

# GREEN COUNTY SCHOOL DISTRICT

## TECHNOLOGY PLAN

GREENSBURG, KENTUCKY



<http://www.green.k12.ky.us/>

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# Acknowledgments

## District Technology Staff

**Chad Davis, District Technology Coordinator**  
**Kevin Jeffries, Network Technician**

## School Library Media Specialists

**Vickie Buckman, Green County High School**  
**Brenda Hall, Green County Middle School**  
**Tracy Lewis, Green County Intermediate School**  
**Elizabeth Mikowski, Green County Primary School**

## Additional District Contributors

**Marshall Lowe, Superintendent**  
**Marcie Goff, Chairperson, Green County Board of Education**  
**Jim Frank, Finance Officer, Green County Schools**  
**Donna Patterson, Instructional Supervisor, Green County Schools**  
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**Rhonda Simpson, Director of Special Education**  
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**Tim Deaton, Principal of Green County Middle School**  
**Paul McQueary, Principal of Green County Primary School**  
**Tony Patterson, Principal of Green County Intermediate School**  
**Ben Davenport, Alternative School**  
**Rick Atwell, Principal of Green County Area Technology Center**  
**Adam Whitlock, Director of Transportation and Maintenance**  
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## School Technology Coordinators

**Pam Deaton, Green County High School**  
**Judy Corbin, Green County Middle School**  
**Ann Durham, Green County Intermediate School**  
**Laura Agee, Green County Primary School**

## Technology Resource Teachers

**Susan Ryan, Green County Schools**

## Students

**Callee Nunn, Student of Green County High School**  
**Breanna Givens, Student of Green County Middle School**  
**Molly Frank, Student of Green County High School**  
**Landon Matney, Student of Green County High School**

## Other

**Jerry Cowherd, City Council Member**  
**Dale Curry, Pastor of Greensburg United Methodist Church**  
**Ron Jones, Parent, 911 coordinator**

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# Executive Summary

## Planning Process / Methodology

The District Technology Committee, consisting of members from each school, the central office, various ethnic and interest groups, and the community, meets as needed to discuss school committee findings, to prioritize goals, to consider concerns, and to plan for purchases. Members of school and district committees attend local, regional, and state training sessions and share information.

Full participation of all stakeholders has been encouraged in the planning process. Each school committee has a variety of ethnic/interest groups to insure all areas have input. Training for parents, classified staff, certified staff, and community partners is encouraged and supported. School committees, SBDM subcommittees, parents and business and industry representatives working together form partnerships in the decision-making process.

School and district committees analyzed assessment scores and needs assessment results, appraised the obstacles to student achievement, and brainstormed ideas to overcome those obstacles. School committees inventoried their current technology, viewed their school's status on the District Facilities Plan, trained trainers, and prioritized their goals accordingly in practical, achievable increments.

Technology planning and coordination of activities between funding sources were interwoven into and became an integral part of the school and district improvement planning process. The following goals emerged based on teacher interviews and survey results, Professional Development Needs Assessment data, and District Needs Assessment Committee Analysis reports.

# Technology Vision and Goals

## Goal 1

**The district will provide all educators and students with equal and readily available access to current technologies.**

## Goal 2

**Technology will be integrated into instruction in all classrooms and will provide flexibility of instruction to incorporate various learning styles and needs by building around the core subject areas of language arts, math, science and social studies.**

## Goal 3

**Educators and students will be encouraged to embrace technology as a vital communication, educational, and management tool by exposing them to technological possibilities and solutions with the addition of smart classroom technologies and mobile internet enabled devices in their buildings and individual rooms.**

## Goal 4

**Our staff will become more proficient in the integration of technology.**

## Goal 5

**District staff will be provided on-going, timely support and training as they practice newly learned technical skills promoting self-confidence as they strive to meet the "Technology Standards for Kentucky Teachers (Beginning and Experienced), which were designed to help them integrate, communicate and facilitate learning.**

## Goal 6

**District staff will use content from numerous sources, classroom-appropriate assessments and varied smart classroom technologies to create a learning environment where students can acquire technology skills that are current.**

## Goal 7

**Our students will become more proficient in the use of by technology by utilizing technology available in their building composed of smart classroom equipment, including but not limited to Examview, UnitedStreaming, Promethean, Interwrite, SMART branded technologies and mobile internet enabled devices, as an integral part of the learning process.**

## Goal 8

**Various forms of assessment including but not limited to MAP, A+LS, CATS, Accelerated Reader, Accelerated Math, and STAR Reading, will be used to evaluate students' progress toward proficiency.**

## Goal 9

**Communication between staff, students, parents and the community will be improved and encouraged using Instant Messaging, Blogs, classroom websites, newsletters, and other forms of publications and communication technologies.**

## Goal 10

**Network access will be added using wireless/wired, remote access technologies and mobile internet enabled devices.**

## Goal 11

**New communication including Instant Messaging, Blogs, classroom websites, newsletters, and other forms of publications technologies in addition to e-mail will be used to increase student interest in communication and collaboration.**

## Goal 12

**A mobile learning environment providing one-to-one availability of anywhere and anytime learning for both staff and students will be sought.**

## Goal 13

**Student achievement, including technology literacy, of all students is improved through the use of technology.**

## Goal 14

**Teachers effectively use technology and research-based instructional practices to support student learning.**

# Action Plan: Strategy/Activity

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
The district will continually seek new, creative and diverse technologies to provide students and staff an optimal learning and teaching environment.	Improved staff proficiency as evidenced by district walkthrough and TRT evaluations.	7/01/2007	Ongoing	\$76,000	Local Funds, KETS, KISTA, E-Rate, Grants
<p>The district will seek to improve network connection speed, availability and reliability to promote readily available access to information.</p> <p>The district will upgrade, or purchase new hardware and software to provide the most current, reliable and robust teaching and learning environment.</p> <p>The district will maintain and purchase software licensing as needed.</p> <p>The district will provide content filtering for the safety of staff and students. The district will seek to improve communication methods and collaboration tools.</p> <p>The district will coordinate activities between various funding sources.</p>	<p>Improved staff proficiency as evidenced by district walkthrough and TRT evaluations.</p> <p>Improved student scores as evidenced by state assessment test, and local assessment.</p> <p>Increase internet safety such as less cyber-bullying as evidenced by local assessment.</p> <p>Increase and improve communication between staff, students, and parents by adding additional cellular and land lines, electronic communications and paper-based notifications.</p>	<p>7/01/2007</p> <p>10/2009</p> <p>10/2009</p> <p>10/2009</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>	<p>\$292,000</p>	<p>Local Funds, KETS, KISTA, E-Rate, Grants</p> <p>Title II-D Non-Competitive, Local Funds</p> <p>Title II-D Stimulus, Local Funds</p> <p>IDEA B Stimulus, Local Funds</p>
The percentage of teachers qualified to use technology for instruction will increase.	The percentage of teachers, in the aggregate and in high poverty schools, who are qualified to use technology for instruction will increase by ½ from the baseline year 2008-2009 to the year 2009-2010 and by ½ more to the year 2010-2011.	11/1/2010	Ongoing	<p>45,000</p> <p>12,500</p>	<p>ARRA EETT Title II Part D Competitive, Local Funds</p> <p>Local</p>
The District will plan for and pursue a one-to-one device ratio for staff and students with optional “always on” internet access.	Increase communication, collaboration, productivity and technology proficiency.	7/1/2010	Ongoing	1481057.00	<p>Local Funds, KETS, KISTA, E-Rate, Grants</p> <p>Title II-D Non-Competitive, Local Funds</p> <p>Title II-D Stimulus</p> <p>IDEA B Stimulus</p>

Student Technology Literacy Skills

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
The percentage of students by the end of grade 8 that meet or exceed state standards for student literacy in technology will increase.	The percentage of students by end of grade 8 that meet or exceed state standards for student literacy in technology will increase by ½ from the baseline year 2008-2009 to the year 2009-2010 and by ½ more in the year 2010-2011.	11/1/2010	Ongoing	45,000  12,500	ARRA EETT Title II Part D Competitive  Local
The percentage of students by the end of grade 8 who are performing at or above grade level in mathematics will increase.	The percentage of students by the end of grade 8 who are performing at or above grade level in mathematics will increase from 44% in the baseline year 2008-2009 to 50% in the year 2009-2010 and will increase at least 6% more in the year 2010-2011.	11/1/2010	Ongoing	45,000  12,500	ARRA EETT Title II Part D Competitive  Local
Teachers will teach from the aligned/mapped curricula and will complete a core content checklist with assessment for documentation of when core content/POS was taught and how core content/POS was assessed.	Student proficiency will increase after having been taught what is measured on state assessments as measured by assessment reports and teacher observation.	7/1/2010	Ongoing		Title I Part A Basic  Title II Teacher Quality  Local
Using Simple Assessment to diagnose technological needs of students and utilize data as an instructional guide.  Use of Technology teachers in the elementary grades for introducing students to Microsoft Word, PowerPoint, and Excel.  GCMS also utilizes the Technology teacher to teach the Practical Living/Career Studies content through the use of technology.	Student proficiency will increase after having been taught integration of content and technology to include, but not limited to creating letters, memos, various publications with specified text features.	7/1/2010	Ongoing		GCMS grant, Enhancing Education Through Technology (EETT)  Local

Strategy/Activity	Instructional Outcome	Begin Date	End Date	Cost	Funding Source
<p>The district will provide training in the best ways to implement and utilize available resource, by assessing staff training needs, especially for new staff, conducting follow-up training and provide technical support for all offered professional development sessions, and developing recommend procedures to assure that staff share with colleagues and utilize what they have learned in PD training.</p> <p>The district will increase focus on training, on implementation, and utilization of previous purchases.</p> <p>This will be accomplished by proposing the increase of an instructional technology allocation for each school to assist in promoting these technology utilization and integration environments.</p>	<p>Improved staff proficiency as evidenced by district walkthrough and TRT evaluations.</p> <p>Improved student scores as evidenced by state assessment test, and local assessment.</p> <p>Improved student scores as evidenced by state assessment test, and local assessment.</p>	7/1/2007	Ongoing	\$30,000	Local Funds, Title II Part D, Grants
<p>Teachers will teach from the aligned/mapped curricula and will complete a core content checklist with assessment for documentation of when core content/POS was taught and how core content/POS was assessed.</p> <p>GCMS Technology teachers integrate the content of Practical Living/Career Studies with technology skills.</p>	<p>Student proficiency will increase after having been taught what is measured on state assessments as measured by assessment reports and teacher observation.</p>	7/1/2010	Ongoing		<p>Title I Part A Basic</p> <p>Title II Teacher Quality</p> <p>Local Funds</p>
<p>Continued technology training to expand usage and to meet technology proficiency standards will be implemented with the assistance of a District-Wide Technology Resource Teacher.</p> <p>Writing Program Review requires a technology component. Each school is required to use technology as a tool to research, organize, evaluate, and communicate information.</p>	<p>Increased proficiency and use of technology as measured by PD summary/evaluation reports and usage logs will be demonstrated.</p> <p>Students will be able to create analyze and evaluate multimedia texts, create products for electronic portfolios, and/or make thinking public beyond the classroom (website, blogs, etc.)</p>	7/1/2010	Ongoing	40000	<p>Title V PD</p> <p>Title I, Part C</p> <p>Carl D. Perkins Fund</p> <p>Local Funds</p> <p>Grants</p>

# Staff Training/Professional Development Goals

Professional Development will be provided locally and at the regional and state level. Professional Development will be an ongoing process as requested by staff and/or mandated by the local school, district and/or state agencies. Professional Development will be used to support the needs of new and existing staff as we continue to integrate training into the districts professional development plan. The training will be in the form of but not limited to the following:

- United Streaming PD
- PW Trans PD (Transportation Software)
- Smart Classroom Technology PD
- Adobe Studio 8 PD
- Infinite Campus PD (Student Information System)
- PLATO PD
- Small Group Studies
- Novel Stars PD (credit recovery)
- E-School PD (credit recovery)
- In-service
- AutoCAD PD
- Peer Mentoring
- MAP Assessment PD (Measure of Academic Progress)
- Student Tutoring
- AUP (Appropriate use Policy) Training and Awareness PD
- District/School Technology Meetings
- Carnegie Learning
- Renaissance Learning (Accelerated Math, Accelerated Reader ...etc)
- School Visitations
- RM Easyteach Software
- TurningPoint
- Mobile Internet Devices
- Helpdesk and STLP
- Mobile Devices
- SMS/Text Messaging
- Social Media
- Web 2.0 Technologies
- Unified Messaging (Voice/Voice Mail/Fax/Instant Messaging/Video Conferencing/etc..)
- One-Call-Now (Parent, Student and Staff notification System)
- Online/Electronic Text books
- Destiny/Follett
- Document Camera
- Study Island
- Classroom Audio System

# Current Technology and Resources

Currently the technology staff consists of a full time DTC (District Technology Coordinator), a full time technician, and a full time TRT (Technology Resource Teacher). The DTC oversees the entire operation of the technology for the district. The technician supports the DTC in the everyday running of the operation of the district. The TRT works with the technology staff and the staff of the school district.

Our current technology consists of 111 projectors, 64 wireless smart tablets, 60 smart boards, five projection TV's, 57 Classroom Performance Systems, 15 digital cameras, 6 digital camcorders, 15 PDAs, 60 laptops, 200 terminals, 35 servers and 725 desktops. Our phone systems, security systems, multimedia capabilities, are being upgraded currently. We will be seeking to expand our phone system into a unified communication system incorporating texting, fax, voice mail, call conferencing, video conferencing, instant messaging and other technologies into our existing voice and cellular systems.

We are in the process of upgrading and modernizing our camera system servers to better support and maintain a safe learning environment. Implementation and evaluations are underway of an automated calling system (One Call Now) to provide near instant notification to students and parents regarding vital school notifications. Coordination of activities between funding sources are continuous and ongoing. We are continuing a multiyear initiative to place smart classroom technology in each classroom modernize existing phone systems and provide for wireless connectivity in each building. We plan to add 200 new MID (Mobile Internet Devices) for staff and students as a pilot and expand to 2000 MIDs in stages as we have success with each previous deployment. These MID will consist of phones, tablets, netbooks or an equivalently capable device. Our current goal is to provide "Anywhere and Anytime Learning" to our staff and students with the future goal of "Everywhere and All the Time Learning".

Our internal assessment shows availability and abundance of technology to be a liability. The smart classroom technology is a current trend that holds great promise in dramatically affecting student and teacher communication and learning. The limiting factor is availability and complicated setup and configuration. The district is purchasing this technology to increase availability and mounting the hardware to prevent the need for setup and configuration. Our goal is to add 200 staff MID, 1800 student MID, 150 new workstations (desktop and/or laptop), 70 smart classroom bundles to include projectors, document cameras, wireless tablets, in-ceiling speakers, smart boards, CPS and software, as well as 10 servers and various accessories. We will then evaluate and the impact of these additions and make adjustments for future purchases.

The type of trainings needed relate to the types of technology available now and becoming available in the future and include but are not limited to the following:

- United Streaming PD
- PW Trans PD (Transportation Software)
- Smart Classroom Technology PD
- Adobe Studio 8 PD
- Infinite Campus PD (Student Information System)
- PLATO PD
- Small Group Studies
- Novel Stars PD (Credit recovery)
- In-service
- AutoCAD PD
- Peer Mentoring
- MAP Assessment PD (Measure of Academic Progress)
- Student Tutoring AUP Training and Awareness PD
- District/School Technology Meetings
- School Visitations
- Interwrite
- Promethean
- Smart branded technologies
- ExamView
- Carnegie Learning
- Renaissance Learning (Accelerated Math, Accelerated Reader ..etc)
- RM Easyteach Software
- TurningPoint
- STLP
- MID (Mobile Internet Devices)
- SMS (short message service/Text Messaging)
- Social Media
- Web 2.0 Technologies
- Unified Messaging (Voice/Voice Mail/Fax/Instant Messaging/Video Conferencing/etc..)
- One-Call-Now (Parent, Student and Staff notification System)
- Online/Electronic Text books
- Destiny/Follett
- Document Camera
- Study Island
- Classroom Audio System

# Evaluation

Careful tracking of assets and inventory control will be used to ensure appropriate use of resources and sufficient accessibility. Coordination of activities between funding sources are continuous and ongoing. District evaluation of the technology plan and its goals will include but not be limited to the following:

- CATS Scores
- Technology Walk through Documents
- School and District Observation
- Measure of technology use by TRT and other Administrative Staff.
- Computer usage as measured by KDE network monitoring.
- Software usage as measured by district monitoring tools.
- Student projects produced.
- Teacher proficiency in the use of technology as measured by the ISTE standards and indicators.
- Periodic review of the technology plan as part of the school and district planning process, including tracking progress toward specific goals and adjust goals and activities accordingly.
- Periodic review of school and district needs as evidenced by computer lab logs, school inventories, circulation records, and school technology plans.
- Proxy monitoring as a review and evaluation as a supplement to classroom management of our internet usage to ensure CIPA compliance.
- Periodic review and re-evaluation of the coordination of activities between funding sources as evidenced by usage logs, receipts from purchase orders and group meetings.

## Budget

The annual budget summary on the following pages reflects sufficient resources to acquire and support all technology outlined in this plan. Expenses include e-rate discounted and non discounted hardware, software, professional development, and other miscellaneous costs associated with each goal. The careful combination of board-allocated funds, along with e-rate discounts and reimbursements, state and federal funds is key to maintaining and improving our level of technology services and coordination of activities between funding sources are continuous and ongoing.

# Approximate Budget Summary 2011-2012

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)
KETS Workstations (including Desktop, Laptop, and Mobile Devices)						\$225,000.00 Local and Grants
KETS Servers and Switches			\$ 98,157.28		\$24,539.32	
Printers						\$ 5,000.00 Local
Wired and Wireless Networking			\$ 176,728.30		\$44,182.07	
Technology PD						\$ 40,000.00 Local and Grants
Phone Service/Telecommunication/ etc			\$ 353,280.00			\$ 88,320.00 Local
Smart Classroom Technologies (Wireless tablets, Projectors, DVD/VCRs, Document Cameras, etc ...)						\$ 30,000.00 Local and Grants
Phone System			\$ 49,972.40			\$ 12,493.10 Local
Mobile Internet Access			\$ 1,481,057.00			\$370,264.00 Local and Grants
Multimedia (Scanners, Digital Camera, Camcorders, etc...)						
Salaries						\$135,736.00 Local
Maintenance on Workstation						
Instructional Software – Various Titles						\$ 40,000.00 Grant
Library Management (Follett Software and Hardware)						\$ 20,000.00 Grant
Device and Client Access Licenses			\$ 24,994.32			\$ 6,248.58 Local
Contingency Funding						\$ 20,000.00 Local
<b>TOTAL</b>			<b>\$ 2,184,189.00</b>		<b>\$68,721.39</b>	<b>\$953,061.70</b>

