

Technology Plan  
Henry County Public Schools  
New Castle, Kentucky



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

Creation Date: Jan 9, 2014  
Plan Start Date: July 1, 2014  
Plan Expiration Date: June 30, 2015

# Acknowledgments

## District Technology Staff

Nikkol Bauer, Chief Information Officer  
Drew Kirkman, IT Specialist  
Staci Hoene, Academic Program Consultant

## District Administrators

Tim Abrams, Superintendent  
Kricket McClure, Assistant Superintendent  
Alysia Wedding, Director of Instructional Support  
Denise Perry, Director of Student Services  
Tricia Hosey, Director of Special Education  
Nikkol Bauer, Chief Information Officer

## Library Media Specialists

Robin Payton, Campbellsburg  
Rachel Burgin, Henry County High School

## School Technology Coordinators

Robin Payton, Campbellsburg Elementary  
Sarah Buckley, Eastern Elementary  
Carrie Cox, Eastern Elementary  
Debra Harris, New Castle Elementary  
Lesley Doane, Henry County Middle School  
Steve Galyon, Henry County High School

## Principals

Mark Johnson, Campbellsburg Elementary  
Sharon Bright, Eastern Elementary  
Eric Davis, New Castle Elementary  
Zach Woods, Henry County Middle School  
Lucia Hughes, Asst. Principal, Henry County Middle School  
Shannon Sageser, Henry County High School  
Austin Hunsaker, Asst. Principal, Henry County High School

## Teachers

Barney Sutley, Henry County High School

## Table of Contents

<b>EXECUTIVE SUMMARY .....</b>	<b>1</b>
<b>PLANNING PROCESS AND METHODOLOGY .....</b>	<b>1</b>
<b>CURRENT TECHNOLOGY AND RESOURCES .....</b>	<b>2</b>
<b>CURRICULUM AND INSTRUCTIONAL INTEGRATION GOALS.....</b>	<b>5</b>
<b>CURRICULUM AND INSTRUCTIONAL INTEGRATION GOALS – EVALUATION.....</b>	<b>6</b>
<b>STUDENT TECHNOLOGY LITERACY GOALS .....</b>	<b>7</b>
<b>STUDENT TECHNOLOGY LITERACY GOALS - EVALUATION .....</b>	<b>8</b>
<b>STAFF TRAINING/PROFESSIONAL DEVELOPMENT GOALS .....</b>	<b>9</b>
<b>STAFF TRAINING/PROFESSIONAL DEVELOPMENT GOALS – EVALUATION .....</b>	<b>10</b>
<b>TECHNOLOGY GOALS .....</b>	<b>11</b>
<b>TECHNOLOGY GOALS – EVALUATION .....</b>	<b>13</b>
<b>BUDGET SUMMARY.....</b>	<b>14</b>
<b>APPENDIX A – EVALUATION OF THE 2013-2014 PLAN .....</b>	<b>15</b>
<b>APPENDIX B – EVIDENCE FOR SELECTED 2013-2014 PLAN ACTIVITIES .....</b>	<b>18</b>

## Executive Summary

Henry County Public Schools believes that technology is an inextricable component of education. Technology tools and applications are increasingly used for a wide variety of educational purposes. Teachers and staff use productivity tools, student information systems, email and the Internet on a daily basis to perform their jobs. Email and online communication tools are being used to communicate with parents and colleagues. Paper-and-pencil tests are slowly being replaced by online formative assessments, providing for quicker results and giving teachers the ability to adjust instruction while it's occurring.

Just as teachers and staff cannot do their jobs without the use of technology, so should we expect this from our students. Our vision is to provide students with multiple opportunities to use a variety of technology tools to enhance their learning, create products that will be shared with a wide audience, and collaborate with peers/experts. Appropriate and proficient use of technology is a necessary skill for our students to become successful adults.

In order to meet the growing needs of education technology, HCPS has identified the following goals for the 2014-2015 school year. Activities designed to achieve these goals are outlined in the sections that follow.

- Teachers will integrate technology into their instructional practice resulting in increased student engagement and enhanced learning.
- Prior to entering high school, students will be technology literate as measured by a district and/or technology assessment.
- Technology training and growth will be embedded into school and district professional development plans.
- Adequate access to technology will be provided to meet the learning needs of all students, instructional planning/delivery needs of teachers, and educational goals of all staff.
- HCPS will sustain and improve, where needed, voice and data communications with the community and parents.

## **Planning Process and Methodology**

District leaders, principals, and School Technology Coordinators and teachers were consulted during the early stages of writing this plan. Goals and activities for this plan were written based upon this discussion and an evaluation of the prior year's plan. A draft of the plan was then provided to each for review and approval. The final draft is then given to the Henry County Board of Education and to the Kentucky Department of Education for approval. The plan will then be evaluated one to two times throughout the 2013-2014 school year by Nikkol Bauer based upon the indicators and feedback from schools.

Appendix A includes a detailed evaluation of the 2013-2014 Technology Plan as of December 2013. Activities that need continuing and new ones are noted.

## Current Technology and Resources

### Student Instructional Devices

As reported in the 2013-2014 Technology Readiness Survey, HCPS has a total of 798 student instructional devices (desktop, laptop, and netbook computers), an increase of 79 devices as compared to last year. This gives us a district student-to-computer ratio of 2.53-to-1. However, the distribution of computers may or may not fit the needs of our students. A discrepancy exists among schools as evidenced by a range of ratios from 1.62-to-1 to 3.67-to-1. HCPS should evaluate the current distribution of computers at all levels (classrooms versus labs) and make changes as needed.

School	Total	5 yrs old or less	Laptop	Windows 7	Office 2007+	n- Computing	ADA	Student-Computer Ratio	Adjusted (n- Computing)
Campbellsburg	87 (+1)	53 (61%)	19 (22%)	34	86	5	338.08	3.89	3.67
Eastern	68 (+4)	52 (76%)	26 (38%)	33	68	60	210.31	3.09	1.64
New Castle	129 (+20)	90 (70%)	36 (28%)	75	128	0	355.07	2.75	2.75
Henry Co. MS	158 (+20)	88 (56%)	61 (39%)	90	154	30	498.58	3.16	2.65
Henry Co. HS	356 (+34)	250 (70%)	122 (34%)	222	304	23	615.78	1.73	1.62
<b>Totals</b>	<b>798 (+79)</b>	<b>533 (67%)</b>	<b>264 (33%)</b>	<b>454 (57%)</b>	<b>740 (93%)</b>	<b>118</b>	<b>2017.82</b>	<b>2.53</b>	<b>2.20</b>

### Next Generation Devices and BYOD

School	iPads	Chromebooks	Android Tablets	Microsoft Surfaces	iPods or Other Handheld Wireless	Smartphones	Totals
Campbellsburg	6	51	0	10	0	0	67
Eastern	5	0	0	0	0	0	5
New Castle	10	0	0	0	5	0	15
Henry Co. MS	28	0	0	35	16	0	79
Henry Co. HS	28	0	0	0	14	0	42
District Offices	7	0	0	5	0	0	12
<b>Total District Owned</b>	<b>84</b>	<b>51</b>	<b>0</b>	<b>50</b>	<b>35</b>	<b>0</b>	<b>220 (+159)</b>
Personally Owned (BYOD)	126	4	111	1	203	500	945 (+187)
<b>Totals</b>	<b>210</b>	<b>111</b>	<b>111</b>	<b>51</b>	<b>238</b>	<b>500</b>	<b>1165</b>

### Projectors and Interactive Technologies

HCPS believes that having convenient access to interactive technologies is one of the most effective ways to insure that technology is integrated into instruction. Providing mounted projectors and other technologies such as slates, clickers and document cameras helps to accomplish this goal. The numbers reported below are from the 2013-2014 Technology Readiness Survey.

School	# of Mounted Projectors	# of Mobile Projectors	# of Mounted Interactive Boards	# of Mobile Boards	# of Wireless Slates	# of Student Response Systems	# of Document Cameras
Campbellsburg	18	5	0	0	17	3	19
Eastern	14	2	13	0	12	5	15
New Castle	24	1	4	0	5	1	14
Henry Co. MS	24	2	0	1	5	3	14
Henry Co. HS	40	2	2	3	11	6	14
<b>Totals</b>	<b>120</b>	<b>12</b>	<b>19</b>	<b>4</b>	<b>50</b>	<b>18</b>	<b>76</b>

### Student Home Access

Based on enrollment information, 75% of our students have access to a computer at home, an decrease of 2% compared to last year. 69% of our students have access to the Internet, a decrease of 2% compared to last year. 68% of our students have access to high-speed Internet, a decrease of 1% compared to last year. Many areas of Henry County still do not have access to high-speed Internet. However, with a majority of our students who have access to a computer and/or Internet from home, more could be done to extend learning outside the classroom. For students without this access, schools should investigate the possibility of allowing after-hours access to school computers. Henry County High School began opening the library media center after school until 5:30 for this reason.

School	% of Students with a computer at home	% of Students with Internet connection	% of Students with Dial-Up	% of Students with High-Speed
Campbellsburg	79%	74%	1%	73%
Eastern	59%	50%	3%	49%
New Castle	69%	64%	2%	63%
Henry Co. MS	76%	69%	1%	68%
Henry Co. HS	81%	75%	1%	74%
<b>Totals</b>	<b>75%</b>	<b>69%</b>	<b>1%</b>	<b>68%</b>

### Network Infrastructure

During the 2011-2012 school year, all network infrastructure was upgraded and increased. Every school now has 100% 10/100/1000 POE switch ports. Every classroom has an a/b/g/n wireless access point.

Common areas, such as cafeterias, gyms, and library media centers, have at least one wireless access point. HCPS has also deployed a solution to allow students, staff and guests to register their personal devices on our network in order to gain filtered Internet access.

### **Software and Applications**

Office 2007/2010/2013, MAP, United Streaming, Cognitive Tutor/Mathia, Fast ForWord, DreamBox, iReady, Lexia, Pixie, Brain Pop, Accelerated Reader, OdysseyWare, Follett, FitnessGram, LunchBox, Infinite Campus, Geometer's Sketchpad, Hawkes Statistics and Algebra software for online college classes, SchoolPointe, media software (Pinnacle Studio, Flash, Photoshop, Final Cut Pro), preschool software (Earobics, Work Sampling Online, AEPSi), SchoolRecruiter, AutoDesk, special education software (Read180, ReadWriteGold, Boardmaker, Writing with Symbols, JAWS, Sonoflex, Achieve 3000), small amount of other instructional software.

### **Training and Professional Development**

HCPS did not fill the Technology Resource Teacher position for the 2013-2014 school year. Currently, any technology specific training (such as how to use a specific web site) is embedded into other professional development. However, there is an ongoing need to provide the time and opportunities for teachers to share technology integration ideas.



## Curriculum and Instructional Integration Goals

### Goal 1

Teachers will integrate technology into their instructional practice resulting in increased student engagement and enhanced learning.

### Action Plan: Projects/Activities

Project/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
1.1 Incorporate technology into instructional strategies and other best practices.	Students will have greater exposure to use of technology for completing various tasks.	Teacher Standard 6 evaluation results (or newest teacher evaluation model)	July 2014 June 2015	Principals District Leadership	N/A
1.2 Continue to allow the use of student personal devices for learning.	Students will have greater exposure to use of technology for completing various tasks.	Count of student devices on the network and feedback from teachers on their use.	July 2014 June 2015	Teachers Principals District Leadership District Tech	N/A
1.3 Develop technology opportunities that provide enhancement of the district's pursuit of personalized learning / competency-based learning. (e.g. video-based lessons)	Students will have opportunities to work independently through technologies that allow the students to demonstrate attainment of standards and allow interventions or enrichments.	Student data from MAP testing or specific software that district schools use (including Fast ForWord or Cognitive Tutor)	July 2014 June 2015	Teachers Principals District Leadership	N/A
1.4 Continue development of		Number of students enrolled in blended	July 2014 June 2015	HS Teachers HS Principals	N/A

blended learning opportunities at the high school.		learning classes.		District Leadership	
--	--	-------------------	--	---------------------	--

## Curriculum and Instructional Integration Goals – Evaluation

As stated in the Executive Summary, our vision is to provide students with multiple opportunities to use a variety of technology tools to enhance their learning, create products that will be shared with a wide audience, and collaborate with peers/experts. As Kentucky has adopted the Common Core Standards for mathematics and English language arts, teachers district-wide have been working to develop units aligned to the new standards. The new standards have technology expectations embedded within them.

Data from principal evaluation of teacher proficiency on Standard 6 provides a measure on teachers' ability to integrate technology into best practices. The plan will be evaluated one to two times a year and results sent to the district technology committee.

HCPS began a new Bring Your Own Device initiative at the beginning of the 2012-2013 school year. In order to leverage student personal devices as a tool for learning, feedback from teachers will be solicited.

## Student Technology Literacy Goals

### Goal 2

Prior to entering high school, students will be technology literate as measured by a district and/or technology assessment.

### Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
2.1 Continue 8 <sup>th</sup> and 12 <sup>th</sup> grade technology proficiency evaluation	Accurate reporting of technology proficiency	Results from evaluation	July 2014 June 2015	District Tech 8 <sup>th</sup> and 12 <sup>th</sup> Grade Teachers	N/A
2.2 Provide instruction on elements of Digital Citizenship at each grade level.	Students will be able to use technology safely and appropriately.	Logs kept by teachers responsible for DC curriculum	July 2014 June 2015	Counselors Librarians Language Arts Teachers	N/A
2.3 Continue formal keyboarding program in the elementary schools.	Student writing composition and creation of digital products will be more efficient.	Keyboarding performance test results	July 2014 June 2015	Principals	N/A
2.4 Continue STLP participation at each school in regional and/or state events.	Students will have the opportunity to apply skills in a competitive and real-world setting.	Number of students participating	July 2014 June 2015	Principals STLP Coordinators District Tech	Local

## **Student Technology Literacy Goals - Evaluation**

Students need access to a wide variety of resources including computers, software, and other technology tools in order to become proficient. The hardware necessary is addressed in Goal 4 and its activities.

Results from the technology literacy evaluation for 8<sup>th</sup> and 12<sup>th</sup> grade students are obtained toward the end of the school year and shared with principals and district leadership. Logs from Digital Citizenship activities are submitted throughout the school year. A periodic check of progress on the keyboarding program (Type to Learn 4) is shared with principals, school personnel, and district leadership.

This data is shared with the district technology committee one to two times per year after evaluating the current year's plan.

## Staff Training/Professional Development Goals

### Goal 3

Technology training, growth, and information sharing will be offered through school/district PDs, video conferencing and other digital formats.

#### Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
3.1 Incorporate technology integration strategies at each school within professional development days and/or early release days.	Teachers will be better prepared to use available technology for teaching and learning.	School PD plans	July 2014 June 2015	Principals District Leadership	N/A
3.2 Provide ongoing training and/or support for various instructional technologies, including BYOD. Methods of delivery may vary between face-to-face, video conferencing, email, etc.	Teachers will be better prepared to use available technology for teaching and learning.	Training sign-in sheets, TRT calendar	July 2014 June 2015	District Tech	N/A
3.3 Support teacher participation from each school at state KySTE conferences.	Teachers will be kept abreast of new and emerging technology.	Registration confirmation	July 2014 June 2015	District Tech District Leadership	SBDM Local
3.4 Provide training	Teachers will be	Statistics on use of	July 2014	District Tech	N/A

and/or support on student management and support software, such as Infinite Campus and CIITS, as needed.	able to use CIITS effectively for lesson planning, assessment and professional development needs.	CIITS and training sign-in sheets.	June 2015	District Leadership	
--	---	------------------------------------	-----------	---------------------	--

## Staff Training/Professional Development Goals – Evaluation

Principals report that 89% of teachers are proficient with technology as defined by Teacher Standard 6 (an increase of 12% from last year). However, this percentage varies widely across schools: from 75% to 100%.

With the rapid growth of new technology resources and the changing needs of our students and the dissolution of the Technology Resource Teacher position, a more comprehensive professional development program is needed. It is the hope of HCPS that embedding intentional use of technology into other professional development initiatives will help fulfill this need (Activity 3.1). In addition, new state initiatives, such as CIITS (Activity 3.4) need ongoing support from district leadership and technology. With the district's new BYOD initiative (Activity 3.2), teachers will need support and ideas for leveraging student personal devices as a tool for learning.

The district also sends a limited number of teachers to the state KySTE conference every year (Activity 3.3).

## Technology Goals

### Goal 4

Adequate access to technology will be provided to meet the learning needs of all students, instructional planning/delivery needs of teachers, and educational goals of all staff.

### Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
4.1 Evaluate current distribution of computers for effective use and redistribute if necessary.	All students will have equitable and convenient access to computers to complete instructional assignments.	Inventory collection tool for Technology Readiness Survey	July 2014 June 2015	Principals District Tech	N/A
4.2 Maintain at least a 3:1 student to computer ratio at all schools.	All students will have equitable and convenient access to computers to complete instructional assignments.	Technology Readiness Survey	July 2014 June 2015	Principals District Leadership	SBDM School Activity Funds EdTech District Local
4.3 Replace or increase interactive technologies available to teachers as needed.	Teachers will be better equipped to integrate technology into instruction.	Number of slates and document cameras purchased	July 2014 June 2015	Principals	SBDM School Activity Funds EdTech
4.4 Server			July 2014 June 2015		
4.5 Wiring Closet Cleanup			July 2014 June 2015		

4.6 Switches			July 2014 June 2015		
4.7 Complete wiring to the lab in Campbellsburg Elementary, lab in Eastern, and the ICE lab in the high school.			July 2014 June 2015		

### Goal 5

HCPS will sustain and improve, where needed, voice and data communications with the community and parents.

### Action Plan: Strategies/Activities

Strategy/Activity	Instructional Outcome	Indicator	Timeline	Person(s) Responsible	Funding Source
5.1 Provide local telephone, long distance, and data services to each school and support building.	Facilitate communication between teachers and parents. Provide access to the Internet to students and teachers.	Monitor regularly to ensure services are functioning properly.	July 2014 June 2015	District Tech	Local USF discounts
5.2 Secure web hosting services for district, school, and teacher web pages.	Facilitate communication between teachers and parents.	Monitor web site hits.	July 2014 June 2015	District Tech	Local USF discounts
5.3 Encourage updates to teacher and school web pages.	Community members will be better informed on school/district activities.	Monitor updates to teacher and school pages.	July 2014 June 2015	Principals District Leadership	N/A



5.4 Begin replacement of existing phone system with VoIP services.	Facilitate communication between staff and parents.	Monitor regularly to ensure services are functioning properly.	July 2014 June 2015	District Tech District Leadership	Local USF discounts
--	---	--	------------------------	--------------------------------------	------------------------

## Technology Goals – Evaluation

As stated in the Executive Summary, Henry County Public Schools believes that technology is an inextricable component of education. Maintaining a modern network infrastructure, computers and other technologies are crucial to meeting the instructional and administrative needs within the district. Since the network infrastructure was completely replaced during the 2011-2012 school year, this plan focuses only on maintaining computers numbers, increasing interactive technologies, securing telephone and data services, updating file servers, and increasing network capacity.

By the end of the 2014-2015 school year, schools will need to replace upwards of 450 aging computers (estimate at the time of this writing December 2013 based on computers that will be older than 6 years old and not including computers that are scheduled to be junked this year). Schools will also need to budget for replacement of projector bulbs and purchase of interactive technologies as needed (slates, document cameras).

A growing need for the district is the replacement of our aging phone system. By the end of the 2014-2015 school year, HCPS will need to have a solid plan in place for replacement.

The Technology Readiness Survey, due around December 1 each year, provides the method for evaluating HCPS's ability to provide adequate access to technology. The results and analysis of this report are sent to district leadership, including principals. The district, school, and teacher web pages are monitored periodically and statistics are sent to principals and district leadership.

## Budget Summary

Acquired Technologies and Professional Development	E-Rate	KETS \$58448	Other (Specify)
STLP			\$1400 (Local)
KySTE		\$1290	\$1750 (Local)
Computers		\$40,000	\$140,000 (SBDM/Local/Other)
Phone and data services	\$68,359.44*		\$20,419.08* (Local)
Web hosting service	\$3,911.60*		\$1,668.40* (Local)
VoIP phone system			\$70,000 (Local)
District tech salaries			\$150,000 (Local)
Other expenses not outlined in this plan		\$17,158	\$133,000.00** (SBDM/Local/Other)
<b>TOTAL</b>	<b>\$72,271.04*</b>	<b>\$58,448</b>	<b>\$518,237.48*</b>

## Budget Summary – Narrative

Items noted with an \* will be updated after 471 Applications have been submitted.

\*\* Based on estimate of spending from FY11, FY12 and FY13, not including eRate Priority 1 expenditures.

## Appendix A – Evaluation of the 2013-2014 Plan

The following evaluation is current as of 12/3/2013.

### Curriculum and Instructional Integration Goals

Activity 1.1 – Incorporate technology into instructional strategies and other best practices. **(PARTIALLY MET)**

- Principals report that 89% of our teachers are proficient on Teacher Standard 6, which would indicate that teachers are incorporating technology into instruction.
- However, a discrepancy exists across schools as to the percentage of proficient teachers, ranging from 75% to 100%, which indicates a need for common understanding of technology proficiency among teachers.
- This is an ongoing activity, keep for next year.

Activity 1.2 – Increase number of student products created with the use of technology. **(MET)**

- See Appendix B
- Teachers and administrators provided anecdotal evidence, as well as actual student products.

Activity 1.3 – Technology will be intentionally integrated into unit plans. **(MET)**

- See Appendix B
- Teachers and administrators provided anecdotal evidence, as well as lesson plans.

Activity 1.4 – Communicate with staff regularly, providing reminders of current resources and information on new resources. **(PARTIALLY MET)**

- Information disseminated about Office 365 Wave 15 to all staff members.
- Various information shared with principals, so they can disseminate as they feel pertinent.
- Planning short Windows 8.1 training with STCs in January.

Activity 1.5 – Increase the use of student personal devices for learning. **(PARTIALLY MET)**

- See Appendix B
- Teachers and administrators provided anecdotal evidence.
- The number of personal devices on the network increased by 187 devices compared to last year.

### Student Technology Literacy Skills

Activity 2.1 – Continue 8<sup>th</sup> and 12<sup>th</sup> grade technology proficiency evaluation. **(will be met by June 2013)**

- 2012-2013 proficiency results: 8<sup>th</sup> grade 84% proficient, 12<sup>th</sup> grade 100% proficient based on teacher observations.
- Teachers report at the end of the year on student proficiency not based upon a checklist of technology skills.
- Ongoing, include in next year's plan.

Activity 2.2 – Provide instruction on elements of Digital Citizenship at each grade level. **(will be met by June 2013)**

- Teacher logs documenting instruction are turned in at the end of the year.
- Ongoing, include in next year's plan.

Activity 2.3 – Continue formal keyboarding program in the elementary schools. **(PARTIALLY MET)**

- Type to Learn is used sporadically in the district.
- Due to a failure with the program this year, student progress had to be reset, therefore any data on usage would be inaccurate.

- Ongoing, include in next year's plan.

Activity 2.4 – Increase STLP participation at each school in regional and/or state events. **(NOT MET)**

- 2 schools participated in the regional showcase on 11/19/13. The middle school had 3 showcases and the high school had 1. Unfortunately, none of the showcases were invited to state.
- Overall, STLP participation has decreased a little. Interest areas at each school vary from year to year. This year, there was a change in sponsors at 2 schools.
- Ongoing, include in next year's plan with emphasis on continuing the STLP program at each school.

#### Staff Training/Professional Development Goals

Activity 3.1 – Incorporate technology integration strategies within professional development days and/or early release days. **(MET)**

- Training on Career planning software provided to select teachers at the middle and high school
- MS ELA teachers had training on Microsoft Surface RT use
- Planned training for STCs on Windows 8.1
- Personalized learning PD through the RTT grant
- Middle school math teachers received training on new calculators with online capabilities
- Middle school teachers were provided training on how to use a spreadsheet tool for special education progress monitoring.
- Middle school teachers were provided training on how to post information to the Program Review folders.

Activity 3.2 – Provide ongoing training and support for interactive tools such as slates and clickers. **(NOT MET)**

- Unable to provide the same level of support this year due to elimination of the TRT position.

Activity 3.3 – Provide integration ideas for using collaborative tools in the classroom, including Lync. **(PARTIALLY MET)**

- Provided training for all high school Seniors on the use of Lync

Activity 3.4 – Support teacher participation from each school at state KySTE conference. **(will be met by mid-March 2013)**

- Participation will depend upon funding.

Activity 3.5 – Survey teachers on training needs for integrating technology in the classroom. **(NOT MET)**

- Informal feedback and conversations often precede technology training throughout the year; however, no formal survey at the district level has been conducted this year.

Activity 3.6 – Provide training on using CIITS. **(NOT MET)**

- No formal CIITS training has been conducted this year.

Activity 3.7 – Provide integration ideas for using student personal devices in the classroom. **(NOT MET)**

- Unable to provide the same level of support this year due to elimination of the TRT position.

#### Technology Goals

Activity 4.1 – Evaluate current distribution of computers for effective use and redistribute if necessary. **(MET)**

- Technology Readiness Survey completed on 11/25/2013
- Summary data from the TRS report given to principals on 12/5/2013
- List of computers needing upgrade to Windows 7 given to principals on 12/5/2013
- Ongoing, should include in next year's plan

Activity 4.2 – Maintain at least a 3:1 student to computer ratio at all schools. **(NOT MET)**

- Current district ratio is 2.83:1
- CES 3.89, EES 3.09, NCES 2.75, HCMS 3.16, HS 1.73

Activity 4.3 – Increase the number of interactive technologies available to teachers. **(MET)**

- The number of document cameras in the district increased from 68 to 76. The number of mounted projectors increased from 119 to 120. The number of mounted interactive boards increased from 15 to 19. The number of clickers increased from 20 to 21. The number of slates remained at 50.
- There are still some classrooms in need of various interactive technologies. Include in next year's plan.

Activity 5.1 – Provide local telephone, long distance, and data services to each school and support building. **(MET)**

- Ongoing, supplemented with eRate funds

Activity 5.2 – Secure web hosting services for district, school, and teacher web pages. **(MET)**

- Ongoing, supplemented with eRate funds

Activity 5.3 – Encourage more frequent updates to teacher and school web pages. **(PARTIALLY MET)**

- School sites have been updated their school page with news articles on a semi-regular basis.
- 62% of teachers/counselors/librarians have a teacher web page.
- 28% of teacher pages have been updated within the last month.
- A discrepancy exists across schools on frequency of teacher page updates. Pages updated within the last month range from 5% to 50%.

Activity 5.4 – Begin replacement of existing phone system with VoIP services **(NOT MET)**

- No vendors answered our 470 application for VoIP services. Need to investigate purchasing our own system

## Appendix B – Evidence for Selected 2013-2014 Plan Activities

Statements of activities as provided by teachers and principals.

Activity 1.2 – Increase number of student products created with the use of technology.

- [HS] Students create powerpoints, brochures, type writing pieces, etc. in resource reading lab.
- [HS] Utilizing auto rap on the ipads for students to create raps about the steps of solving equations.
- [HS] students have completed and presented several electronic presentations (Mostly PowerPoint and Prezi) for both humanities and sociology. Humanities has also completed video presentations for drama.
- [HS] Absolute Value- Station Activity.
- [HS] Since my numbers are up from last year, I have an increase of students creating projects. These can be seen on the weekly show.
- [HS] Three honors students wanted to use a computer program to create a 3 D model of the Great Wall of China. This computer program then translates the measurements so that the students can create the wall out of a piece of wood. They went up and used the technology in Shearer's room. I am not quite sure what program/machine they used.
- [HS] Students have prepared and presented power point, prezi, slide rocket, and other types of electronic lessons. These lessons were about nations of Asia, explorers from the Age of Exploration, and individuals from the Renaissance and Reformation era.
- [HS] Students have created Prezis, Powerpoints, and online timelines to present information they have learned in History and Humanities classes.
- [HS] Students use word processing, KYVL databases and Destiny databases to complete research assignments on given topics in Science, Drama, History, and English classes.
- [HS] Students have created LiveBinders (online portfolios) in Blended classes to organize and publish assignments for Life 101 and English IV.
- [HS] Attached is a library exercise where students are to create a poster of an element using technology.
- [HS] Students produce extended writing using the computer
- [HS] Students created PowerPoint presentations for music as literature unit
- [HS] I have videos that the kids have made and edited with their cellphones.
- [HS] As faculty, we have been sharing resources via email on programs/websites/apps to use in order to assess students digitally or have them create digital assignments.
- Elementary students research on the Internet, word process, create digital presentations (Powerpoint, Prezi, Movie Maker, Museum Box, Story Jumper), digital art (Pixie) and digital posters. Various online tools used to demonstrate learning (Taxedo/Wordle)
- Middle School students create Prezis for the Culture Fair, Anti-bully PSA videos and digital animations.

Activity 1.3 – Technology will be intentionally integrated into unit plans.

- [HS] Students use empower 3000/achieve3000 daily in resource reading lab
- [HS] Incorporate class specific cognitive tutor lessons in each unit.
- [HS] Design modules in Cognitive Tutor that coincide with current units
- [HS] Unit plan including a graphing calculator lab
- [HS] Technology is a part of every unit. My units are posted on my teacher page.
- [HS] socrative.com
- [HS] We use the StudyBlue App for vocabulary practice. I put the terms up and make it publically available for them to access so they can quiz themselves on their devices (mostly for honors). For my regular kids who do not own a smart phone I work this into class as part of a daily lesson and just put it on the projector and then they have to provide either the definition or term.

- [HS] For our most recent project I had students conduct independent research on the internet on the Asian Empires to help create a variety of projects. Many used the library computers or their personal devices during class.
- [HS] When covering geography concepts or the location of countries I have my students download an app (if possible) to help them memorize the location of countries around the world. It is called TapQuiz Map. Basically it makes a game out of geography. We also use [www.sporcle.com](http://www.sporcle.com) for geography practice
- [HS] Units are planned incorporating power point discussion/lecture notes, videos relating to the material (You Tube, History Channel, Discovery Channel), and student related research.
- [HS] English teachers collaborated with the Library Media Specialist to plan units that teach students digital citizenship and how to use technology appropriately and responsibly. English teachers incorporate online software such as WIN Learning and Achieve 3000 in their unit plans to help students work on targeted standards so they can individually improve in weak or struggling areas.
- [HS] Teachers collaborate with the Library Media Specialist to plan units that incorporate technology so students can learn more about a topic of study. For example, the Library Media Specialist taught Drama students how to appropriately conduct research, use online databases, and cite sources for a stage production research project. Students researched what theater and stage production was like during a specific era so that they could mimic that style for producing and performing a play in their drama class.
- [HS] Students use LiveBinders, Edmodo, Prezi, Symbaloo, Celly, Lync, CollaborizeClassroom, Poll Everywhere in Blended classes to complete daily classroom assignments and activities for Life 101 and English IV.
- [HS] LDC module that includes a section where students use the computers to research bridge designs.
- [HS] Students work on Empower3000 daily in 3 classes, including presentation of background information, maps, and polls on the projector
- [HS] Utilize audio books to provide support while reading novels
- [HS] Utilize videos/segments to reinforce literary topics and provide background knowledge - theme, characterization, mood
- [HS] Utilize ReadingPen to provide support during individual reading activities
- [HS] Integrated MyLearningPro.com to provide differentiation, enrichment, and reinforcement of skills
- [HS] Provided 5 music samples for music as literature unit
- [HS] Students in English II are utilizing the computer lab twice a week to complete Reading for Information lessons in WIN Learning.
- [HS] Students in English II completed a Web Quest on The Odyssey, including research of Greek gods and background on Homer.
- [HS] Students in Transitions are utilizing the computer lab four times a week to complete reading exercises in Achieve 3000 to increase their lexile levels.
- [HS] We use the web application, MusicTheory.net for learning activities, drills and practice. I have student activity logs for some completed exercises.
- [HS] With the focus on BYOD, many of us are embracing technology and finding ways to use it each day. Some teachers include technology integration in their PGPs as well.
- Elementary teachers use various software and web sites with students, such as iReady, Dreambox, Starfall, Storylineonline, PBS Kids, Brain Pop Jr.
- Middle School special education students learning at their own pace in reading and math using videos.
- Learning centers incorporate technology in 6<sup>th</sup> and 7<sup>th</sup> grade language arts.
- Middle school students use FastForward and IXL math for Rtl.
- 6<sup>th</sup> grade lesson on library research and ethical use of technology.
- 8<sup>th</sup> grade Watershed Investigations using various probes.

Activity 1.5 – Increase the use of student personal devices for learning

- [HS] Students are utilizing Ipads, Ipods, Iphones for class assignments.
- [HS] In co-taught classes, students utilize personal devices for exit slips in online classroom.
- [HS] Students photograph problems for solutions in co-taught settings.
- [HS] Students download apps for the graphing calculator (not available on apple products currently) on phone such as Droid, Samsung, etc. to have the app for graphing calculator on personal device.
- [HS] students have utilized devices for research for papers and criticisms and use them for quizlet practices for tests. Cellie has been used by students to stay updated on class topics and to ask questions. The school website is used as a resource for students to go to to access class lessons and associated materials.
- [HS] Absolute Value- Station Activity
- [HS] Students use personal devices to research story ideas, search for music, etc.
- [HS] socrative.com
- [HS] I use twitter many times throughout the week to help remind students of assignments. The students also use it to "tweet" me if they have questions about and assignment/reading. Some of them have even taken pictures of their answers and projects and sent the picture to me via twitter to make sure that they were completing the project correctly. I can pull up my account and send you the info if needed.
- [HS] We use the StudyBlue App for vocabulary practice. I put the terms up and make it publically available for them to access so they can quiz themselves on their devices (mostly for honors). For my regular kids who do not own a smart phone I work this into class as part of a daily lesson and just put it on the projector and then they have to provide either the definition or term.
- [HS] When covering geography concepts or the location of countries I have my students download an app (if possible) to help them memorize the location of countries around the world. It is called TapQuiz Map. Basically it makes a game out of geography. We also use [www.sporcle.com](http://www.sporcle.com) for geography practice
- [HS] Students used their own electronic device at once a week, usually more often researching historical terms or events, note taking, calendar to keep up with due dates, preparing papers or presentations, and research for a paper or presentation.
- [HS] My most recent project that used technology directly was with my level one students. They were to use their cellphones and apps such as Magisto or VidTrim to creat fashion show videos that they shared with the class. The videos had to be in Spanish, obviously, and describe at least 2 outfits. The students received points for their proper use of technology, proper use of Spanish, and their creativity. I also try to have students use their technology during normal lessons to help me reduce our paper usage by completing/turning in assignments digitally and by taking notes on their devices.
- [HS] In the library I daily see students use ipads, ipods, and smart phones to download and read books, to access information for research, and to organize and plan their school work.
- [HS] Students use personal devices to check assignments and grades, take tests, participate in polls, conduct research, use tools such as dictionaries, and read books.
- [HS] Socrative.com where students used their smart phones to take a formative assessment.
- [HS] Students use devices in co-taught class to view painting that they are to write a theme analysis about
- [HS] Students have downloaded Destiny Quest to access library
- [HS] Students use Quizlet to study for vocabulary tests
- [HS] Weekly, students in English I Honors and English II Honors use personal devices in addition to classroom computers for completing vocabulary exercises that support ELA Common Core Standards (etymology, prefixes, suffixes, synonyms, antonyms)
- [HS] Students in English I Honors, English II Honors, and English II received instruction in downloading and using Media Center applications onto their personal devices for use in searching for library holdings, as well as research.
- [HS] I have videos that the kids have made and edited with their cellphones.
- [HS] Our entire "Senior Process" is student driven and they are relying on technology to research, document, and share their service projects with the community.



- Middle school students use their own devices to conduct Internet research, create videos, and use tools such as the calculator.