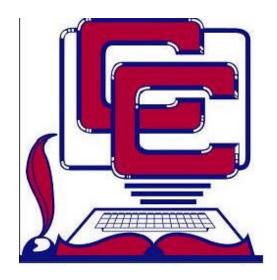# Technology Plan:

Calloway County Schools
2110 College Farm Road
Murray, KY 42071

http://www.calloway.k12.ky.us/

Prepared Date: December 11, 2007

Update to Plan Date: November 20, 2008

Plan Start Date: July 1, 2009

Plan Expiration Date: September 30, 2010

Approved Date: Pending Commonwealth Approval

Acknowledgments

Table of Contents

Executive Summary

The Technology Plan of Calloway County Schools is embedded in the Calloway County School District Comprehensive Improvement Plan. The Comprehensive District Improvement plan is designed to increase all student performance and reduce gaps in targeted populations by addressing the areas of Academic Performance, Learning Environment and Efficiency through the action plan components identified. The Comprehensive District Improvement Plan is viewed as an ongoing process which includes reviews and evaluation of district goals and strategies. The Technology Plan is derived from the District Comprehensive Improvement Plan and formatted to fit the KETS mandated format. The alignment of ideas and resources through this process will be applied to measure achievement of district goals and the status of the district Adequate Yearly Progress (AYP) and progress toward specific technology goals for staff professional development, expansion of resources and infrastructure to support and extend student achievement and skill development through Internet research, resources and integration into the curriculum. Adjustments will be made accordingly to facilitate positive outcomes for student achievement toward reaching Proficiency by 2014.

Planning Process / Methodology

1. When the Board adopted its policy and procedures on the planning process:

The Calloway County Board of Education adopted a policy on the District Planning process on November 14, 2002. On August 10, 2006 the Board amended this policy.

2. When and how the district developed its mission statement and the date of the last review:

In 1992 the Calloway County Schools originally developed a district mission statement under the leadership of the District Transformation Planning Committee. Beginning in 1998, the mission statement has been reviewed annually with the last date of review on March 24, 2008.

3. Comparison of the district strategic plan and comprehensive district improvement plan:

The Comprehensive District Improvement Plan serves as the strategic plan for the Calloway County School System.

4. When and how the district conducted a review and/or evaluation of the school and district plans:

On March 24, 2008 the Calloway County Comprehensive District Improvement Plan Committee reviewed each school plan through presentations made by school representatives. Each member of the committee also had a written copy of the plans for review. Beginning May

14, 2008 the district plan was available for review by school personnel and the public until June 6, 2008.

5. Use of a Needs Assessment process aligned with Kentucky's Standards and Indicators for School/District improvement:

The Comprehensive District Improvement Plan Committee used priority needs; results of the Kentucky Comprehensive Monitoring Process (KCMP) Report dated January 22, 2008; findings and preliminary action plans from the schools to determine district-wide needs to address in the Comprehensive District Plan, supplemented by district-level data. Sources of data for the schools and the district committee were those identified in leverage points targeted from the Standards and Indicators for School Improvement (SISI) document that are indicative of a successful school/district.

6. Timeline for completion of each step of the needs assessment work:

In January 2007 each school set a gap target. Beginning with the 2003-2004 school year, each school began to analyze its test data from both the state and district mandated assessments. On October 15, 2007 a professional development day was held to analyze in depth the school data, and each school faculty wrote a plan of action for addressing gaps and areas of need. Throughout the 2007-2008 school year, numerous surveys have been distributed to parents, students and teachers which have also provided feedback on needs to be addressed in the Plan.

7. Timeline for determining priority needs, causes, goals and objectives:

At the district team meeting, each school presented the results of the school-based needs assessment and priorities. Following these reports, the team discussed the similarities among the school needs and set priorities according to academic performance, learning environment and efficiency as outlined in the SISI document. The district-level needs were then analyzed. The committee examined critical elements of the priority needs to determine which goals and strategies were to be identified for the Comprehensive Improvement Plan.

8. Timeline for presenting priority needs, causes, goals and objectives:

The priority needs, causes, goals and objectives were presented to the Board on May 8, 2008.

9. Timeline for planning committee reviews of component drafts:

On May 12, 2008 a draft of the components was sent to all members of the Comprehensive District Improvement Plan Committee, following the component drafts reviewed by the Board on May 8, 2008.

10. Timeline for plan being presented to the community and those in attendance

The priority needs, causes, goals and objectives were shared with the Board on May 8, 2008 in a public forum with central office and building administrators, program directors, certified staff, classified staff, parents, students, and the press.

11. Timeline for Board adoption of the revised Plan:

The Board adopted the revised Plan on June 12, 2008.

12. Timeline for adoption of Section 7 allocations:

The Board approved the Section 7 allocations proposal on February 14, 2008.

13. Timeline for Board adoption of Gap Targets:

The Board accepted the Gap Targets in January 11, 2007.

14. Most recent public meeting to review the section of school Plans that deal with Gap Targets:

The most recent meeting to review the Gap Targets was on March 24, 2008.

15. What other stakeholders were involved and how:

The district-wide team was organized to include representatives of the required groups. Central office representatives were selected by the superintendent based on the individual's position and responsibilities. Each school principal and SBDM Council chose one school-based representative and one parent representative to serve on the committee. The superintendent's designee contacted local community and business representatives and invited them to participate in the process. The Family Resource and Youth Services Center coordinators nominated a representative from the FRYSC coordinators. Finally, the Calloway County Board of Education selected one of its members to represent the Board's views.

16. Additional Process for the District Technology Plan Prepared December 11, 2007 and adopted by the Calloway County Board of Education on January 10, 2008.

This Committee convened working committees to work on the major initiatives under immediate concern: (1) Program of Studies for Technology; (2) Professional Development for staff and administration; (3) Support and Maintenance of current instructional resources and (4) Expansion and support of network infrastructure. These committees met and collected information and collaborated on answers for the following documents: (1) Calloway County Comprehensive District Improvement Plan (6/07 Revision); (2) Technology Tools Readiness Survey. The results of the December 2007 Assistive Technology Inventory and Proposal was reviewed and discussed. There are new options for addressing Universal Design for Learning in our

classrooms that holds promise for future implementations.

The next meetings of the full committee were held on January 4, 2008, where the results of the needs assessment, data collection and surveys were discussed. The District Technology Plan was reviewed and the plan was approved and was submitted to the Calloway County Board of Education at its January 10, 2008 Board Meeting.

The Calloway County Technology Planning Committee held additional meetings to continue evaluation of progress and work on updates to the Technology Plan. A Meeting of the full committee was held on May 16, 2008 and the Committee heard a presentation by Tim Cornett of Microsoft Corporation on the Microsoft SharePoint Server Technology that holds significant promise to meet the instructional needs of students in Calloway. The implementation of MOSS 2007 was added as an updates to the Technology Plan. This will be a multi-year implementation due to the magnitude and scope of work required. Due to the establishment of fiber connectivity to the three elementary schools, centralized backup and restore capability is now a possibility and is another update to our Technology Plan. Another meeting of the full committee was held on November 20, 2008 to discuss progress and final revisions for the Update to the Technology Plan. A working committee meeting was held on December 10, 2008 to prepare the document for submission to the Board of Education of the Updated Plan for Board adoption. The Update to the Technology Plan was presented to the Board of Education on January 15, 2009 for the plan dated July 1, 2009 through September 30, 2010.

Technology Vision and Goals

Priority Need	Goal
There is an inconsistent use of technology across the district resulting in the need for faculty members to be trained to implement the new technology standards for teachers and incorporate the new Technology Program of Studies in all classrooms.	Provide professional development and opportunities for staff to gain skill in integrating technology into all content areas and utilizing technology for instruction. The new Technology Program of Standards provides guidance on strategies and content appropriate for developing skills and proficiency in utilizing Instructional Technology at all levels. Instruction starts with keyboarding and online academic resources beginning in Primary levels through increasing complex skill development and projects and research through graduation.
There is an increased need for technology resources that are efficient, reliable, robust and supportive for all instructional activities and administrative communications with all stakeholders.	Continual upgrade of instructional devices, network infrastructure and address Program of Studies for technology to support instructional, administrative and assessment activities.

Having built a foundation of professional development in which all stakeholders receive comprehensive and unified training, CCSD needs to continue to diversify professional development across the schools to meet individual school-identified training needs. Aging technological resources and network infrastructure have created bottlenecks and are inhibiting academic growth and efficiency in our classrooms.	Provide professional development and skill development opportunities to customize training for addressing individual student needs and school-specific instructional goals. Implement upgrades of instructional devices and network infrastructure to support instruction and communications.

Goal 1

Provide professional development and opportunities for staff to gain skill in integrating technology into all content areas and utilizing technology for instruction. The new Technology Program of Standards provides guidance on strategies and content appropriate for developing skills and proficiency in utilizing Technology instructionally at all levels starting with keyboarding in Primary through projects and research at higher levels.

Action Plan: Strategies/Activities (Optional)

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Provide school staff with access to materials and technical support needed to update aligned curriculum in all areas based on the Kentucky Core Content 4.1 and Depth of Knowledge. The Technology Program of Studies was released Summer 2006 and impacts all content areas.	This is a continuous process which will be monitored on an ongoing basis. KDE training for district teams, district wide training, combined with supervising and monitoring throughout the '09-10 school year will enhance outcomes.	7/1/09	9/30/10	$1,000 $5,000 $500 $500 $2,000	KETS PD State Preschool Program Title II Part C Carl Perkins
Attend local, state and national professional development activities to learn to implement research-based strategies and instructional techniques.	District will implement a learning environment focused on student achievement through an aligned curriculum, KERA, etc.	7/1/09	9/30/10	$8,000 $10,000 $1,000 $5,000 $3,000 $1,000	Title I Part A Basic PD Preschool FRC Title II Carl Perkins IDEA-B
Provide professional development activities focused on differentiation of instruction for all students.	Increased achievement for all students.	7/1/09	9/30/10	$5,000	PD
Continue to support STLP program to provide an effective outlet for all students to develop their technology, leadership and work skills.	Student learning in technology will be increased as evidenced by formal and informal performance assessments.	7/1/09	9/30/10	$ 500 $1,500 $ 500	KETS NonKETS NCLB Title IID
Support for integrating technology within the curriculum will be provided through KET Encyclomedia, CPS Systems and Professional Development activities, including the use of assistive technology. SharePoint Server will be implemented to provide online instructional resources and learning environment for students through Portal and Administrative Support.	Staff integration of technology will be increased as evidenced by lesson plans and administrator observations	7/1/09	9/30/10	$15,000 $5,000 $500 $15,000 $2,000 $5,000 $2,000 $20,000	KETS PD State Preschool Program NCLB Title IID Carl Perkins IDEA-Basic Title II

Make appropriate purchases of technology in compliance with the KETS Master Plan, school/district priorities, and needs of students with disabilities	Student learning will be increased as evidenced by formal and informal performance assessments in technology.	7/1/09	9/30/10	$72,000 $8,000 $2,000 $250,000	KETS NCLB, Title IID IDEA-Basic General Fund
Wiring in all schools will continue to be maintained and upgraded to provide cable for network connectivity to support speeds of 100 mbps minimum in all locations.	Student learning will be increased due to utilization of Internet resources, web resources (both Intranet and Internet), e-mail, DNS and DHCP.	7/1/09	9/30/10	$15,000	USF Local KETS Non-KETS
Network components were upgraded to provide 100 mbps switched speed to the desktop in all locations. Maintenance and support of network reliability and service continues to be a priority.	Student learning will be increased due to better utilization of Internet resources, web resources (Intra and Internet), e-mail, DNS and DHCP.	7/1/09	9/30/10	$25,000	Local, KETS and Non-KETS
Expansion of the current Internet connection between the District and State and District and Schools has been increased to provide better access to Internet and web-based resources in all Schools. Continued support for maintaining this level of bandwidth is a priority.	Increased bandwidth will have a positive affect on the instructional environment for research. Reliability and capability will expand the Internet and web-resources for classroom instruction.	7/1/09	9/30/10	$75,000	KETS USF NonKETS and General Fund
Continue implementation of standardized testing program at all grade levels to include MAPS and expand student performance analysis through curriculum-based assessment, including the use of A+ Curriculum software program.	Improve identification of needs and service delivery for all students using MAPS and A+ Curriculum.	7/1/09	9/30/10	$30,000 $4,000 $20,000 $8,000 $4,000 $6,000	General Fund PD IDEA-Basic Fund 60 Title I, Part D ESS
Training in the interpretation and analyzing of testing data using MAPS and A+ Curriculum.	Improve identification of gaps and determine service delivery needed for all students.	7/1/09	9/30/10	$4,000	PD
Purchase computers and other state-of-the-art technology equipment to upgrade the career and technical education programs to increase academic and technical skill performance.	Increase academic achievement and technical skill performance to increase attainment of Career Major Certificates or Certificates of Achievements and enrollment in nontraditional programs and completion rate.	7/1/09	9/30/10	$7,000 $10,000	Carl Perkins KETS

Goal 2

Continual upgrade of instructional devices, network infrastructure and address Program of Studies for technology to support instructional, administrative and assessment activities.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Continue to provide content area lessons centered on behavioral, life skills, and productivity standards. Embed Technology skills into all content areas and align curriculum with the Technology Program of Studies Expectations.	Teachers will design lessons to incorporate behavior, life skills, and productivity standards. Students will demonstrate appropriate behavior, life skills, and productivity skills. Teachers will incorporate technology skills development and productivity standards.	7/1/09	9/30/10	$2,000 $3,000 $12,000 $19,000 $1,000 $500 Unknown	ESS Title I Title IV Safe and Drug Free Schools Title V Innovative Education Strategies IDEA - Basic State Preschool Program
School personnel will utilize the district web page to communicate with students, parents, and community regarding updated curricular activities, extracurricular activities, and current events, information related to district special education services and other pertinent district / school information.	Increased use of district web page.	7/1/09	9/30/10	$25,000	General Fund USF
School personnel will continue to obtain training and expertise in the use of IC Modules and other technological resources	Increased use of administrative technological resources to increase efficiency	7/1/09	9/30/10	$2,500 $1000	PD ELL
Parents will be asked to provide e-mail addresses on information sheets for staff correspondence and staff will provide e-mail addresses to parents	Improved communications with parents utilizing e-mail	7/1/09	9/30/10	$20,000	USF (Supportive) Local KETS NonKETS
Provide professional development on technology integration to support the curriculum in all content areas. iSafe Curriculum for Internet use and strengthen skills in utilizing KET Encyclomedia Streaming Video resources.	Staff skill development in integration of technology in all areas of the curriculum. Focus attention on Internet Safety utilizing the iSafe Curriculum materials. Utilize the KET Encyclomedia resources for streaming video directly tied to the curriculum.	7/1/09	9/30/10	$12,000 $5000 Unknown $4,000	KETS NonKETS PD General Fund Title II Part D NCLB
Local and long distance telephone service is provided in all instructional and administrative locations to provide timely and pertinent communication with parents and community.	Improved communications and dialog between staff and parents, communicy and allow opportunities for collaborative projects and classroom management and instruction.	7/1/09	9/30/10	$36,000 $ 500 $ 1,500 $ 200 $10,500	USF Local Kets NonKETS

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Implementation of SharePoint Server (MOSS2007) centralized services to classrooms to create online instructional environments available to all students for anytime, anywhere learning opportunities.	Increase opportunities for learning at all levels to help move students to higher levels of academic achievement.	7/1/09	9/30/10	$20,000	KETS NonKETS Local
Implementation of MOSS 2007 to support communications and dialog between parents and staff which is shown to have a positive impact on student learning.	Increase opportunities for parents to be informed and involved in the academic growth of their children.	7/1/09	9/30/10	$20,000	KETS NonKETS Local
Implementation of MOSS 2007 to provide information to the community stakeholders and parents regarding important state-mandated reports and initiatives.	Provide a consistent source of information regarding academic and school related activities, calendars, etc.	7/1/09	9/30/10	$20,000	KETS NonKETS Local

Goal 3

Provide professional development and skill development opportunities to customize training for addressing individual student needs and school-specific instructional goals. Implement upgrades of instructional devices and network infrastructure to support instruction and communications.

Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
Upgrade network hardware, software and infrastructure. Internal LANs has been upgraded to Switched 10/100 Networks and wireless will be implemented. These resources will be maximized instructionally.	Enhance instructional and administrative efficiency in classrooms and all areas of the School.	7/1/09	9/30/10	$25,000 $18,000 $16,000 $3,800 $15,000	KETS Karl Perkins Title I FRYSC NonKETS Local
High speed Data lines for all district locations to provide connectivity for Internet, e-mail, DNS and DHCP services. An upgrade to Fiber is being implemented in the three elementary schools that currently face a significant bottleneck on accessing Internet and shared network resources.	Allow access to online instructional resources and collaborative instructional projects. More efficient use of shared network and Internet resources by schools remote to the District Hub site.	7/1/09	9/30/10	$60,000 $15,000	USF Local KETS NonKETS Local
High Speed Data Lines from the District Hub Site to the State and Internet was accomplished in the '07-'08 year. Continue to maximize use of these resources.	Allow access to high speed applications and online assessment applications. Allow access to real-time instructional resources.	7/1/09	9/30/10	$5,000 Support	Local

Upgrade and refresh of computers and related technology in all schools to support instruction and assessment continues to be a priority.	Provide robust, efficient and up-to-date resources for classroom instruction and assessment. The Department of Defense Computers for Learning is a new resource for refreshing and upgrading computers in our classrooms.	7/1/09	9/30/10	Support	Local DoD CFL

Staff Training/ Professional Development Goals

1. <u>Program of Studies</u> --Provide school staff with access to instructional materials and technical support needed to update aligned curriculum in all areas based on the Kentucky Core Content 4.1 and Depth of Knowledge. The Technology Program of Studies was released in the summer of 2006 and will be embedded in all content areas. Provide content area lessons centered on behavioral, life skills, and productivity standards. Embed Technology skills into all content areas and align curriculum with the Technology Program of Studies.

2. <u>Research-based Strategies and Techniques</u> --Teachers and administrators will attend local, state and national professional development activities to learn to implement research-based strategies and instructional technology techniques.

3. <u>Differentiation of instruction</u> --Professional development activities focused on for all students will be provided for staff.

4. <u>Training on Instructional Technology Resources</u> --KET Encyclomedia, CPS Systems and assistive technology resources and applications.

5. <u>Disaggregation of Test Data and Customization of Instruction for Students</u> -Training in the interpretation and analyzing of testing data using MAPS and A+ Curriculum will be provided to individualize instruction for students and focus on areas of instructional need.

6. <u>School Information System</u> --School personnel will continue to obtain training and expertise in the use of STI Office, STI Enrollment, SETS, District STI/TEDS, STI Health Tracker and other administrative technological resources. When Infinite Campus implementation and migration is scheduled, training in the use and features of the new student information system will be conducted.

7. <u>Internet Safety</u> --Training on the iSafe Curriculum for Internet use and student safety will be conducted for staff, students and parents.

8. <u>Microsoft SharePoint Server Training (MOSS 2007)</u> – Training on the implementation, management and instructional use of MOSS 2007 will follow a Train-the-Trainer model. Microsoft Trainers and other consultants will begin training a cadre of early implementers and program coordinators on the collaborative and instructional uses of the MOSS 2007 server and libraries of information with students in our schools and communications with the parents and community. The Cadre will begin developing resources on the servers for informational and instructional use and will begin training other staff in the schools in the summer 2009. This will be a multi-year implementation project.

Current Technology and Resources

<u>Workstations</u> --Following is some of the pertinent data gathered for the Technology Tools Readiness Survey submitted in December, 2008.

1. Total workstations regardless of technical specifications:

   a. Elementary Schools 426 workstations
   b. Middle and High Schools 580 workstations

2. Workstations located in standard classrooms or labs:

   a. Elementary Schools
      i. 44% standard classrooms
      ii. 56% labs
   b. Middle and High Schools
      i. 29% standard classrooms (3 or less stations)
      ii. 71% labs (4 or more workstations)

3. Total District Workstations and percent that exceed the minimum standard defined by Kentucky Department of Education as modern and variable for some major educational applications.

   a. Total District Workstations – 1331
   b. 48% meet or exceed minimum standards

<u>Infrastructure</u> --Calloway County Board of Education is the hub site connected to the High School, Middle School and Preschool via gigabit fiber. The three elementary schools were recently upgraded to gigabit fiber connections. Calloway County is connected to the State by a 100 Mbps high speed link. Each school has a Local area network. In 2007-2008, Calloway County Schools initiated an upgrade to the network in all sites through support of eRate Funding and an interest-free, 5-year lease/purchase contract with a KETS vendor. Maintenance and support continue to be an ongoing focus.

Technology Staff --We have a staff of three full-time employees and one part-time secretary along with five School Technology Coordinators who provide both instructional and technical support in their schools. The District Technology Coordinator is the Network Administrator and also handles all reporting and administrative roles. The Secretary provides support for meetings, correspondence, purchasing and recordkeeping. The Library Media Specialist in each of the five schools is also the School Technology Coordinator and provides first line troubleshooting, instructional support and professional development for technology initiatives in the schools. The Technical Support Specialists both rotate through the five schools and handle higher level technical support calls. Professional development for technical staff is provided through state conferences, periodic staff meetings and regional technical training sessions. STCs meet periodically for staff development/train-the-trainer sessions, to share instructional information and plan initiatives and professional development opportunities for other staff members.

Instructional Staff -- Specialized instructional technology professional development is provided to School Technology Coordinators and selected staff through state and regional meetings, conferences. The School Technology Coordinators and staff provide training in each school according to the needs of each school determined through surveys and individual needs assessment information collected each year through the Comprehensive School Improvement Plan process. This year we participated in the SpeakUp initiative which will give us data collected through a national initiative regarding instructional use of technology in our schools and feedback on student, staff, parent and administrator needs and opinions.

Strategies and Activities employed to achieve goals:

- Make appropriate purchases of technology in compliance with the KETS Master Plan, school/district priorities, and needs of students with disabilities. We have recently been involved with the Department of Defense Computers for Learning initiative that allows us to acquire computers and other technology for placement in our schools.
- Wiring in all schools will continue to be maintained and upgraded to provide cable for network connectivity to all instructional and administrative locations.
- Network components were upgraded to provide 100 mbps switched speed to the desktop in all locations. We will continue to maintain and support our cable infrastructure.
- Continue professional development in utilizing and maximizing instructional impact in all classrooms.
- Local and long distance telephone service is provided in all instructional and administrative locations to provide timely and

pertinent communication with parents and community.

- Expansion of the current Internet connection between the District and State and fiber connectivity between District and Schools provides better access to Internet, Streaming Video, curriculum, research and web-based resources in all Schools.
- Upgrade of High speed Data lines connecting all district schools to the Board hub site provide high-speed connectivity for Internet, e-mail, DNS and DHCP services.

Evaluation

Evaluation of the Technology Plan follows the Comprehensive District Improvement Plan model with frequent review of the progress of implementation of various goals/strategies and impact of key initiatives on instruction and growth of students and staff. This is a continuous improvement model and not bounded by artificial boundaries of time but rather reviewed and refined over time. Through frequent meetings and discussions of instructional and technical needs a picture of the current health and growth in the district is developed and on a yearly basis the district goes through a very detailed and systematic analysis of where we started, where we have been and where we are going in our movement toward Proficiency by 2014.

Of special interest during this biennium, the alignment of curriculum to the Kentucky Core Content and Technology Program of studies is a continuous process which will be monitored throughout the '08-'10 school years. KDE/OET training for district teams, district wide training, combined with supervising and monitoring throughout the '08-'10 school years will enhance outcomes. The addition of the Technology Program of Studies and the impact of the NETS standards for students technology use make it imperative for all teachers to become even more focused and skilled on integrating technology into all curriculum areas and teach specific skills to students in a systematic and planned fashion. This will take renewed dedication, focus and training in every school at every grade level to achieve.

Specific meetings of School and District staff charged with specific areas of the Comprehensive Improvement Plans and Technology Plan meet and systematically review the indicators of improvement and impact of goals on instructional growth and progress on specific technology initiatives. Principals and administrators meet often in administrative meetings with the Superintendent and specific technology initiatives and progress toward goals are discussed. Bi-monthly core technology committee meetings are held and progress toward goals and specific technology initiatives are reviewed.

Budget

The MUNIS Office of Education Technology (OET) Activity Report indicates over $680,000 spent on technology initiatives across the District in Fiscal Year 2007. Approximately $175,000 was spent from KETS funds and $505,000 from all other fund sources. Of the total funds spent on Technology, approximately $225,000 was spent on hardware including workstations, file servers, printers and Multimedia devices. Approximately $60,000 was spent on Professional Development activities and almost $200,000 was spent on software. Salaries accounted for approximately $125,000 with the remainder for miscellaneous technology and telecommunications costs.

For Fiscal Year 2010, those fund sources specific to Technology and under the control of the District Technology Coordinator and Technology Planning Committee include:

- EdTech Funds (State Offers of Assistance and District Match) – Funds received for the FY2009 funding year amounted to approximately $13/ADA and are restricted according to the Master Plan for Technology. These funds are matched by the district and amounted to approximately $65,000 for the 2009 Fiscal Year. Anticipated funding for the 2010 FY year may be slightly less.
- Title II, Part D – Enhancing Education Through Technology Funds – These are Federal funds available to improve student educational opportunities in technology. A minimum of 25% of these funds must be spent on Professional Development activities for instructional staff. Funding in FY2009 amounted to just under $7,000. Funding is uncertain for the coming year.
- Department of Defense Computers for Learning – Is a new program we participated in during the FY2009. We received 175 workstations, 84 Monitors and 6 Laptops. The program has been temporarily suspended but we will continue supporting these machines in our environment for the coming year. We hope the program will be reinstated and become a dependable source of technology in our classrooms.
- Universal Service Fund (eRate) Discounts – This federal government provides funding for specific eligible services and products. Discount rates are computed according to Free and Reduced Lunch applications and urban/rural designations according to federal guidelines. These discounts provide funding for telecommunications and selected internal connections – For Year 12 (FY 2009-2010) the shared discount rate for Calloway County Schools is 78%. The services and products purchased require district funds to pay the remaining 22% of costs through allowable district and school fund sources. We do not anticipate a significant change in that rate in the foreseeable future. The eRate program is currently in its 11th year and we have applied for funding

for Year 12 which begins in July, 2009. In January 2008 fiber links to our three elementary schools were installed to move us from 1.4 mbps bandwidth to gigabit speeds. This improves access to the Internet and shared instructional resources for all elementary school students and staff.

- Other Funding Sources – Other funding sources include local, state and federal funds awarded to Calloway County Schools and expended according to the Kentucky Department of Education Funding Matrix of allowable expenditures. Many projects and fund sources allow purchase of services and products that are eligible for discount through eRate. Other projects and fund sources allow for purchase of hardware and software for instructional technology, assistive technology, professional development and other technology related purposes. Local Board funds are also utilized to support and expand our technology resources and infrastructure.

School Year: 2009-2010
Annual Budget Summary
Note: duplicate this page for each year as needed (if a multiyear plan)
o   List the professional development and technologies to be acquired during each year of the agency's plan.

o   List all funding sources for recurring services, anticipated purchases, and professional development.

o   Include the total of all technology resources to support the district's technology initiatives.

o   Note: At least 25% of the funds allocated to an LEA through the *Title IID ED Tech Program* (Competitive and Non-Competitive), must be allocated for professional development activities.

o   This information will be helpful in completing Item 25D on the E-Rate Form 471.

Acquired Technologies and Professional Development	Ed Tech Competitive Title IID	Ed Tech Formula Title IID	E-Rate	NCLB/other than Title IID	KETS	Other (Specify)
Professional Development		$2,500			$22,000	$35,000
Hardware		$3, 250			$60,000	$180,000
Software		$1,250			$50,000	$65,000
Telecommunications – Voice Local and Long Distance, Cell Service			$37,500			$12,500
Telecommunications – Fiber			$46,500			$14,500
Technical Support and Salaries					$5,000	$120,000
TOTAL		$7,000	$84,000		$137,000	$427,000

Addendum to Technology Plan Template

The No Child Left Behind, Enhancing Education Through Technology Title II D program, both formula and competitive funds, requires that the State Education Agency (SEA) review and ensure that District Technology plans and/or Comprehensive District Improvement Plans (CDIP) include the following twelve components.

If any of the twelve components are addressed in the 2009/2010 Technology Plan or CDIP, please reference the specific page and/or section. Any items not addressed in either of these documents, must be addressed in this addendum.

The term 'applicant' and 'local education agency' refers to the district.

	Location in CDIP – Indicate Page Number	Location in Technology Plan – Indicate Section	Identify here if not addressed in CDIP or Technology Plan
1. A description of how the applicant will use Federal funds under this subpart to improve the student academic achievement, including technology literacy, of all students attending schools served by the local educational agency and to improve the capacity of all teachers teaching in schools served by the local educational agency to integrate technology effectively into curricula and instruction.	A1.1 P10; A10.2 P18; B1.1 P25; B5.5 P31	Executive Summary, Page 1; Goal 1, Page 5-6;	Federal, State and local funds purchase and provide professional development in the use of a variety of technologies and resources. These support and extend academic learning and technology literacy though the use of projectors and networked computers and include Microsoft Sharepoint Server 2007, ThinkFinity and I-Safe Curriculum resources, Digital Citizenship and ISTE Standards.
2. A description of the applicant's specific goals for using advanced technology to improve student academic achievement, aligned with challenging State academic content and student academic achievement standards.	A1.1 P10	Executive Summary, Page 1; Goal 1, Page 5-6;	The Technology Program of Studies provides guidance and goals for student acquisition of advanced technology skills to support academic achievement aligned with the State Curriculum framework.
3. A description of the steps the applicant will take to ensure that all students and teachers in schools served by the local educational agency involved have increased access to educational technology, including how the agency would use funds under this subpart (such as combining the funds with funds from other sources), to help ensure that— (A) students in high-poverty and	A4.3 P14; A4.4 P14; A9.3 P17	Planning Process/ Methodology Pages 1-4; Goal 1, Page 5-6; (A)All schools in Calloway are allocated funds to provide equal access for	

high-needs schools, or schools identified under section 1116, have access to technology; and (B) teachers are prepared to integrate technology effectively into curricula and instruction.		student of all socio-economic levels and needs. (B) Siginificant focus is placed on Professional Development and integration of technology into classroom instruction.	
4. A description of how the applicant will— (A) identify and promote curricula and teaching strategies that integrate technology effectively into curricula and instruction, based on a review of relevant research, leading to improvements in student academic achievement, as measured by challenging State academic content and student academic achievement standards; and (B) provide ongoing, sustained professional development for teachers, principals, administrators, and school library media personnel serving the local educational agency, to further the effective use of technology in the classroom or library media center, including, if applicable, a list of the entities that will be partners with the local educational agency involved in providing the ongoing, sustained professional development.	A1.4 P12; A4.2 P13; B5.5 P31	Goal 1, Page 5-6; Goal 2, Pages 7-8 Staff Training/ Professional Development Goals, Pages 9-10	
5. A description of the type and costs of technologies to be acquired under this subpart, including services, software, and digital curricula, and including specific provisions for interoperability among components of such technologies.	B1.1 P25;	Goal 1, Page 5-6; Goal 2, Page 7-8; Goal 3, Page 8-9 Current Technology and Resources, Pages 10; Budget Pages 13-15	

6. A description of how the applicant will coordinate activities carried out with funds provided under this subpart with technology-related activities carried out with funds available from other Federal, State, and local sources.	B1.1 P25; B5.5 P31	Goal 1, Page 5-6; Goal 2, Page 7-8; Goal 3, Page 8-9; Budget Pages 13-15	
7. A description of how the applicant will integrate technology (including software and other electronically delivered learning materials) into curricula and instruction, and a timeline for such integration.	A4.2 P13;	Goal 1, Page 5-6; Goal 2, Page 7-8; Staff Training/ Professional Development Goals, Pages 9-10	Integration of Technology into our curriculum and classroom environments is an ongoing process that we have been engaged in since the early 1990's – as long as there are new technologies and skills to be developed we will continue to focus on building and adding to our toolboxes. The current year and for several more years PD will include work on the Microsoft SharePoint Server web resources for internal (portal controlled) online classroom environments as well as Internet resources for parents and community members. I-Safe, Digital Citizenship and ThinkFinity are additional curriculum resources and projects that will be used in our schools.

8. A description of how the applicant will encourage the development and utilization of innovative strategies for the delivery of specialized or rigorous academic courses and curricula through the use of technology, including distance learning technologies, particularly for those areas that would not otherwise have access to such courses and curricula due to geographical isolation or insufficient resources.	B5.5 P31	Goal 2, Page 7-8; Staff Training/ Professional Development Goals, Pages 9-10	Integration of Technology into our curriculum and classroom environments is an ongoing process that we have been engaged in since the early 1990's – as long as there are new technologies and skills to be developed we will continue to focus on building and adding to our toolboxes. The current year and for several more years PD will include work

			on the Microsoft SharePoint Server web resources for internal (portal controlled) online classroom environments as well as Internet resources for parents and community members. I-Safe, Digital Citizenship and ThinkFinity are additional curriculum resources and projects that will be used in our schools.
9. A description of how the applicant will ensure the effective use of technology to promote parental involvement and increase communication with parents, including a description of how parents will be informed of the technology being applied in their child's education so that the parents are able to reinforce at home the instruction their child receives at school.	B3 PPS 28-29;	Goal 2, Page 7-8;	Parent Portal access to our Infinite Campus resources along with the implementation of the Microsoft SharePoint Server and E-Mail resources will enhance communications and allow a dialog between teachers and parents focused on student achievement and strengthen the home-school connection.
10. A description of the process and accountability measures that the applicant will use to evaluate the extent to which activities funded under this subpart are effective in integrating technology into curricula and instruction, increasing the ability of teachers to teach, and enabling students to meet challenging State academic content and student academic achievement standards.		Evaluation, Page 12	
11. A description of the supporting resources (such as services, software, other electronically delivered learning materials, and print resources) that will be acquired to ensure successful and effective uses of technology.		Current Technology and Resources, Pages 10; Budget Pages 13-15	

12. A description of how programs will be developed, where applicable, in collaboration with adult literacy service providers, to maximize the use of technology.			Programs provided to special groups of parents/adults as needed include: Young Farmers Program, iSafe Parent Information, Cyber Bullying and FRYSC/YSC programs for parents.