3	
2. Number of schools that have implemented a Voice over IP (VoIP) system?	2	
3. Number of schools that anticipate to replace/upgrade phone system in the next two years?	0	
a) Upgrade/replace to traditional phone system	0	
b) Upgrade/replace to Voice over IP (VoIP) system	0	

Section 8: Intelligent Classrooms		
1. Number of electronic image Projection Devices available to classrooms? (mounted or mobile)	151	
a) Number of mounted?	145	
b) Number of mobile?	6	
2. Number of Plasma/LCD wall-mounted units in classrooms?	0	
3. Number of interactive white-boards (mounted or mobile) in classrooms?	42	
a) Number of mounted?	42	
b) Number of mobile?	0	
4. Number of individual responder systems (using clicker type Devices)?	5	
5. Number of wireless interactive slates/pads?	149	
6. Number of Document Cameras?	35	
Section 9: Video Conferencing /Web 2.0 Collaboration /On-line Assessment		
Video Conferencing		
1. How many Classroom-type systems (Tandberg, Polycom, etc) does your district own?	0	
2. On average, how often are these systems used?	Not Applicable	
3. What other video-based communications does your district use?		
a. Desktop-based (WebEx, Adobe Connect, Elluminate, Tandberg MOVI)	Yes	
b. Web-based (iChat, SKYPE, etc.)	Yes	
c. One-way video broadcast (webcast, podcast, etc)?	Yes	
Web 2.0 Tools		
Which best describes your district's use of Web 2.0 Tools (i.e. collaboration tools, social networking tools, etc.) for instructional/educational purposes by teachers and district staff	Encouraged and supported	Concern
Which best describes your district's use of Web 2.0 Tools (i.e. collaboration tools, social networking tools, etc.) for instructional/educational purposes by students	Encouraged and supported	
Does your district have a Board Policy on the use of Web 2.0 Tools?	Yes	
Online Assessment		
Do your students use instructional devices (desktops, laptops, netbooks, etc.) for formative testing purposes?	YES	
Please indicate which of the following online formative assessment packages you use in your district (you may choose more than one)		
G-MADE (Group Mathematics Assessment and Diagnostic Evaluation)	No	
GRADE (Group Reading Assessment and Diagnostic Evaluation)	No	

PAS (Predictive Assessment Series from ThinkLink/Discovery Education)	No	
MAP (Measures of Academic Progress)	Yes	
COMPASS (Computer Adaptive Placement Assessment and Support System)	Yes	
EXPLORE	Yes	
PLAN	Yes	
Study Island	No	
Success Maker	No	
Other	Yes	
Online Learning		
How many of your schools offer on-line courses for student credit? Answer the below two questions if you have schools offering on-line courses for student credit.	1%	
Is credit given based on seat time and performance?	No	
Is credit given for mastery in the course regardless of seat time?	Yes	
Section 10: Federal Reporting		
Technology Literacy		
Number of 8th graders (school year 2012-13) that are technology literate as referenced in the Program of Studies?	187	
a) via Assessment	0	
b) via Observation	0	
c) via Assessment and Observation	187	
Number of 8th graders (school year 2012-13) that are not technology literate as referenced in the Program of Studies?	0	
Number of 12th graders (school year 2012-13) that are technology literate as referenced in the Program of Studies?	133	
a) via Assessment	0	
b) via Observation	0	
c) via Assessment and Observation	133	
Number of 12th graders (school year 2012-13) that are not technology literate as referenced in the Program of Studies?	0	
Number of teachers that are proficient in Standard 6?	172	
Number of teachers that are not proficient in Standard 6?	0	
Number of Library/Media Specialists that are proficient in Standard 6?	4	
Number of Library/Media Specialists that are not proficient in Standard 6?	0	

Number of administrators that are proficient as per the Technology Standards for School Administrators (TSSA)	11	
Number of administrators that are not proficient as per the Technology Standards for School Administrators (TSSA)	0	

Item	Current Number	Planned Number
Staffing:		
Chief Information Officer	.40 FTE	0
Technical - District Level	2.0 FTE	0
Technology Integration Specialist	1.0 FTE	0
All Technology District staff trained through KDE for LAN and WAN maintenance.		
Technical/Instructional - School Level	4 STCs (stipend positions)	0
Servers	3	0
Telecommunications:		
DID Circuits	1	0
DID Numbers	200	0
Phone Lines	23	0
Key Systems	1	0
Cell Phones	38	0
Wide Area Network (WAN):		
1 Gigabit Fiber	12 strands to BPS	0
T-1 Circuit (preschool)	2	0
Local Area Network (LAN):		
	Current Number	Planned Number
Wiring Closets	18	0
Nortel Switches	152	0
1 Gigabit Ethernet Ports	48	0
100 Megabit Ethernet Ports	52	?
Wireless 802.11 B/G	0	0
Wireless 802.11 N	18	0

The listing that follows is of current technology already installed:

- All schools and district facilities attached to a district WAN (fiber backbone in 1992)
- Multiple LANs inter-networked segmented by high speed network switches (Nortel Passport, Nortel switches)
- High speed digital phone system throughout district (Voice over IP) in the Primary, Preschool, and A-School)
- High speed internet service internet access in all offices and classrooms.
- Centralizes administrative tasks (data track)
- World- wide email service allows for electronic communication throughout the school system and world.
- Virtual access to computer for quicker response to technical problems
- Remote maintenance
- Application servers, administrative servers, WSUS server, United Streaming server, Proxy server, SQL server for STI, email server, backup servers
- Network printers
- United Streaming video through projectors as well as display teacher desktop to screen.)
- Software- Microsoft Office, Infinite Campus, McAfee, student applications (Open Office, core area support software)

All Bardstown Schools:

- Networked local area network (LAN) for data, voice and video purposes within the classrooms, media center and administrative areas - all connected to the wide area network (WAN) by fiber optic cabling.

Bardstown Family Resource and Youth Services Center

- Bardstown Family Resource and Youth Services Center are networked for data, voice and video for administrative areas - all connected to the wide area network (WAN) by fiber optic cabling.

Library/Media Centers

- All the school library/media centers have automated circulation and card catalog systems, and networked multi-workstation lab areas within the media center. All schools currently use Concourse, a web-based library system.
- All the library/media centers and classrooms have access to dedicated video and digital resources (KETS Encyclomedia, Virtual Library).

General Technology System Capacities

- **Productivity tools** - (word processing, spreadsheet, and database programs, Open Office, Microsoft Office 365) may be used in all curricular areas by P-12 students and teachers. These software tools save time and reduce mistakes as data is organized and stored. Word processing programs enhance brainstorming and encourage creativity with the variety of formatting and editing options. (Examples of the tools: Microsoft Word, Excel, PowerPoint, Publisher, FrontPage, Read, Write, Gold), Microsoft Office 365.
- **Communication** - via electronic mail (e-mail) and conducting research on the Internet are powerful learning, strategies applicable to almost all subjects and grade levels. Students may ask questions of experts and students in other locations via e-mail with online projects. Students and teachers who are proficient in searching strategies can locate current, applicable information on the Internet even more quickly. (Examples of the tools: Microsoft Outlook, Microsoft Explorer, Microsoft Office 365 – Skydrive Pro, Newsfeed, Sites).
- **Specific content-based software** may also be integrated into each content area with all grades levels. Teachers may access electronic instructional material lists identified in the textbook adoption process on KDE's webpage
- **Online reference databases** (e.g. periodical, encyclopedia) are often used either in the library media center or in the classroom to support student and/or teacher inquiry. The library media specialist can teach appropriate search strategies for these tools. (Examples of the databases: UMI ProQuest, Virtual Library) Presentation software and desk-top publishing programs allow students and teachers to synthesize and deliver information in innovative ways. (Examples of the software: Microsoft PowerPoint, HyperStudio, FrontPage, PhotoStory and various other internet e-tools.)
- **Other technologies** such as SmartBoard Technologies, Promethean, digital video projection, graphing calculators, personally-owned devices and distance education are considered to provide additional learning opportunities.

Evaluation

All strategies and activities concerning technology will be reviewed annually by the appropriate Planning Committee to determine progress toward goals. The current year plan will be reviewed and areas of completion and/or areas to still be addressed will be noted. Goals will be examined to determine whether they are still viable for the district and new goals will be added as needed. Strategies for new areas of need will also be planned by the committee at its annual meeting.

Stakeholders will be better informed about the progress of Bardstown City Schools in the areas of technology through sharing of information included in this District Technology Plan and the CDIP published on the district website. Stakeholders will have an opportunity to give input into the Technology Plan through surveys done at the school level and/or communication with Technology Planning Committee members.

All technology purchases made for the district go through an approval process that includes the school level person requesting the purchase, the school principal, and the technology coordinator. Purchases are carefully screened to make sure that they support the goals of the district concerning technology.

Board approval will validate the advances in technology in the district. Board approval will be documented in Board minutes for all major technology initiatives such as participation in KETS Offers of Assistance for purchase of hardware and software, and approval of all checks written for technology purchases.

When schools across a district have different equipment and tools, and varied levels of technical expertise, it can be difficult to support technology integration efforts and ensure that technology is supporting curricula and instruction. The creation of a cohesive and well-designed plan for resource management is one way that districts can maximize their investment in technology.

Software: Bardstown City Schools has a wide range of software packages and is often handicapped when attempting to implement a cohesive technology integration plan. Providing both support for a wide range of skills and guidance in the integration of a wide variety of software stretches support staff beyond their limits and results in unfocused professional development. Establishing a district-wide tool set of standardized software for use across the district is one approach we considered. For staff, we identified a set of software tools that is limited in number and is versatile and valuable across subject areas and grade levels can maximize the impact of the district's investment. We elected to choose two variations in the Microsoft Office "suite" of tools (i.e., Microsoft Office) or decide on common needs (i.e., word processing, spreadsheets, presentation software) and purchase different packages for use at different staff levels. Administrative staff have access to Office Professional (Outlook, Access with Business Manager, Word, Excel, PowerPoint, Publisher) while teachers have access to Microsoft Standard (Outlook, Word, Excel, PowerPoint). Students will have access to Office Professional (Outlook, Access with Business Manager, Word, Excel, PowerPoint, and Publisher) in Vocational classes and Open Office (OP Word, OP Spreadsheet, OP Presentation). Starting in February, 2013, all email account holders will have access to the cloud-based Office 365 with webmail, Skydrive Pro, Newsfeed, Sites, share point, and Lync webex apps.

Hardware: Bardstown City Schools acquires hardware to support the integration of technology with curricula and instruction in various configuration concepts like 30 workstation labs and smaller distributed virtual desktop labs of 1-6 workstations to optimize access. Creating a variety of designs for hardware deployment will increase access to technology, thereby better supporting the integration of technology with curricula and instruction.

All classrooms have at least one computer with an Internet connection. This method of technology integration helps to make technology a fixture in the daily life of teachers and students and aids faculty in forming the habit of using basic electronic communication (email and Internet). As their comfort with the technology increases, teachers will be more likely to take the next step to integrate it into classroom lessons. Presentation equipment in all classrooms (networked projector, screens, Smartboards, Airliners, Slates) reach and engage a variety of learners.

Personnel. Bardstown City Schools' most important resource is its personnel. Successful initiatives carefully plan how personnel will play a part in achieving goals. "The success or failure of technology is more dependent on human and contextual factors than on hardware or software" (Valdez et al., 2000, p. iv). Educational staff and technical support staff are required to help faculty achieve technology integration. Both roles are essential, and the absence of either can derail efforts. Many districts in recent years have recognized the need to separate these roles and assign different staff to each. This division of responsibility puts technicians in charge of setting up, maintaining, and fixing equipment, and puts technology integration specialists in charge of working with teachers and leading professional development. In this model, the technology integration specialist often has classroom expertise and is able to work with the teachers within the context of their school day.

Budget School Year: 2014-2016

Acquired/Planned Technologies and Professional Development	Costs Estimates for 2 Years	Title I PD for 2 Years	E-Rate for 2 Years	NCLB/IDEA for 2 Years	KETS for 2 Years	Carl Perkins Fund for 2 Years	Other (Local) for 2 Years	Budget Totals for 2 years
Windstream PRI (Basic Phone Services) \$12,600	25,200		20,160, Erate Pending				5,040	25,200
AT&T Mobility (Cellular Services) \$28,008	56,016		44,812, Erate pending				11,203	56,016
City of Bardstown (Internet Services) TV(1206; Internet 4,064)	10,540		Non Erate Eligible				10,540	10,540
Infinite Cohesion (Web Hosting) 4,090	8,180		6,048, Erate pending				2,132	8,180
OneCall Now (Voice Messaging) 4,174	8,348		Non Erate Eligible				8,348	8,348
Infinite Campus (KYSIS) \$15,591	31,182		Non Erate Eligible				31,182	31,182
Wireless infrastructure, wiring and points of access for main campus	250,000		Partial Erate Eligible				250,000	250,000
STC @ \$500 per STC per Year	4,000		Non Erate Eligible				4,000	4,000
Professional Development: Technology Integration Specialist salary (45,344) part-time	90,688		Non Erate Eligible				90,688	90,688
Student Workstations Primary School: 200 workstations	100,000		Non Erate Eligible		50,000		50,000	100,000
Student Workstations Elementary School: 108 workstations	64,800		Non Erate Eligible		64,800			64,800
Student Workstations Middle School: two labs: 60 workstations	36,000		Non Erate Eligible		36,000			36,000
Special Education technology upgrades/projects	10,000		Non Erate Eligible	10,000				10,000
Bardstown High CAD Lab: 20 workstations	12,000		Non Erate Eligible			12,000		12,000
AESOP Subscription for Substitutes (4,715)	9,430		Non Erate Eligible				9,430	9,430
NWEA (MAP) assessment (25,912)	51,824		Non Erate Eligible				51,824	51,824
Technology Staff salaries 2.0 (132,023)	264,046		Non Erate Eligible				264,046	264,046
TOTAL ESTIMATED	1,032,254		71,020	10,000	150,800	12,000	788,433	1,032,254

Budget Summary – Narrative

A great deal of funding for technology comes from local funds. Historically, we have been fortunate enough to receive Title IID money to be used for Professional Development. Since that is no longer available, PD within the department will be greatly reduced and the ability to assist schools with PD will be reduced as well.

Recurring fees for district wide computer software such as Infinite Campus are paid from local funds. KETS funding is the primary source of funding for workstations/mobile devices/printers for students, teachers and administrators. We are working with each school to develop a replacement cycle for workstations so they can better budget and plan for their expenses and needs.

Reimbursements from E-Rate typically go toward upgrades to infrastructure.

Fund Sources: There are *three* major sources of funds to facilitate the technology plan within the Bardstown City Schools to provide, repair and maintain the hardware, software and associated services for technology.

1. Local District Funds – These are funds allocated by the school board to support the integration of technology into the schools' curricula. The technology center staff currently consists of a part-time DTC/CIO, two Network Manager/Technicians, and one part-time Technology Integration Specialist.

2. KETS – Kentucky Educational Technology System is the main source of funds to implement the use of technology within our district. These monies consist of both state and local matching funds.

3. USF Discounts – This source of funding is from the Schools and Libraries Division of the Federal Communication Commission, and allows discounts on internal network devices and telecommunication bills. Bardstown City Schools anticipates filing for USF discounts on networking components for the upcoming school year.

The major priorities for use of these of KETS Phase II funds are as follows:

- Replacing/updating computer workstation inventory annually.
- Updating/upgrading software as appropriate.
- Providing staff with Professional Development.

PD Fund Sources

Local Board and state funding is used as appropriate to fund the many and varied Professional Development activities within Bardstown City Schools. A part-time Technology Integration Specialists provides ongoing professional development for staff at all grade levels.