

**SPENCER COUNTY PUBLIC SCHOOLS**  
**Board of Education Agenda Item**

Item # \_\_\_\_\_ Meeting Date 4/23/2012

Topic/Title TECHNOLOGY PLAN

Presenter Eric Cecil

**Origin**

/ Topic presented for information only (*no board action required*).

\_\_\_\_\_ Action requested at this meeting.

\_\_\_\_\_ Item is on the consent agenda for approval.

\_\_\_\_\_ Action requested at future meeting, \_\_\_\_\_ (date).

\_\_\_\_\_ Board review required by –

\_\_\_\_\_ State or federal law or regulation

\_\_\_\_\_ Board of Education policy

\_\_\_\_\_ Other \_\_\_\_\_

**Previous Review, Discussion or Action**

\_\_\_\_\_ No previous Board review, discussion or action

\_\_\_\_\_ Previous review or action

Date \_\_\_\_\_

Action \_\_\_\_\_

**Background/Summary of Information**

**Impact on Resources (REQUIRES FINANCE OFFICER'S INITIALS OF REVIEW)**

\_\_\_\_\_ Finance Officer

**Timetable for Further Review or Action**

**SUPERINTENDENT'S RECOMMENDATION**

**Technology Plan:  
Spencer District  
Taylorsville, Kentucky**

<http://publicschools.spencercounty.ky.gov/>

**Prepared Date: November 1, 2011**

**Plan Start Date: July 1, 2012**

**Plan Expiration Date: September 30, 2013**

**Plan Updated November 1, 2013**

**Approved Date: Pending Commonwealth Approval**

# Acknowledgments

## **District Technology Staff**

Eric Cecil CIO  
Sam Skinner Network Admin  
Elias Cecil Technician  
Scott Schweitzer TRT

## **School Library Media Specialists**

Marlene Kleinjan Spencer County High  
Rhonda Cox Spencer County Middle  
Crystal Little Taylorsville Elementary  
Bridget Murphy Spencer County Elementary

## **Parents/Community Members**

Patti Cotton

## **School Technology Coordinators**

Andy Henderson Spencer County High  
Rhonda Cox Spencer County Middle  
Kari Santos Taylorsville Elementary

Lisa Rowe Spencer County Elementary

## **Curriculum Specialists**

Norma Thurman District Level

## **Students**

Josh Cecil  
Jack Blacklock

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## **Executive Summary**

Information Technology believes in the utilization of technology as a tool in the 21th century classroom. This tool must be used to differentiate and enhance learning in all subjects for every student and safe schools. Differentiation aids the twelve components of NCLB Title II D. Students use United Streaming media programs and the internet to reinforce subject matter. Our goals are to build and maintain an infrastructure throughout the district to supply access to these technologies for all students. This includes wired and wireless connectivity to the intranet and internet.

## **Planning Process / Methodology**

The technology committee's role is to give guidance to District level infrastructure needs and future needs. The committee will be tasked with evaluating the goals met and unmet by completion of this technology plan. Technology committee shall meet at least three times per school year. The first meeting shall take place during the first grading period of the school year. The second shall take place during the month of January. The third shall take place during the final grading period of the school year. Additional meetings may take place if committee so chooses

## **Technology Vision and Goals**

Provide equal and increased access to technology tools in accordance with the master plan ratio for each school level. Continually improve upon the speed of network and internet connections. Utilizing a TRT (Technical Resource Teacher) to provide meaningful training in the integration and usage of District invested technologies for all staff.

Technology is the pencil and paper of our times. It cannot replace a teacher. Our teachers must be proficient in the integration and usage of all the tools in their classroom including technology. Technology must be used to engage and enhance the learning experience in all subjects. Teaching students how to use technology is not a substitute for using the technology to create a better learning conduit for the student.

We must have 100 percent participation from every teacher. If the classroom has technology, then that technology must be used to integrate and enhance learning for each student in that classroom. Each teacher will be tested for proficiency via a digital driver's license. They will use, but not limited to <http://otis.coe.uky.edu/DDL/launch.php> and <http://ignition.everfi.net/> to complete this testing. This can be revisited each year for additional knowledge.

## Goal 1

Partner with each school to create and implement a building technology plan for the purposes of district infrastructure planning. Matching funds will be distributed to the schools based on competitive and non-competitive rating of building technology plan and student population.

### Action Plan: Strategies/Activities

Strategy/Activity	Begin Date	End Date	Cost	Funding Source	Instructional Outcome
Meet with school technology committee to gain an understanding of infrastructure needs based upon schools tech plan	07/01/12	06/31/13	Time	General Fund	Better implementation of technology in the classroom
Matching funds will be reviewed and accessed for distribution via rubric & student population	05/01/12	07/31/12	\$50,000	Kets Matching General Fund	Increased student engagement of core curriculum
Investigate student value of return on investment for technology & one to one initiative	05/01/12	07/31/12	Time	General Fund	Increased access to technology tools and resources.

## Goal 2

Maintain and Improve Speed of network infrastructure, internet, and phone connections.

### Action Plan: Strategies/Activities

Strategy/Activity	Begin Date	End Date	Cost	Funding Source	Instructional Outcome
Bandwidth packet shaping tool for district network	07/01/12	06/31/13	\$20,000	Kets Matching General Fund	Better access to educational programs, web sites & online testing

### Goal 3

Introduce a Technology Integration Specialist (TIS) District program to be utilized in each school.

#### Action Plan: Strategies/Activities

Strategy/Activity	Begin Date	End Date	Cost	Funding Source	Instructional Outcome
Employ one TIS to implement TIS district program	07/01/12	06/31/13	\$49,000	General Fund	Assist in the integration of technology tools to enhance core curriculum
Request to bring staff pay in line with like size school districts (We teach our students that technology careers are well paid but the very staff that works in this district are not)	07/01/12	06/31/13	\$25,000	General Fund	Retain a well-trained & seasoned staff in order to provide the best service to the classroom & business staff
Orientation of schools network & technology in the classroom	07/01/12	06/31/13	Time	General Fund	To gain a better understanding of teachers technology needs in the classroom
TIS will spend full days at each school throughout the week	07/01/12	06/31/13	Time	General Fund	Individualized observation, feedback, & assistance to teachers for integration of technology with core curriculum in the classroom
Technical integration assistance (TIA) The TIS will present no less than 10 district TIA sessions throughout the school year	07/01/12	06/31/13	Time	General Fund	Assist in the integration of technology tools to enhance core curriculum

### Goal 4

Complete evaluation of the district TIA program



**Action Plan: Strategies/Activities**

Strategy/Activity	Begin Date	End Date	Cost	Funding Source	Instructional Outcome
Evidence shall be collected & reviewed in the form of classroom technology integration observation survey (TIS), walk through technology use survey (principal), sampling of teacher lesson plans (TIS), & proof of increase student performance (DAC)	07/01/12	06/31/13	Time	General Fund	Insure effectiveness of district & schools technology plans

## **Staff Training/ Professional Development Goals**

Provide a basic proficiency test for the necessary technologies used in the classroom located at.

<http://www.microsoft.com/about/corporatecitizenship/citizenship/giving/programs/up/digitalliteracy/asmt/instructions.aspx?lang=eng&aid=as26b>. Every teacher shall take and pass a digital license online

test. They will use, but not limited to <http://otis.coe.uky.edu/DDL/launch.php> and

<http://ignition.everfi.net/> to complete this testing. This can be revisited each year for additional

knowledge. Every teacher shall take and pass these assessments with no less than 80% success. Results must be emailed to the TIS for recorded completion of exam no later than August 30<sup>th</sup>. The approved list of software technology is as follows: District Library software Destiny, Email Outlook, Word, Excel, PowerPoint, MS Access, Internet Safe Search, Renaissance Place reading, Movie maker, SIS, Best practice backups.

## **Current Technology and Resources**

We have 98% of our classrooms outfitted with one teacher computer and one projector. We currently have: 1000 plus computers, 14 copiers, 50 plus printer, 50 plus projectors, 50 plus switches, 4 main line dark fiber connections, 12 servers, 300 plus phones, 5 phone systems, 5 Cable TV connections.

Enrollment is 2800 plus students, 400 plus staff. I.T. Services employs 4 full time District level personnel (Director, Network Admin, Technical Resource Teacher, and Network Tech). The network stays up 95% of the time. Client work orders receive a 5 day repair average or less. There is a need for more staff to cut repair time to the client and maintain a healthy network that will stay up 99% of the time. Battery backups at key network junctions will aid in keeping the network up and operational for 99% or better.

## **Timeline**

All staff training will start in the month of September. This will give teachers and staff time to settle in and sign up for what they need. All online assessments shall be completed by August 30<sup>th</sup>. Evidence of technology integration shall be available prior to second and third technology committee meetings.

Research for bandwidth tool must be completed and reading to implement before start of school year.

## **Evaluation**

There will be a meeting held the first Friday of every month at 4:30 am to review and evaluate the timeline and completion of the technology plan as listed in this document. Consideration will be given to all data as it pertains to measured progress.

## **Budget**

Information Technology receives its funding from three sources. The first is the general fund of Spencer Board of Education. The second is KETS matching from the state. The third is federal erate for phones and internet connections. These funds fluctuate from year to year. In most cases we must commit the local general fund dollars before receiving any external funding.

## Annual Budget Summary

School Year 2012-2013

### Note: duplicate this page for each year as needed

- o List the professional development and technologies to be acquired during each year of the agency's plan.
- o Note: At least 25% of the funds allocated to an LEA through the *Title II-D ED Tech Program*, must be allocated for professional development activities.

Acquired Technologies and Professional Development	Ed Tech Competitive Title II-D	Ed Tech Non Competitive Formula Title II-D	E-Rate	NCLB/other than Title II-D	KETS	Other (GF)
Classified Regular Salary						\$130,635
Other employment contributions						\$25,947
Registration Fees & other Dues						\$1,500
Travel Expenses						\$3,000
General Supplies						\$2,500
Outside to Internal Phone lines			\$18,000			\$11,000
Server Maint. & replacement					\$3,000	\$3,000
Disaster backup & recovery Maint.					\$200	\$200
UPS Maint.					\$500	\$500
Switches \$ wireless Maint. & replacement					\$8,000	\$4,000
Software & hardware Maint. yearly License agreements for					\$6,797	\$6,797

infrastructure									
SIS Infinite Campus yearly License agreement								\$9,250	\$9,250
Band width software								\$10,000	\$10,000
Schools tech plan matching								\$30,000	\$30,000
Staff Training PD						\$3,500			\$48,000
<b>TOTAL</b>						\$3,500	\$18,000	\$67,747	\$286,329

## **Attachments/Appendices**