La Grange School District 105

Technology Plan
2011 – 2016

Trish Murphy, Technology Manager
La Grange School District 105
1001 S. Spring Ave.
La Grange Illinois 60525
tmurphy@d105.net
708-784-3737

Section 1: Table of Contents

Section 2: Acknowledgements and Stakeholder Involvement

District 105 would like to thank the following individuals for their contributions, expertise, and support:

Members of the Board of Education of District #105

Since 1987, the School Board has supported the fusion of technology into daily educational experiences of the District's learning community. Through allocation of funds and approval of technology innovations, the District 105 School Board has provided the students and staff with the means to achieve technological growth.

BOARD OF EDUCATION 2009-2010
Mr. Mark Smith, President
Mrs. Barb Baldassarre, Vice President
Dr. Kris Lonsway, Secretary
Mr. David Herndon
Mrs. Jan Kinsley
Mrs. Peg Peterson
Mrs. Eileen Tucker

BOARD OF EDUCATION 2010-2011
Mr. Mark Smith, President
Mr. David Herndon, Vice President
Mrs. Eileen Tucker, Secretary
Mrs. Virginia Kogen
Dr. Kris Lonsway
Mr. Larry Prystalski
Mrs. Jan Reagan

Technology Planning Committee

Formed in the Fall of 2005, the purpose of the Technology Planning Committee is to assist District 105 in accomplishing its technological mission. The committee gathers information from both the school and general communities in an effort to create and implement the District's technology plan based on community resources and known "best" practices. The committee will continue to evaluate and execute the technology plan for District 105.

Core Committee Members	Committee Members
Kathryn Heeke – Curriculum Director	Mark Bliss - Teacher
John Huck – Technology Specialist	Prisilla Brucato – Teacher
Tracy Cleveland – Library Media Specialist	Julie McGovern - Teacher
Joanna Marek - Library Media Specialist	Leesa McHugh - Teacher
Monica McGee – Desktop Technician	Jim McMahon – Staff Member
Trish Murphy – Technology Manager	Jim O'Malley – Community Member
Cathy Nestlinger - Library Media Specialist	Celeste Pearson – Community Member
Lisa Rodkey - Library Media Specialist	Glenn Schlichting – Superintendent
John Signatur - Principal	Bill Westrick – Community Member
Addie Sullivan - Library Media Specialist	

District Parent Teacher Organizations

The District's PTOs maintain a high level of participation in technological assistance, donation, support, and planning.

PTO Presidents:

Amy Carroll, Gurrie Co-President
Kathy Gibbons, Gurrie Co-President
Kelly Lynn, Hodgkins Co-President
Christine Fusco, Hodgkins Co-President
John Wallace, Ideal President
Karrie Lange, Seventh President
Evelina Springer, Spring President

Special Acknowledgements

Thanks to the Intermediate Service Center - West 40 and the ISBE Area One Technology Center for their continuing support and assistance.

Stakeholder Involvement

LaGrange District 105 is a learning community which actively encourages involvement by parents, community, business, private schools, libraries, as well as, students, teachers, and administrators.

LaGrange District 105 has forged a strong partnership with several companies as well as many community organizations. Some companies have donated supplies and products, including computer hardware and software. Other companies and community organizations have participated in and support District programs as well as participated in related classroom activities. Information exchange and public recognition of these partnerships will continue.

In November of 2005 the Technology Planning Committee was formed to obtain assistance from all district stakeholder groups to develop and evaluate the Technology Plan. An outside consultant was employed in 2005 to assist in organizing and structuring the committee. The Technology Planning Committee was comprised of parents, community members, school board members, district administrators, teachers, and technology staff totaling around thirty altogether. More than 5 years after the initial formation of the Technology Planning Committee this group continues working to develop, implement and refine the district Technology Plan.

The core group was established to serve as the driving force behind the committee. This group was responsible for organizing and providing focus to the larger committee, ensuring progress was made toward established timelines and goals, organizing sub-committees, and constructing the plan itself. The core group met more frequently than the full committee and required the largest time commitment to the committee and

planning process of any members. This group along with some members of the larger committee concentrated efforts in specific plan criteria areas. Each meeting a different component within Section 6 (Action Plan) of the ISBE School District Technology Plan Blueprint and Criteria was focused on in great detail: Community Involvement, Curriculum and Instruction, Professional Development, and Technology and Sustainability. The group developed and refined strategies which would be implemented to achieve the overall goals established within the technology plan which were reported back to the larger committee for feedback and review.

Technology Planning Committee Structure and Organization

Group	**Function**	**Responsibilities**
Core Committee	• General organization and planning • Data collection • Develop mission statement and goals • Develop and evaluate gap analysis • Develop and evaluate strategies • Assess progress/status of technology plan with resource groups	• Prepare for committee meetings. • Meet additionally prior to monthly meetings or as needed
Larger Committee	• Assist Core Group • Analyze needs for each major plan section • Develop strategies • Provide general input and feedback	• Convene as needed • Attend meetings of entire committee

Technology Planning Committee Meeting Schedule

Meeting Date	**Topic**	**Attendance**
Oct. 4, 2010	Introduction / Background / Purpose and Structure of Committee	7
Nov. 18, 2010	Review of Vision and Goals	7
Jan. 10, 2011	Technology and Community Involvement, Professional Development and related Activities/Strategies	Email Meeting (8 responses)

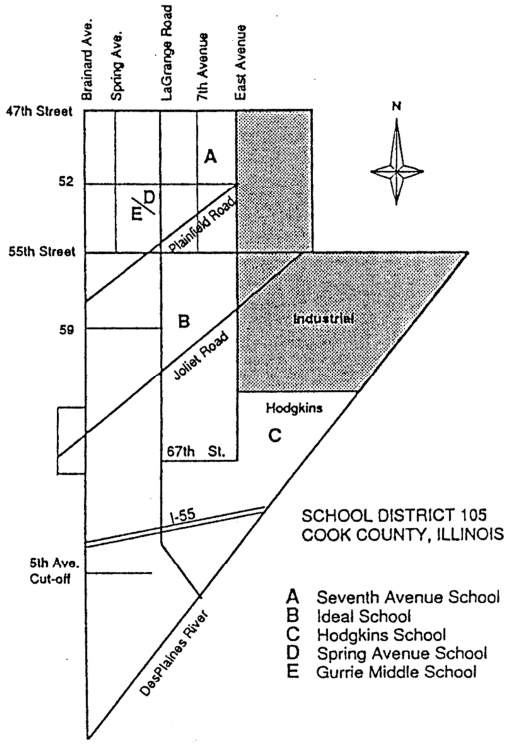
Feb. 10, 2011	Curriculum and Instruction Goals and related Activities/Strategies	10
Mar. 10, 2011	Deployment and Infrastructure Goals and related Activities/Strategies	7
Apr. 21, 2011	Review and approve the final draft, provide input and make final recommendations	12

Beyond the Technology Planning Committee Meetings, additional information was gathered via surveys. These surveys were targeted to students, parents, and staff as part of the general school improvement planning process. To aid in technology planning, questions concentrating on the availability, usage, attitudes, and concerns surrounding technology were incorporated into the district-wide surveying efforts.

The Technology Planning Committee recognizes the need to continue to involve District shareholders in planning the direction of technology in the learning community.

Section 3: District / Community Profile

La Grange District #105 (South) includes areas of La Grange, Countryside, and Hodgkins. It is located in suburban Cook County, approximately one mile east of the DuPage County border. The District is 6.25 square miles in size and is bordered on the north by 47th street, the east by East Avenue, the south by 1-55, and the west by Brainard Avenue.



The District is comprised of 5 neighborhood schools, all with a complete range of services and specialized teachers:

District 105 Central Office
701 South Seventh Avenue
LaGrange, IL 60525
708-482-2700
Dr. Glenn T. Schlichting, Superintendent of Schools

Hodgkins School
6516 South Kane Avenue
Hodgkins, IL 60525
708-482-2740
Mr. John Signatur, Principal

Ideal School
9901 West 58th Street
Countryside, IL 60525
708-482-2750
Mr. Steve Bahn, Principal

Seventh Avenue
701 South Seventh Avenue
LaGrange, IL 60525
708-482-2730
Mrs. Sherry Krzyzanski, Principal

Spring Avenue School
1001 South Spring Avenue
LaGrange, IL 60525
708-482-2710
Mrs. Elizabeth Webb, Principal

Gurrie Middle School
1001 South Spring Avenue
LaGrange, IL 60525
708-482-2720
Mr. Edmund Hood, Principal

The District is administered by the following members of the Board of Education:

Mr. Mark Smith, President
Mr. David Herndon, Vice President
Mrs. Eileen Tucker, Secretary
Mrs. Virginia Kogen
Dr. Kristine Lonsway
Mr. Larry Prystalski
Mrs. Jan Reagan

District History

The first building in the District was erected in 1886 at the corner of East Avenue and Joliet Road. Students attended classes in that building until it was destroyed by fire in March of 1918. A new building, Ideal School, was constructed and a separate building, Hodgkins School, was built in Hodgkins. In 1920, a third building, Seventh Avenue School, was constructed "on the prairie" to house students in the area that was growing due to the expansion of General Motors Electromotive Railroad Engine Plant. As a result of further growth in the District's population, the decision was made to build a fourth facility, Spring Avenue School, in LaGrange in 1950. The middle school, Gurrie Middle School, was opened in 1957 as W. F. Gurrie Central Junior High School. The District reached its largest size in the 1970s and currently has a population of approximately 1400 students in Pre-K through 8th grade.

During the 2010-11 school year, District #105 employed 10 administrators, 115 certified full-time faculty members, 103 non-certified personnel. The community is one that has consistently expected high academic standards for its children. Standards and expectations were set in the 1950s and 1960s by an upwardly mobile population that expected a superior education for their children. Today, the District is experiencing a new surge of young professional families that also place a high value on education.

Demographics

The families of the District community range from a very high poverty level to a significantly high level of wealth. Some families are recent Hispanic immigrants while others have grown up in the school system. The three main communities of District #105 contain a mix of residential and commercial areas, industrial property, and a portion of the Cook County Forest Preserve. LaGrange is primarily made up of residential, single-family homes. The City of Countryside is a balance of commercial and residential areas, including single-family homes and a number of multiple-family dwellings. The Village of Hodgkins contains both single-family homes and multiple-family dwellings and commercial areas.

Existing Technology Infrastructure

Student Lab Profiles

Technology within District 105 is deployed in desktop and mobile lab environments. The desktop computer labs are typically within, or adjacent to, each school's Library Learning Center. Each of the five schools is equipped with a single desktop computer lab consisting of at least 24 PC's. Gurrie Middle School has five wireless mobile labs, the first of which was implemented during the 2005-06 school year. The notebooks are housed in a portable security cart equipped with 20 notebook computers. Each elementary school has six mobile labs containing 5 notebook computers. There are approximately 600 total staff and student computers deployed throughout District 105. Each building has been cabled for data communications. With the completion of the 2011

construction project all connections will have been professionally installed, tested, and certified.

Typical Classroom Profile

The typical classroom in District 105 is equipped with a laptop, local printer and telephone. Standard equipment also includes an overhead projector and wall mounted projection screen. Other equipment, such as televisions, VCR/DVD players, LCD projectors, are either on mobile carts available for check out through the Library or stored in common areas for faculty to share. Every classroom PC can access the district's wired or wireless network and the Internet. For instructional use, mobile lab equipment needs to be reserved, and carted to the classroom.

Typical Current Classroom Hardware:

- Each classroom either has its own LCD projector or access to one
- Access to digital cameras, video/Flip cameras
- Access to mobile carts
- Access to document cameras (approx. 2 per building)
- Prometheans (Ideal and Hodgkins all K-6 classrooms have been outfitted through grant funding)
- Overhead projectors or access to one
- Teacher laptop and desk jet or laser jet printer

Typical Classroom Infrastructure:

- Network
    - Three duplex Ethernet connections (minimum connections per classroom following summer 2011 construction)
    - Wireless access at all buildings (minimum of one wireless access point per classroom following summer 2011 construction)
- Electric Power
    - Minimum of 3 duplex outlets (minimum connections per classroom following summer 2011 construction)
    - Power strip surge protection

Typical Current Tech Champion Classroom
Same as above plus the following:

- Promethean
- Student Response Systems (Ideal and Hodgkins Tech Champs only due to grant funding)
- Gateway Tablet Computers

Typical classroom specifications

Laptop	Printer	Telephone
Minimum Specs: HP 6710b • 1.8 GHz Celeron Processor • 1 GB RAM • CD/DVD RW drive • USB ports Maximum Specs: Lenovo ThinkPad R500 • 2.1 GHz Intel Core 2 Duo Processor • 2 GB RAM • CD/DVD RW drive • USB ports	• HP 6940 DeskJet • HP 1020 LaserJet • HP 1006 LaserJet	Cisco IP Phone 7940/7942 Series Two line

"Back-Office" Technology Profile

The "back-office" profile refers to the technology that supports the overall operation of the district itself; tasks include keeping the phones and computers running as well as providing systems such as the student information system.

The district consists of 4 separate physical locations. Hodgkins, Ideal and Seventh are connected by a fiber backbone to the primary MDF (Main Distribution Frame) which is located at Spring/Gurrie, creating the district's WAN (Wide Area Network). The primary MDF has a single fiber connection to the ICN, our internet service provider, which provides the district's only connection to the "cloud".

Each location has its own LAN (Local Area Network) which consists of a wired and wireless infrastructure both of which are accessible in every room. Each building has a centralized file and print server which backs up locally to disk daily and once a week it is backed up to disk from the individual schools to a server located at the primary MDF and finally moved to tape for disaster recovery purposes.

Many systems including student information system (SIS), email, media servers, phone and voicemail are centralized in the primary MDF and services are shared between the buildings. Applications that support a variety of "back-office" functions in the district such as PowerSchool (SIS), Inform (Achievement Data Management System), Destiny (Library Management System), SIF (School Interoperability Framework), Microsoft Exchange (Email Server) and antivirus are hosted by the district at our primary MDF. However, some of our applications such as SchoolFusion (our website) have moved to the "cloud", these applications are managed by the district but hosted externally in data centers owned and operated by a service provider.

"Back-Office" Infrastructure

- Network
  - 4 routers
  - 4 wireless controllers
  - 1 core chassis-based PoE (Power over Ethernet) managed switch
  - 21 PoE managed switches
  - Cat 6e Ethernet Cable Plant (minimum specs following summer 2011 construction)
  - 82 Wireless Access Points (minimum of one wireless access point per classroom following summer 2011 construction)
- Electric Power
  - Uninterrupted Power Supplies
- Servers
  - 2 Servers (Windows)
  - 5 VMWare ESXi 4 Hosts
    - 14 Virtual Machine Servers (Windows)
      - The virtual servers provide resources on the network such as antivirus, email, active directory, printing and file sharing
- Storage Appliances
  - 5 External Disk Storage Systems
- Phone System
  - 5 Media Convergence Servers
- Network Appliances
  - Firewall
  - Email filter
  - Web Content Filter
- Network Printers
  - 7 Multifunction Devices (copier/scanner/printer)
  - 11 Centralized Printers

Section 4: Vision

Vision

The stakeholders and students of District 105 benefit from the increasing use of technology as an integral component of educational practices of the district. Our stakeholders' vision of technology and its embedded role in society demonstrate a commitment to addressing current and future needs of our community. It is through the joint efforts of educators, students, parents, and community members that we will continually research, plan, and produce a dynamic technology model for our district's needs.

Vision Statement

It is our shared vision of District 105 to develop a comprehensive system of education that will prepare all our District staff, students, parents, and community members for the future. The purpose of our plan is to support the overarching district goals as follows:

Goal 1. Students will achieve high academic standards

- Use technology resources to enhance student learning and achieve high academic standards.
- Ensure the equitable and consistent use throughout the district of technology resources, researched-based instructional activities, and best practices.

Goal 2. Students attend school in a safe and supportive learning environment

- Ensure that students use technology in a safe and supportive learning environment.

Goal 3. District 105 excels as an organization

- Incorporate challenging, motivating, and engaging educational experiences into established curricular areas.

Goal 4. District 105 excels in its business operations

- Ensure that technology resources are up-to-date, functional, effective, convenient and available for classroom and support staff.

Goal 5. District 105 builds a connected learning community

- Employ ongoing, accessible instructional technology support for students, staff and the community.

Profile of a Future Classroom in District 105

Today's students are digital natives and they learn differently than students in the past. The future workplace will require that our students are able to quickly adapt to new technologies. Having a variety of software and hardware in the classroom will most closely resemble the environment that those students will experience as adults in the future.

Historically, technology changes rapidly and there are no reasons to believe that will change in the near future. We understand that the vision of what the future classroom will look like is only a vision tempered by the current state of technology. It is our expectation that our vision will be revised and modified during the process of the implementation of this technology plan. Each year the core committee members will evaluate and recommend any appropriate modifications to this plan.

In the past five years we have come closer to implementing our vision of "smart classrooms" across the district. One in which technology tools are seamlessly integrated into the student learning environment. The concept is based on the premise that all of the learning tools that a student needs should be accessible within the classroom learning space, thereby allowing the teachers to capitalize on teachable moments using a variety of technology tools. Bringing technology into the classroom, such as notebooks, projectors, interactive whiteboards, digital media, and digital microscopes allows students to utilize a variety of learning styles and allows quick access to investigative learning.

Students will be able to use clusters of notebook computers to conduct research, write, or learn mathematics concepts. With a classroom LCD projector or interactive whiteboard, the teacher will be able to easily show a class a writing sample, a website, or a math problem. With access to an interactive whiteboard the teacher could not only display information but could use special pens to highlight digital content. This would be especially important when teaching students how to evaluate and read Internet content as well as using math software or websites.

Using a variety of technology tools allows teachers to effectively differentiate their instruction and tailor each student's learning activities to individual learning outcomes. For classroom responses, notebooks and student response systems can allow students to compose responses in digital formats. Utilizing the student response systems the teacher can gain quick and easy access to these responses making this an excellent tool for formative assessment.

Differentiation of instruction can be optimally achieved by using diagnostic and prescriptive software especially in the area of mathematics, as we have seen with the use of such products as Scholastic's FASTT Math, Read180 and System44. Using software on clusters of computers within the classroom will allow the teacher to easily monitor, track, and obtain progress reports on student learning. To truly differentiate instruction we need to be able to specifically identify a student's needs and specifically target instruction towards those needs.

Having the software and hardware within the classroom makes a huge difference in how the teacher and students use instructional time. When the equipment and software are easily available in the classroom, the teacher can effectively use small increments of time and capitalize on student differences in speed, learning needs, and styles. Having digital still and video cameras available to students in the classroom will help incorporate a visual/audio component to the learning process. In addition, the more we encourage students to use hardware and software creatively, the more we are teaching independent "out of the box" thinking skills.

Technology Glossary

Cluster

A cluster refers to a small group of computers that are placed in a classroom learning environment.

Cloud

The term "cloud" is used as a metaphor for the Internet, based on the cloud drawing used in the past to represent the telephone network and later the Internet in computer network diagrams as a generalization of the underlying infrastructure it symbolizes.

Digital audio

Refers to the reproduction and transmission of sound stored in a digital format. This includes CDs as well as any sound files stored on a computer.

Document Camera / Elmo

A projector that will capture an image of printed material (such as a page in a book) and display it on a display screen.

E-learning (electronic learning)

Term covering a wide set of applications and processes, such as web-based learning, computer-based learning, virtual classrooms, and digital collaboration. It includes the delivery of content via Internet, intranet/extranet (LAN/WAN), audio- and DVD, satellite broadcast, interactive TV, CD-ROM, and more.

IDF (Intermediate Distribution Frame)

An IDF room contains networking equipment delivering connectivity to a localized area such as a building floor. It also connects internal telecommunication lines to the MDF.

Just-in-time (JIT)

Characteristic of e-learning in which learners are able to access the information they need exactly when they need it.

Laptop/Notebook/Tablet

A computer that is portable and contains the CPU, keyboard, and display all in one small unit. Additionally, a tablet has a touch screen interface.

LAN (Local Area Network)

Two or more computers, usually within a building, that are connected so they can interact with each other.

LCD

Liquid Crystal Display. A type of display used especially in small portable electronic devices (digital watches & clocks, cell phones, PDAs, etc.) as well as laptop computers and most flat-panel monitors and TVs.

LCD Projector

A projector used to display the visual output from a computer monitor, VCR, or DVD player. Often the projectors are ceiling mounted to enable better viewing in a classroom.

MDF (Main Distribution Frame)

A MDF is a cable rack that interconnects and manages the telecommunications wiring between itself and any number of IDFs. Unlike an IDF, which connects internal lines to the MDF, the MDF connects private or public lines coming into a building with the internal network. For example, a building with multiple floors may have one MDF on the first floor and one IDF on each of the floors that is connected to the MDF.

Multimedia

Encompasses interactive text, images, sound, and color. Multimedia can be anything from a simple PowerPoint slide show to a complex interactive simulation

Network

Two or more computers that are connected so users can share files and devices (for example, printers, servers, and storage devices).

Promethean (Also referred to as Interactive Whiteboard or Smartboard)

It is large interactive display that is connected to a computer and projector by which users control the computer using a stylus or other device. The board is usually mounted to a wall or a floor stand.

WAN (Wide Area Network)

WANs are used to connect LANs and other types of networks together, so that users and computers in one location can communicate with users and computers in other geographic location.

Section 5: Data Collection & Analysis

The data analysis for Community Involvement, Curriculum & Instruction, Professional Development and Technology Deployment was created from input by students, parents, faculty, support staff, administrators and District 105 School Board members. The data collected provided a clearer picture of our current situation as well as an idea for strategies to reach newly established goals for the revised technology plan.

In July of 2005, our school board and superintendent adopted high level strategic academic, social-emotional, and business goals for District 105. These strategic goals have established a roadmap and clear targets for all of District 105. First, our district administrators determined specific targets to reach these high-level goals. Next, each of our five schools formulated building and grade levels targets based on these district level goals. At all levels, progress toward targets is monitored and shared quarterly with District 105 stakeholders through dashboards published on the district website. This process is reviewed and revised annually. District goals have been instrumental in the design and development of this technology plan.

Goal 1. Students will achieve high academic standards
- Students read on grade level by the end of third grade
- Students achieve district learning goals in all curricular areas
- Students achieve annual progress targets in reading and math
- Student achieve district social emotional learning goals
- Students meet or exceed state ISAT standards in reading and math
- Students make a successful transition to high school

Goal 2. Students attend school in a safe and supportive learning environment
- Students have a sense of belonging and feel safe, respected, and free from bullying
- Students have adults in the school that they feel care about them and that they feel they can go for academic, social, and emotional support
- District climate data improves over time

Goal 3. District 105 excels as an organization
- Students are challenged and motivated by a rigorous, well-executed curriculum

Goal 4. District 105 excels in its business operations
- District maintains appropriate financial resources to meet the needs of its community

Goal 5. District 105 builds a connected learning community
- Parents and community members feel that they are welcomed throughout the district and that their support and assistance are sought
- District facilities are attractive, healthy, safe, clean, and well maintained

The strategies and activities outlined in this technology plan were developed for the purpose of closing the gap between our current reality and our vision in terms of technology while simultaneously achieving the goals outlined by our school board. In doing so, the direction of technology and development of analysis tools will provide our

faculty and staff with the resources necessary to make data-driven decisions. This will give teachers the information needed to reassess the current means of instructional delivery and set a new and more effective direction to their teaching methodology.

The following sources of data were collected in order to chart the gap between the current reality of the District's educational status and its vision in the areas of Community Involvement, Curriculum & Instruction, Professional Development and Technology Deployments & Sustainability.

The documents used and information gathered include:

- LaGrange School District 105 Dashboard
- School District 105 Parent Survey, 2010
- School District 105 Student Survey, 2010
- School District 105 Teacher Survey, 2010
- Technology Planning Committee Meetings
- Illinois State Report Card, Fall 2010
- Smart Classrooms for Technology Champions
- Technology Planning Committee Meetings
- Hardware Inventory Analysis
- Software Analysis
- ISTE Technology Support Index Assessment
- District 105 Network Diagram
- Consortium for Educational Change (CEC)

Current Reality / Identified Gaps

Community Involvement

Current Reality
Data from the surveys indicate that parents interact with the district website frequently. Middle school parents access the parent portal for student grades and progress. Parents of students in the elementary grades have expressed interest in the parent portal at the elementary level.
District 105 offers an annual internet safety course.
District 105 currently does not offer any technology courses for community members.
District 105 currently does not offer low-cost computer purchase options to the community.
District 105 has a limited connection to the community, including local businesses.
District 105 has received limited funding through competitive grants.

Identified Gaps	**Strategies** **(see section 6a)**
District 105 needs to investigate ways to offer technology related courses to community members or connect them with technology courses based on interest and need.	A1, A2, A3
District 105 needs to continually connect to its community members, including local businesses, and solicit technology feedback via mailings and surveys.	A5, A7, A8
District 105 needs to investigate options to make technology more available to parents, students, and the community through the use of its computer labs outside the school day, purchasing power and retired equipment.	A4, A6
District 105 needs to investigate expanding the Parent Portal to make it accessible for K-6 Parents	A9

Curriculum & Instruction

Current Reality
Parents and teachers highly rank technology among all needs facing schools today.
Curriculum renewal committees are in place to provide a stronger framework for the integration of technology into each of the content areas.
The District has been using various delivery models for technology integration at the elementary buildings and the middle school. The models allow for flexible computer lab scheduling and greater opportunities for integrated instructional uses of technology.
Gurrie student, parent, and staff responses indicate that the integration of technology into the instructional process continues to increase significantly.
Gurrie Teacher use is 84.5% at least "once a week" (up from 83% 2009) as reported by students.
Gurrie Assignment of homework requiring the use of technology is holding at 67% of students report at least "once a week".
90% of Gurrie students report they use the Internet to research a topic.
92.9% of Gurrie students report access to the Internet at home (up from 91% 2009).
Results from elementary parent and student surveys indicate that the level of technology integration into the instructional process has seen a significant increase following relatively flat results over the previous three years.
Elementary teacher use is 87.7% (up from 73% 2009) at least "once a week" as reported by students.
Assignment of homework requiring the use of technology by elementary teachers; parents – 77.55% agree or strongly agree (up from 48% 2009); students – 51.3% report at least "once a week".
64 % of elementary students report use of the Internet to research a topic.
86% of our elementary students indicate they have access to the Internet at home (this is up from 82% 2009).

Identified Gaps	**Strategies** **(see section 6b)**
The District needs to incorporate considerations of technology resources into the curriculum renewal process for each content area so that the classroom use of technology to support the achievement of content learning targets (i.e. math, reading, science) will be increased.	**B2, B8, B12, B13, B16**

The District needs to make technology more easily accessible to staff and students.	**B3, B4, B5, B6, B7, B18**
The District needs to develop a district-wide technology integration delivery model that focuses on the technology grade level learning targets and reflects best practices.	**B1, B10, B14, B15, B19**
The District needs to develop technology-based strategies to improve student performance in math computation.	**B9**
The District needs to incorporate more online options for parent and student communication and education.	**B11, B17**

Professional Development

Current Reality
An informal staff development program is in place which is discretionary and depends largely on just-in-time delivery addressing individual needs.
Technology Champions and Library Media Specialists currently assist staff with professional development.
There are limited online training opportunities available for District 105 personnel.
The current delivery models for technology integration do not allow for routine collaboration / training time during the school day for teachers, Library Media Specialists, and technology staff.
Teachers indicate a need for more computer access to move forward with technology integration.
Teachers indicated the need for additional training on the best ways to integrate technology in the curriculum. Through annual district surveys and needs assessment surveys, teachers identified the need to increase their ability to integrate technology into the instructional process.

Identified Gaps	**Strategies** **(see section 6c)**
A comprehensive professional development approach should be formalized addressing all staff: teachers, administrators, library/media personnel, and support staff if the Curriculum & Instruction and Deployment & Sustainability initiatives are to be a success. The program should be progressive in nature utilizing adult learning principles, diverse learning opportunities, flexible scheduling, and appropriate incentives. Basic troubleshooting needs to be a built-in component to all learning activities.	**C1, C2, C3, C4, C5**
Training should continue to be provided to all data entry staff: building secretaries, administrative assistants, and department support staff. Data entry staff should understand how district data is shared between departments to support the comprehension of field definitions as well as the need for accurate data. Focus of training should be on uniform district-wide data entry and verification procedures. The goal should be to ensure data entry personnel know what data they are responsible for, where to place it, and how to enter data so others can use it.	**C11, C12**
Training should be provided for all staff involved in data driven decision making: Teachers, administrators, principals, Library Media personnel, and administrative assistants. Data analysis staff should understand the procedures for manipulating data: importing/exporting data, creating formulas, and creating pivot tables. Data analysis staff should also know how to effectively communicate using charts/graphs, pivot tables, and presentation or word processing software.	**C10**
Online learning opportunities need to be an alternative option for staff members as to accommodate schedules and user skill levels. Online training needs to be provided onsite as well as remotely.	**C6**
Teachers need to be supported with ongoing technology-related professional development opportunities.	**C7, C8, C9**

Technology Deployment and Sustainability

Current Reality
Most segments of the District's wide-area network are equipped with new hardware. Many Cisco routers and switches have been upgraded over the past 3 years. Cisco has a process of bringing products to End Of Sale (EOS) and the subsequent support for the products, this timeline varies depending on the product. Some network hardware has been identified as falling under this policy and will not be supported by Cisco for the full term of this plan.
Each facility contains one or more Intermediate Distribution Frame (IDF) sites. In some cases, the room where the rack resides is utilized by students. This increases the risk of disconnection and failure.
The WAN configuration allows for centralized services (Internet, content filtering, security, e-mail, telephony, voice-mail, data back-up and recovery, virus protection, databases, etc.) to be distributed and upgraded efficiently and cost-effectively provided the WAN data links do not become congested due to increased usage.
One single Internet connection (10mbps Fiber) provides Internet services to all schools.
The student-to-computer ratio is currently 2:1 at Gurrie, 4:1 Hodgkins and Seventh, 5:1 at Ideal and 6:1 at Spring. Four out of the five schools fall within the optimal 2-5:1 ratio according to ITSE (International Society for Technology in Education) TSI (Technology Support Index).
A standardized set of productivity tools (including Microsoft Office) are distributed district-wide.
Wireless technologies are being used to enhance teacher / student access to available resources.
There is no schedule in place for periodic security audits of Internet firewall and wireless technologies.
There is one dedicated "computer technician" employed by the school district. Computer-to-Technician ratio is at 600:1 well over 250:1 and rated as "Deficient" according to the TSI.
No formula-driven staffing equations are used or considered when determining technology staffing needs.
The technical staff manages all deployment of new equipment and management of existing equipment requiring a reduction in instructional technology services throughout the school year.
A clear path for resolution of technical issues is in place. Electronic communication including a help desk system, email, IP telephony, and voice-mail services are available to most everyone in the organization and are integrated into daily work so that it can be used for technical support.
The staff currently seeks limited help from online knowledgebases for technical help. The district needs to work to promote and train staff how to use these resources.
Contracted support is strategically used as a part of the overall support strategy to resolve complex technical issues.
Imaging software is used for delivery of new machines, and as a troubleshooting strategy. Software installed through the imaging process is comprehensive. More efficient means of imaging and thin client solutions should be investigated
Remote access to email and individual network storage areas are available to all District users.
The Technology Department tracks and analyzes purchasing, hardware inventory, software inventory, and desktop configuration information.

Identified Gaps	**Strategies** **(see section 6d)**
The District should continue to provide its current set of centralized services and make provisions for additional services as circumstances and needs dictate.	**D1, D2, D5, D10, D11, D12, D16, D19, D20, D22**
The District should maintain a replacement cycle for all technology equipment that takes into consideration current: student to workstation ratios, changes in student population, technology needs in content areas, and over-all usage.	**D3, D4, D6, D8, D9, D14, D15, D21**
The District's software purchase procedure should be a component of the curriculum renewal process and take into account changes in software compatibility with newer operating systems.	**D13**
The District should continue to provide, and expand upon, the current level of technical and instructional support services available to staff and students.	**D7, D17, D18**

Section 6: Action Plan

Time line: Year 1 (2011-2012 School Year)
Year 2 (2012-2013 School Year)
Year 3 (2013-2014 School Year)
Year 5 (2014-2015 School Year)
Year 6 (2015-2016 School Year)

6a. Community Involvement

Goal 6a. Ensure that District 105 builds and harbors an interconnected learning community consisting of district students, staff, parents, and all residents, businesses and other organizations within District 105.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
A1	Offer courses for community parents on Internet Safety.	Tech Director LMS	0	Y1 – Y5	N/A
A2	Survey community members to determine additional courses to be offered.	Tech Director LMS	Y1: $150 Y2: $150 Y3: $150 Y4: $150 Y5: $150	Y1 – Y5	District Funds
A3	Investigate ways to deliver additional technology courses to community members based on survey data.	Tech Director LMS	0	Y1 – Y5	N/A
A4	Investigate options to offer low cost or discounted computers to community members.	Tech Dept.	0	Y1 – Y5	N/A
A5	Survey and connect with businesses within the District 105 community to build partnerships.	Tech. Director Admin Team	Y1: $150 Y2: $150 Y3: $150 Y4: $150 Y5: $150	Y1 – Y5	District Funds
A6	Pursue alternative forms of technology funding by competing for grants.	Superintendent Dir. of Curriculum Tech Director LMS	0	Y1 – Y5	N/A
A7	Investigate options for a more comprehensive school communication delivery that would include voice/email/text.	Tech Dept.	Y1: $1K Y2: $1K Y3: $1K Y4: $1K Y5: $1K	Y1-Y5	District Funds
A8	Investigate ways to automate processes for parents such as lunch funds electronic deposit and self-registration.	Tech Dept.	Y1: $1K Y2: $1K Y3: $1K Y4: $1K Y5: $1K	Y1-Y5	District Funds
A9	Investigate providing access to grades via PowerSchool Parent Portal for grades K-6.	Tech Dept.	0	Y1-Y5	N/A

Success Indicators	
	Increased usage of District 105 website.
	Increased presence of relevant, dynamic content on District 105 website.
	Increased connection and communication with the community.
	Technology classes being offered to parents and community members.

6b. Curriculum & Instruction

Goal 6b.1: Ensure students achieve high academic standards.

Goal 6b.2: Ensure that the use of technology is employed in a consistent and seamless manner across classrooms and schools utilizing the district power standards to support student achievement.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
B1	Evaluate student progress toward achieving grade level learning targets through administration of benchmark technology.	Tech Director LMS Teachers	0	Y1 – Y5	N/A
B2	Technology will be wrapped into the curriculum renewal process for all content areas using science as model.	Tech Director Dir. of Curriculum Curriculum Committees	0	Y1 – Y5	N/A
B3	Evaluate the "Technology Champions" program.	Superintendent Dir. of Curriculum Tech Director	0	Y1 – Y5	N/A
B4	Integration of Interactive Whiteboards.	Tech Director	Y1: $77.5K Y2: $62.5K	Y1 – Y2	District Funds
B5	Over the next 5 years increase student laptops to allow 1 mobile cluster of laptops (4-6) per elementary classroom. Purchases of mobile clusters of laptops should consider student to computer ratio.	Tech Director	Y1: $21.9K Y2: $21.9K Y3: $21.9K Y4: $21.9K Y5: $21.9K	Y1 – Y5	District Funds
B6	Equip classrooms with technology to build "Smart Classrooms" over the next 5 years.	Tech Director Tech Specialist	Y1: $38K Y2: $26.5K Y3: $26.5K Y4: $46.5K Y5: $53K	Y1 – Y5	District Funds
B7	Move to equip the middle school students with 1:1 laptop ratio over the next 5 years.	Tech Director Tech Specialist	Y1: $16K Y2: $16K Y3: $16K Y4: $16K Y5: $16K	Y1 – Y5	District Funds
B8	Evaluation of newly acquired technology in conjunction with new curriculum adoption and build expectations.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A
B9	Grades 1-5 teachers will continue use math software to reinforce facts and basic computational skills and through use of clusters computers.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A
B10	K-6 teachers will continue use typing software to reinforce keyboarding skills through use of new clusters (4-6) of computers.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A

B11	4-6 grade teachers will continue to post homework assignments on SchoolFusion.	Tech Director Teachers Dir. of Curriculum LMS Principals	Y1 : $5.6K Y2 : $5.6K Y3 : $5.6K Y4 : $5.6K Y5 : $5.6K	Y1 – Y5	District Funds
B12	Integrate decisions about the instructional uses of technology into the district curriculum renewal process.	Tech Director Dir. of Curriculum LMS Curric. Committees	0	Y1 – Y5	N/A
B13	Integrate technology to support student learning in all content areas.	Tech Director Dir. of Curriculum LMS Curric. Committees	0	Y1 – Y5	N/A
B14	Continued implementation of grade level technology learning targets that were developed based upon Power Standards.	Tech Director Dir. of Curriculum LMS Teachers Curric. Committees	0	Y1 – Y5	N/A
B15	Review grade level technology learning expectations with the Lyons Township Articulation Committee.	Tech Director Dir. of Curriculum	0	Y1 – Y5	N/A
B16	Ongoing integrated instructional approach based on Power Standards.	Tech Director Dir. of Curriculum LMS Teachers	0	Y1 – Y5	N/A
B17	Implement a summer regression/summer community webpage with recommendations from consultant and committees that supports improved student numeracy and literacy with interactive learning activities, especially during the summer months.	Dir. of Curriculum, Curric. Committees Principals, Tech Director Tech Specialist LMS	0	Y1 – Y5	N/A
B18	Purchase subscriptions to on-line reference resources.	Tech Director LMS	Y1: $10K Y2: $10K Y3: $10K Y4: $10K Y5: $10K	Y1 – Y5	District Funds
B19	Investigate need for additional instructional technology support personnel.	Superintendent Tech Director Dir. of Curriculum	0	Y1 – Y5	N/A

Success Indicators	
	Increased integration of technology into the instructional process.
	Increased student performance in district assessments aligned with district/school dashboards
	Creation of a technology-rich PreK-8 curriculum.
	Increased student performance and independence of technology skills.
	Parents have access to and understand Power Standards achievement of their students.

6c. Professional Development

Goal 6c.1: Ensure that district technology-related professional development incorporates best practices, accounts for varying ability levels, allows for anytime-anywhere accessibility, and supports District 105's long range goals.

Goal 6c.2: Ensure that district staff attains the necessary professional, technology proficiency to support District 105's long range goals.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
C1	Perform needs assessment at each building and develop professional development plan.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C2	Offer in-house training classes in response to needs assessment.	Tech Director Dir. of Curriculum LMS	Y1: $2K Y2: $2K Y3: $2K Y4: $2K Y5: $2K	Y1-Y5	District Funds
C3	Offer professional development related to Instructional Technology and best practices.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C4	Evaluate "Technology Champion" program.	Tech Director Dir. of Curriculum Superintendent	0	Y1-Y5	N/A
C5	Investigate ways to support staff training on all district technology initiatives.	Tech Director Dir. of Curriculum	Y1: $8K Y2: $8K Y3: $8K Y4: $8K Y5: $8K	Y1-Y5	District Funds
C6	Investigate ways to deliver video or online training.	Tech Dept. Dir. of Curriculum LMS	Y1: $1K Y2: $1K Y3: $1K Y4: $1K Y5: $1K	Y1-Y5	District Funds
C7	Train teachers on existing, as well as new technology, through PLDs, Tech Feast and workshops.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C8	Organize Staff Development opportunities to before or after school.	Tech Director Dir. of Curriculum LMS	Y1: $2K Y2: $2K Y3: $2K Y4: $2K Y5: $2K	Y1-Y5	District Funds
C9	Support teacher attendance at technology conferences.	Tech Director Superintendent Principals	Y1: $2.7K Y2: $2.7K Y3: $2.7K Y4: $2.7K Y5: $2.7K	Y1-Y5	District Funds
C10	Offer data analysis training for teachers and administrators.	Tech Director Dir. of Curriculum	0	Y1-Y5	N/A
C11	Provide training to staff in student management system.	Tech Director Tech Specialist	0	Y1 – Y5	N/A
C12	Allot time for SIS (Student Information System) development and database modifications.	Tech Director Tech. Specialist	0	Y1 – Y5	N/A

Success Indicators	
	In-house professional development opportunities based on teacher needs taking place.
	Professional development opportunities related to Instructional Technology, Technology Skills Integration, and best practices offered on a quarterly basis.
	Increased level of student-centered lesson plans incorporation technology.
	Increased use of student profile and performance data to target student instructional needs through the use of new student management system.

6d. Technology Deployment and Sustainability

Goal 6d.1: Provide appropriate, reliable (well-maintained), cost-effective, and easily accessible technology to support District 105's long range goals.

Goal 6d.2: Provide a robust, flexible, and stable technology infrastructure ready to meet increasingly demanding future needs.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
D1	Maintain professional installation, certification, and patching of all data connections.	Tech Director	Y1: $10K Y2: $10K Y3: $10K Y4: $10K Y5: $10K	Y1 – Y5	District Funds
D2	Provision for increased bandwidth to counter increased demand in bandwidth.	Tech Director	Y1: $12K Y2: $12K Y3: $12K Y4: $12K Y5: $12K	Y1 – Y5	District Funds
D3	Maintain a 5 year purchasing cycle on all PC's.	Tech Director	Y1: $231K Y2: $235.7K Y3: $220K Y4: $71.8 K Y5: $92.8	Y1 – Y5	District Funds
D4	Maintain a 5 year purchasing cycle on servers, including VOIP telephony server, to ensure continued replacement of out-of-date hardware.	Tech Director	Y1: $67K Y2: $50K Y3: $80K Y4: $120K Y5: $70K	Y1 – Y5	District Funds
D5	Continue professional maintenance and support of network resources (printing, Internet, intranet, file, applications, etc.).	Tech Director	Y1: $63K Y2: $75K Y3: $75K Y4: $75K Y5: $75K	Y1 – Y5	District Funds
D6	Phase out / replace antiquated technologies and peripherals.	Tech Director Tech Specialist	Y1: $13.8K Y2: $15.9K Y3: $15.9K Y4: $15.9K Y5: $15.9K	Y1 – Y5	District Funds
D7	Provide continued "Help Desk" support to all District personnel and students.	Tech Director Tech Specialist	Y1: $1.2K Y2: $1.2K Y3: $1.2K Y4: $1.2K Y5: $1.2K	Y1 – Y5	District Funds
D8	Evaluate and potentially upgrade industrial tech equipment and modules.	Tech Director Dir. of Curriculum Gurrie Principal Ind. Tech Teacher	0	Y1 – Y5	N/A
D9	Upgrade file servers as disk space capacity and reliability dictate.	Tech Director	Y1: $20K Y2: $20K Y3: $20K Y4: $20K Y5: $20K	Y1 – Y5	District Funds
D10	Ongoing implementation of Schools Interoperability Framework (SIF) on relevant systems (PowerSchool, Active Directory, and Follett) to increase productivity and limit data entry errors.	Tech Director	Y1: $2K Y2: $12K Y3: $4K Y4: $2K Y5: $2K	Y1 – Y5	District Funds

D11	Purchase staff hardware, miscellaneous replacement parts and services (repairs, replacement parts, etc.).	Tech Director	Y1: $15.5K Y2: $15.5K Y3: $15.5K Y4: $15.5K Y5: $15.5K	Y1 – Y5	District Funds
D12	Upgrade RAM to a minimum of 2 GB on all district computers.	Tech Director	Y1: $10.3K	Y1	District Funds
D13	Purchase services & support renewals of existing licensed services / systems including but not limited to Windows, Follett, Anti-Virus, Backup Systems, PowerSchool, Inform, SIF Agents Renewals, ICN Internet, network hardware, telephony, and content filtering.	Tech Director	Y1: $92.9K Y2: $102.9K Y3: $105.8K Y4: $121.1K Y5: $110K	Y1 – Y5	District Funds
D14	Replacement of IP telephones due to normal usage.	Tech Department	Y1: $1.5K Y2: $1.5K Y3: $1.5K Y4: $1.5K Y5: $1.5K	Y1 – Y5	District Funds
D15	Addition / replacement of power protection equipment.	Tech Director	Y1: $5K Y2: $5K Y3: $5K Y4: $5K Y5: $5K	Y1 – Y5	District Funds
D16	Investigate adding additional network laser printers at all schools to move to a centralized printing solution.	Tech Director	0	Y2	N/A
D17	Hire summer technology help to assist in deployment of new technology resources.	Tech Director	Y1: $5K Y2: $5K Y3: $5K Y4: $5K Y5: $5K	Y1 – Y5	District Funds
D18	Investigate need for additional technology support personnel to maintain increased level of technology resources and services.	Superintendent Tech Director	0	Y1	N/A
D19	Investigate implementation of online registration system and electronic lunch funding system within District 105.	Tech. Director Tech. Specialist Community Resource Group	0	Y1-Y5	N/A
D20	Maintain wireless network within all schools to provide anytime/anywhere access to support best practices.	Tech Director	0	Y1 – Y5	District Funds
D21	Purchase consumable supplies (batteries, toner etc.)	Tech Director	Y1: $31K Y2: $31K Y3: $31K Y4: $31K Y5: $31K	Y1 – Y5	District Funds
D22	Investigate possibility of moving to a virtual desktop environment.	Tech Director	0	Y1-5	N/A

Success Indicators	
	Maintain scheduled replacement cycle for technology equipment.
	District-wide system for funding, purchasing, equipment/software evaluation.
	Presence of a robust, flexible, and stable infrastructure (data and electrical) that is ready to meet increasingly demanding future needs.
	Variety of reliable, easily accessible technology tools available to students, staff and community based on best practice research.

Section 7: Assessment and Evaluation

According to the Illinois State Board of Education School District Technology Plan Blueprint, the following qualities are necessary for effective evaluations:

- Identification of methods to be used for evaluation;
- Expected results/success indicators for each goal, strategy, and/or activity;
- Data collection methods used include;
- Adequate, doable and practical evaluations.

The Technology Plan has clear goals with multiple indicators of success. Due to the evolving nature of technology and education, those responsible for the implementation of this plan will continue to identify and implement relevant technology standards to enhance our curriculum in order to improve student learning. Access to research studies that highlight "best practice" strategies will guide the evolution of this document.

Means of Assessment

Community Involvement	
Goal(s)	Ensure that District 105 builds and harbors an interconnected learning community consisting of district students, staff, parents, and all residents, businesses and other organizations within District 105.
Expected Results	Existence of a frequently accessed, highly interactive website and Student Information System for students, parents, community members and staff containing information and resources pertinent to all stakeholders.
Indicators of Success	Increased usage of the District 105 website and Student Information System. Increased presence of relevant, dynamic content on the District 105 website and Student Information System. Increased connection and communication with the community. Technology classes being offered to parents and community members.
Measurement Instrument(s)	Community and Parent Surveys. Evaluation of District 105 website traffic using Google Analytics.
Frequency of Analysis	Annual evaluation of progress toward achieving the goal.

Curriculum and Instruction	
Goal(s)	Ensure students achieve high academic standards. Ensure that the use of technology is employed in a consistent manner across classrooms and schools to support student achievement.
Expected Results	The presence of a technology-rich educational environment across District 105 where access to technology resources are easily and quickly available. The presence of a technology-rich curriculum where relevant, real-world skills are integrated where appropriate into existing district-wide units throughout all content areas.
Indicators of Success	Increased integration of technology into the instructional process. Creation of new units, integrated with technology, developed at each grade level. Increased student performance on formal assessments.

Measurement Instrument(s)	Student Survey, Parent Survey, Teacher Survey, MAP Data, CBM Data, Student Artifacts
Frequency of Analysis	Annual evaluation of progress toward achieving the goal.

Professional Development	
Goal(s)	Ensure that district technology-related professional development incorporates best practices, accounts for varying ability levels, allows for anytime-anywhere accessibility, and supports District 105's long range goals. Ensure that district staff attains the necessary professional, technology proficiency to support District 105's long range goals.
Expected Results	Presence of flexible, technology-related learning opportunities for staff. An increased level of confidence with, and knowledge of, technology integration strategies among staff members. An increased level of confidence with, and knowledge of, accessing and analyzing student performance data among staff members.
Indicators of Success	In-house professional development opportunities based on teacher needs taking place. Professional development opportunities related to Instructional Technology, Technology Skills Integration, and best practices provided on a quarterly basis. Increased level of student-centered lesson plans incorporating technology. Increased use of student profile and performance data to target student instructional needs through the use of new student management system.
Measurement Instrument(s)	Teacher Survey and Student Artifacts.
Frequency of Analysis	Annual evaluation of progress toward achieving the goal.

Deployment and Sustainability	
Goal(s)	Provide appropriate, reliable (well-maintained), cost-effective, and easily accessible technology to support District 105's long range goals. Provide a robust, flexible, and stable technology infrastructure ready to meet increasingly demanding future needs.
Expected Results	Existence of a stable, robust wired and wireless data infrastructure. Existence of a stable electrical infrastructure. Existence of an environment where well-maintained, energy/cost-efficient, current technologies are readily available and easily-accessible throughout District 105. A student to computer ratio of 1:1 at Gurrie Middle School and classroom laptop sets at the elementary schools.
Indicators of Success	Maintaining a scheduled replacement cycle for technology equipment. Presence of a robust, flexible, and stable infrastructure (data and electrical) ready to meet increasingly demanding future needs. Variety of reliable, easily accessible technology tools available to students and staff based on best practice research. District-wide system for funding, purchasing, equipment/software evaluation.
Measurement Instrument(s)	Teacher Survey, Student Survey, Inventory Assessment, Failure Analysis and Uptime Metrics.

Frequency of Analysis	Annual evaluation of progress toward achieving the goal.

Adequate, doable and practical evaluations

Evaluation instruments are critical to the success of the Technology Plan. If we are to see evidence of success, we must have clear goals, measurable success indicators and current data. Collaboration with the Curriculum Teams, School Improvement Teams, Technology Staff and School Board will help us to refine the evaluation instruments so that they measure and provide the most useful information required to improve student learning.

The Technology Manager will present a report each spring to the District 105 Board of Education on the progress of this technology plan and the achievement of the established goals and indicators of success. The level of success of this plan, as presented, will determine the commitment of funding by the school board for subsequent years of the plan.

Section 8: Timeline

Year 1 (2011-2012 school year)

6a. Community Involvement

Goal 6a. Ensure that District 105 builds and harbors an interconnected learning community consisting of district students, staff, parents, and all residents, businesses and other organizations within District 105.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
A1	Offer courses for community parents on Internet Safety.	Tech Director LMS	0	Y1-Y5	N/A
A2	Survey community members to determine additional courses to be offered.	Tech Director LMS	Y1: $150	Y1-Y5	District Funds
A3	Investigate ways to deliver additional technology courses to community members based on survey data.	Tech Director LMS	0	Y1-Y5	N/A
A4	Investigate options to offer low cost or discounted computers to community members.	Tech Dept.	0	Y1-Y5	N/A
A5	Survey and connect with businesses within the District 105 community to build partnerships.	Tech. Director Admin Team	Y1: $150	Y1-Y5	District Funds
A6	Pursue alternative forms of technology funding by competing for grants.	Superintendent Dir. of Curriculum Tech Director LMS	0	Y1-Y5	N/A
A7	Investigate options for a more comprehensive school communication delivery that would include voice/email/text.	Tech Dept.	Y1: $1K	Y1-Y5	District Funds
A8	Investigate ways to automate processes for parents such as lunch funds electronic deposit and self-registration.	Tech Dept.	Y1: $1K	Y1-Y5	District Funds
A9	Investigate providing access to grades via PowerSchool Parent Portal for grades K-6.	Tech Dept.	0	Y1-Y5	N/A

6b. Curriculum & Instruction

Goal 6b.1: Ensure students achieve high academic standards.

Goal 6b.2: Ensure that the use of technology is employed in a consistent and seamless manner across classrooms and schools utilizing the district power standards to support student achievement.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
B1	Evaluate student progress toward achieving grade level learning targets through administration of benchmark technology. .	Tech Director LMS Teachers	0	Y1-Y5	N/A
B2	Technology will be wrapped into the curriculum renewal process for all content areas using science as model.	Tech Director Dir. of Curriculum Curriculum Committees	0	Y1-Y5	N/A
B3	Evaluate the "Technology Champions" program.	Superintendent Dir. of Curriculum Tech Director	0	Y1-Y5	N/A
B4	Integration of Interactive Whiteboards.	Tech Director	Y1: $77.5K	Y1-Y2	District Funds
B5	Over the next 5 years increase student laptops to allow 1 mobile cluster of laptops (4-6) per elementary classroom. Purchases of mobile clusters of laptops should consider student to computer ratio.	Tech Director	Y1: $21.9K	Y1-Y5	District Funds
B6	Equip classrooms with technology to build "Smart Classrooms" over the next 5 years.	Tech Director Tech Specialist	Y1: $38K	Y1-Y5	District Funds
B7	Move to equip the middle school students with 1:1 laptop ratio over the next 5 years.	Tech Director Tech Specialist	Y1: $16K	Y1-Y5	District Funds
B8	Evaluation of newly acquired technology in conjunction with new curriculum adoption and build expectations.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1-Y5	N/A
B9	Grades 1-5 teachers will continue use math software to reinforce facts and basic computational skills and through use of clusters computers.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1-Y5	N/A
B10	K-6 teachers will continue use typing software to reinforce keyboarding skills through use of new clusters (4-6) of computers.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1-Y5	N/A

B11	4-6 grade teachers will continue to post homework assignments on SchoolFusion.	Tech Director Teachers Dir. of Curriculum LMS Principals	Y1 : $5.6K	Y1-Y5	District Funds
B12	Integrate decisions about the instructional uses of technology into the district curriculum renewal process.	Tech Director Dir. of Curriculum LMS Curric. Committees	0	Y1-Y5	N/A
B13	Integrate technology to support student learning in all content areas.	Tech Director Dir. of Curriculum LMS Curric. Committees	0	Y1-Y5	N/A
B14	Continued implementation of grade level technology learning targets that were developed based upon Power Standards.	Tech Director Dir. of Curriculum LMS Teachers Curric. Committees	0	Y1-Y5	N/A
B15	Review grade level technology learning expectations with the Lyons Township Articulation Committee.	Tech Director Dir. of Curriculum	0	Y1-Y5	N/A
B16	Ongoing integrated instructional approach based on Power Standards.	Tech Director Dir. of Curriculum LMS Teachers	0	Y1-Y5	N/A
B17	Implement a summer regression/summer community webpage with recommendations from consultant and committees that supports improved student numeracy and literacy with interactive learning activities, especially during the summer months.	Dir. of Curriculum, Curric. Committees Principals, Tech Director Tech Specialist LMS	0	Y1-Y5	N/A
B18	Purchase subscriptions to on-line reference resources.	Tech Director LMS	Y1: $10K	Y1-Y5	District Funds
B19	Investigate need for additional instructional technology support personnel.	Superintendent Tech Director Dir. of Curriculum	0	Y1-Y5	N/A

6c. Professional Development

Goal 6c.1: Ensure that district technology-related professional development incorporates best practices, accounts for varying ability levels, allows for anytime-anywhere accessibility, and supports District 105's long range goals.

Goal 6c.2: Ensure that district staff attains the necessary professional, technology proficiency to support District 105's long range goals.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
C1	Perform needs assessment at each building and develop professional development plan.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C2	Offer in-house training classes in response to needs assessment.	Tech Director Dir. of Curriculum LMS	Y1: $2K	Y1-Y5	District Funds
C3	Offer professional development related to Instructional Technology and best practices.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C4	Evaluate "Technology Champion" program.	Tech Director Dir. of Curriculum Superintendent	0	Y1-Y5	N/A
C5	Investigate ways to support staff training on all district technology initiatives.	Tech Director Dir. of Curriculum	Y1: $8K	Y1-Y5	District Funds
C6	Investigate ways to deliver video or online training.	Tech Dept. Dir. of Curriculum LMS	Y1: $1K	Y1-Y5	District Funds
C7	Train teachers on existing, as well as new technology, through PLDs, Tech Feast and workshops.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C8	Organize Staff Development opportunities to before or after school.	Tech Director Dir. of Curriculum LMS	Y1: $2K	Y1-Y5	District Funds
C9	Support teacher attendance at technology conferences.	Tech Director Superintendent Principals	Y1: $2.7K	Y1-Y5	District Funds
C10	Offer data analysis training for teachers and administrators.	Tech Director Dir. of Curriculum	0	Y1-Y5	N/A
C11	Provide training to staff in student management system.	Tech Director Tech Specialist	0	Y1 – Y5	N/A
C12	Allot time for SIS (Student Information System) development and database modifications.	Tech Director Tech. Specialist	0	Y1 – Y5	N/A

6d. Technology Deployment and Sustainability

Goal 6d.1: Provide appropriate, reliable (well-maintained), cost-effective, and easily accessible technology to support District 105's long range goals.

Goal 6d.2: Provide a robust, flexible, and stable technology infrastructure ready to meet increasingly demanding future needs.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
D1	Maintain professional installation, certification, and patching of all data connections.	Tech Director	Y1: $10K	Y1-Y5	District Funds
D2	Provision for increased bandwidth to counter increased demand in bandwidth.	Tech Director	Y1: $12K	Y1 – Y5	District Funds
D3	Maintain a 5 year purchasing cycle on all PC's.	Tech Director	Y1: $231K	Y1 – Y5	District Funds
D4	Maintain a 5 year purchasing cycle on servers, including VOIP telephony server, to ensure continued replacement of out-of-date hardware.	Tech Director	Y1: $67K	Y1 – Y5	District Funds
D5	Continue professional maintenance and support of network resources (printing, Internet, intranet, file, applications, etc.).	Tech Director	Y1: $63K	Y1 – Y5	District Funds
D6	Phase out / replace antiquated technologies and peripherals.	Tech Director Tech Specialist	Y1: $13.8K	Y1 – Y5	District Funds
D7	Provide continued "Help Desk" support to all District personnel and students.	Tech Director Tech Specialist	Y1: $1.2K	Y1 – Y5	District Funds
D8	Evaluate and potentially upgrade industrial tech equipment and modules.	Tech Director Dir. of Curriculum Gurrie Principal Ind. Tech Teacher	0	Y1 – Y5	N/A
D9	Upgrade file servers as disk space capacity and reliability dictate.	Tech Director	Y1: $20K	Y1 – Y5	District Funds
D10	Ongoing implementation of Schools Interoperability Framework (SIF) on relevant systems (PowerSchool, Active Directory, and Follett) to increase productivity and limit data entry errors.	Tech Director	Y1: $2K	Y1 – Y5	District Funds
D11	Purchase staff hardware, miscellaneous replacement parts and services (repairs, replacement parts, etc.).	Tech Director	Y1: $15.5K	Y1 – Y5	District Funds

D12	Upgrade RAM to a minimum of 2 GB on all district computers.	Tech Director	Y1: $10.3K	Y1	District Funds
D13	Purchase services & support renewals of existing licensed services / systems including but not limited to Windows, Follett, Anti-Virus, Backup Systems, PowerSchool, Inform, SIF Agents Renewals, ICN Internet, network hardware, telephony, and content filtering.	Tech Director	Y1: $92.9K	Y1 – Y5	District Funds
D14	Replacement of IP telephones due to normal usage.	Tech Department	Y1: $1.5K	Y1 – Y5	District Funds
D15	Addition / replacement of power protection equipment.	Tech Director	Y1: $5K	Y1 – Y5	District Funds
D16	Investigate adding additional network laser printers at all schools to move to a centralized printing solution.	Tech Director	0	Y2	N/A
D17	Hire summer technology help to assist in deployment of new technology resources.	Tech Director	Y1: $5K	Y1 – Y5	District Funds
D18	Investigate need for additional technology support personnel to maintain increased level of technology resources and services.	Superintendent Tech Director	0	Y1	N/A
D19	Investigate implementation of online registration system and electronic lunch funding system within District 105.	Tech. Director Tech. Specialist Community Resource Group	0	Y1-Y5	N/A
D20	Maintain wireless network within all schools to provide anytime/anywhere access to support best practices.	Tech Director	0	Y1 – Y5	District Funds
D21	Purchase consumable supplies (batteries, toner etc.)	Tech Director	Y1: $31K	Y1 – Y5	District Funds
D22	Investigate possibility of moving to a virtual desktop environment.	Tech Director	0	Y1-5	N/A

Year 1 Budget Summary	**Amount**
Community Involvement	2,300.00
Curriculum and Instruction	169,000.00
Professional Development	15,700.00
Deployment and Sustainability	581,200.00
Total	**$768,200.00**

Year 2 (2012-2013 school year)

6a. Community Involvement

Goal 6a. Ensure that District 105 builds and harbors an interconnected learning community consisting of district students, staff, parents, and all residents, businesses and other organizations within District 105.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
A1	Offer courses for community parents on Internet Safety.	Tech Director LMS	0	Y1 – Y5	N/A
A2	Survey community members to determine additional courses to be offered.	Tech Director LMS	Y2: $150	Y1 – Y5	District Funds
A3	Investigate ways to deliver additional technology courses to community members based on survey data.	Tech Director LMS	0	Y1 – Y5	N/A
A4	Investigate options to offer low cost or discounted computers to community members.	Tech Dept.	0	Y1 – Y5	N/A
A5	Survey and connect with businesses within the District 105 community to build partnerships.	Tech. Director Admin Team	Y2: $150	Y1 – Y5	District Funds
A6	Pursue alternative forms of technology funding by competing for grants.	Superintendent Dir. of Curriculum Tech Director LMS	0	Y1 – Y5	N/A
A7	Investigate options for a more comprehensive school communication delivery that would include voice/email/text.	Tech Dept.	Y2: $1K	Y1-Y5	District Funds
A8	Investigate ways to automate processes for parents such as lunch funds electronic deposit and self-registration.	Tech Dept.	Y2: $1K	Y1-Y5	District Funds
A9	Investigate providing access to grades via PowerSchool Parent Portal for grades K-6.	Tech Dept.	0	Y1-Y5	N/A

6b. Curriculum & Instruction

Goal 6b.1: Ensure students achieve high academic standards.

Goal 6b.2: Ensure that the use of technology is employed in a consistent and seamless manner across classrooms and schools utilizing the district power standards to support student achievement.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
B1	Evaluate student progress toward achieving grade level learning targets through administration of benchmark technology. .	Tech Director LMS Teachers	0	Y1 – Y5	N/A
B2	Technology will be wrapped into the curriculum renewal process for all content areas using science as model.	Tech Director Dir. of Curriculum Curriculum Committees	0	Y1 – Y5	N/A
B3	Evaluate the "Technology Champions" program.	Superintendent Dir. of Curriculum Tech Director	0	Y1 – Y5	N/A
B4	Integration of Interactive Whiteboards.	Tech Director	Y2: $62.5K	Y1 – Y2	District Funds
B5	Over the next 5 years increase student laptops to allow 1 mobile cluster of laptops (4-6) per elementary classroom. Purchases of mobile clusters of laptops should consider student to computer ratio.	Tech Director	Y2: $21.9K	Y1 – Y5	District Funds
B6	Equip classrooms with technology to build "Smart Classrooms" over the next 5 years.	Tech Director Tech Specialist	Y2: $26.5K	Y1 – Y5	District Funds
B7	Move to equip the middle school students with 1:1 laptop ratio over the next 5 years.	Tech Director Tech Specialist	Y2: $16K	Y1 – Y5	District Funds
B8	Evaluation of newly acquired technology in conjunction with new curriculum adoption and build expectations.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A
B9	Grades 1-5 teachers will continue use math software to reinforce facts and basic computational skills and through use of clusters computers.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A
B10	K-6 teachers will continue use typing software to reinforce keyboarding skills through use of new clusters (4-6) of computers.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A

B11	4-6 grade teachers will continue to post homework assignments on SchoolFusion.	Tech Director Teachers Dir. of Curriculum LMS Principals	Y2 : $5.6K	Y1 – Y5	District Funds
B12	Integrate decisions about the instructional uses of technology into the district curriculum renewal process.	Tech Director Dir. of Curriculum LMS Curric. Committees	0	Y1 – Y5	N/A
B13	Integrate technology to support student learning in all content areas.	Tech Director Dir. of Curriculum LMS Curric. Committees	0	Y1 – Y5	N/A
B14	Continued implementation of grade level technology learning targets that were developed based upon Power Standards.	Tech Director Dir. of Curriculum LMS Teachers Curric. Committees	0	Y1 – Y5	N/A
B15	Review grade level technology learning expectations with the Lyons Township Articulation Committee.	Tech Director Dir. of Curriculum	0	Y1 – Y5	N/A
B16	Ongoing integrated instructional approach based on Power Standards.	Tech Director Dir. of Curriculum LMS Teachers	0	Y1 – Y5	N/A
B17	Implement a summer regression/summer community webpage with recommendations from consultant and committees that supports improved student numeracy and literacy with interactive learning activities, especially during the summer months.	Dir. of Curriculum, Curric. Committees Principals, Tech Director Tech Specialist LMS	0	Y1 – Y5	N/A
B18	Purchase subscriptions to on-line reference resources.	Tech Director LMS	Y2: $10K	Y1 – Y5	District Funds
B19	Investigate need for additional instructional technology support personnel.	Superintendent Tech Director Dir. of Curriculum	0	Y1 – Y5	N/A

6c. Professional Development

Goal 6c.1: Ensure that district technology-related professional development incorporates best practices, accounts for varying ability levels, allows for anytime-anywhere accessibility, and supports District 105's long range goals.

Goal 6c.2: Ensure that district staff attains the necessary professional, technology proficiency to support District 105's long range goals.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
C1	Perform needs assessment at each building and develop professional development plan.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C2	Offer in-house training classes in response to needs assessment.	Tech Director Dir. of Curriculum LMS	Y2: $2K	Y1-Y5	District Funds
C3	Offer professional development related to Instructional Technology and best practices.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C4	Evaluate "Technology Champion" program.	Tech Director Dir. of Curriculum Superintendent	0	Y1-Y5	N/A
C5	Investigate ways to support staff training on all district technology initiatives.	Tech Director Dir. of Curriculum	Y2: $8K	Y1-Y5	District Funds
C6	Investigate ways to deliver video or online training.	Tech Dept. Dir. of Curriculum LMS	Y2: $1K	Y1-Y5	District Funds
C7	Train teachers on existing, as well as new technology, through PLDs, Tech Feast and workshops.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C8	Organize Staff Development opportunities to before or after school.	Tech Director Dir. of Curriculum LMS	Y2: $2K	Y1-Y5	District Funds
C9	Support teacher attendance at technology conferences.	Tech Director Superintendent Principals	Y2: $2.7K	Y1-Y5	District Funds
C10	Offer data analysis training for teachers and administrators.	Tech Director Dir. of Curriculum	0	Y1-Y5	N/A
C11	Provide training to staff in student management system.	Tech Director Tech Specialist	0	Y1 – Y5	N/A
C12	Allot time for SIS (Student Information System) development and database modifications.	Tech Director Tech. Specialist	0	Y1 – Y5	N/A

6d. Technology Deployment and Sustainability

Goal 6d.1: Provide appropriate, reliable (well-maintained), cost-effective, and easily accessible technology to support District 105's long range goals.

Goal 6d.2: Provide a robust, flexible, and stable technology infrastructure ready to meet increasingly demanding future needs.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
D1	Maintain professional installation, certification, and patching of all data connections.	Tech Director	Y2: $10K	Y1 – Y5	District Funds
D2	Provision for increased bandwidth to counter increased demand in bandwidth.	Tech Director	Y2: $12K	Y1 – Y5	District Funds
D3	Maintain a 5 year purchasing cycle on all PC's.	Tech Director	Y2: $235.7K	Y1 – Y5	District Funds
D4	Maintain a 5 year purchasing cycle on servers, including VOIP telephony server, to ensure continued replacement of out-of-date hardware.	Tech Director	Y2: $50K	Y1 – Y5	District Funds
D5	Continue professional maintenance and support of network resources (printing, Internet, intranet, file, applications, etc.).	Tech Director	Y2: $75K	Y1 – Y5	District Funds
D6	Phase out / replace antiquated technologies and peripherals.	Tech Director Tech Specialist	Y2: $15.9K	Y1 – Y5	District Funds
D7	Provide continued "Help Desk" support to all District personnel and students.	Tech Director Tech Specialist	Y2: $1.2K	Y1 – Y5	District Funds
D8	Evaluate and potentially upgrade industrial tech equipment and modules.	Tech Director Dir. of Curriculum Gurrie Principal Ind. Tech Teacher	0	Y1 – Y5	N/A
D9	Upgrade file servers as disk space capacity and reliability dictate.	Tech Director	Y2: $20K	Y1 – Y5	District Funds
D10	Ongoing implementation of Schools Interoperability Framework (SIF) on relevant systems (PowerSchool, Active Directory, and Follett) to increase productivity and limit data entry errors.	Tech Director	Y2: $12K	Y1 – Y5	District Funds
D11	Purchase staff hardware, miscellaneous replacement parts and services (repairs, replacement parts, etc.).	Tech Director	Y2: $15.5K	Y1 – Y5	District Funds

D12	Upgrade RAM to a minimum of 2 GB on all district computers.	Tech Director	0	Y1	District Funds
D13	Purchase services & support renewals of existing licensed services / systems including but not limited to Windows, Follett, Anti-Virus, Backup Systems, PowerSchool, Inform, SIF Agents Renewals, ICN Internet, network hardware, telephony, and content filtering.	Tech Director	Y2: $102.9K	Y1 – Y5	District Funds
D14	Replacement of IP telephones due to normal usage.	Tech Department	Y2: $1.5K	Y1 – Y5	District Funds
D15	Addition / replacement of power protection equipment.	Tech Director	Y2: $5K	Y1 – Y5	District Funds
D16	Investigate adding additional network laser printers at all schools to move to a centralized printing solution.	Tech Director	0	Y2	N/A
D17	Hire summer technology help to assist in deployment of new technology resources.	Tech Director	Y2: $5K	Y1 – Y5	District Funds
D18	Investigate need for additional technology support personnel to maintain increased level of technology resources and services.	Superintendent Tech Director	0	Y1	N/A
D19	Investigate implementation of online registration system and electronic lunch funding system within District 105.	Tech. Director Tech. Specialist Community Resource Group	0	Y1-Y5	N/A
D20	Maintain wireless network within all schools to provide anytime/anywhere access to support best practices.	Tech Director	0	Y1 – Y5	District Funds
D21	Purchase consumable supplies (batteries, toner etc.)	Tech Director	Y2: $31K	Y1 – Y5	District Funds
D22	Investigate possibility of moving to a virtual desktop environment.	Tech Director	0	Y1-5	N/A

Year 2 Budget Summary	**Amount**
Community Involvement	2,300.00
Curriculum and Instruction	142,500.00
Professional Development	15,700.00
Deployment and Sustainability	597,300.00
Total	**$757,800.00**

Year 3 (2013-2014 school year)

6a. Community Involvement

Goal 6a. Ensure that District 105 builds and harbors an interconnected learning community consisting of district students, staff, parents, and all residents, businesses and other organizations within District 105.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
A1	Offer courses for community parents on Internet Safety.	Tech Director LMS	0	Y1 – Y5	N/A
A2	Survey community members to determine additional courses to be offered.	Tech Director LMS	Y3: $150	Y1 – Y5	District Funds
A3	Investigate ways to deliver additional technology courses to community members based on survey data.	Tech Director LMS	0	Y1 – Y5	N/A
A4	Investigate options to offer low cost or discounted computers to community members.	Tech Dept.	0	Y1 – Y5	N/A
A5	Survey and connect with businesses within the District 105 community to build partnerships.	Tech. Director Admin Team	Y3: $150	Y1 – Y5	District Funds
A6	Pursue alternative forms of technology funding by competing for grants.	Superintendent Dir. of Curriculum Tech Director LMS	0	Y1 – Y5	N/A
A7	Investigate options for a more comprehensive school communication delivery that would include voice/email/text.	Tech Dept.	Y3: $1K	Y1-Y5	District Funds
A8	Investigate ways to automate processes for parents such as lunch funds electronic deposit and self-registration.	Tech Dept.	Y3: $1K	Y1-Y5	District Funds
A9	Investigate providing access to grades via PowerSchool Parent Portal for grades K-6.	Tech Dept.	0	Y1-Y5	N/A

6b. Curriculum & Instruction

Goal 6b.1: Ensure students achieve high academic standards.

Goal 6b.2: Ensure that the use of technology is employed in a consistent and seamless manner across classrooms and schools utilizing the district power standards to support student achievement.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
B1	Evaluate student progress toward achieving grade level learning targets through administration of benchmark technology. .	Tech Director LMS Teachers	0	Y1 – Y5	N/A
B2	Technology will be wrapped into the curriculum renewal process for all content areas using science as model.	Tech Director Dir. of Curriculum Curriculum Committees	0	Y1 – Y5	N/A
B3	Evaluate the "Technology Champions" program.	Superintendent Dir. of Curriculum Tech Director	0	Y1 – Y5	N/A
B4	Integration of Interactive Whiteboards.	Tech Director	0	Y1 – Y2	District Funds
B5	Over the next 5 years increase student laptops to allow 1 mobile cluster of laptops (4-6) per elementary classroom. Purchases of mobile clusters of laptops should consider student to computer ratio.	Tech Director	Y3: $21.9K	Y1 – Y5	District Funds
B6	Equip classrooms with technology to build "Smart Classrooms" over the next 5 years.	Tech Director Tech Specialist	Y3: $26.5K	Y1 – Y5	District Funds
B7	Move to equip the middle school students with 1:1 laptop ratio over the next 5 years.	Tech Director Tech Specialist	Y3: $16K	Y1 – Y5	District Funds
B8	Evaluation of newly acquired technology in conjunction with new curriculum adoption and build expectations.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A
B9	Grades 1-5 teachers will continue use math software to reinforce facts and basic computational skills and through use of clusters computers.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A
B10	K-6 teachers will continue use typing software to reinforce keyboarding skills through use of new clusters (4-6) of computers.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A

B11	4-6 grade teachers will continue to post homework assignments on SchoolFusion.	Tech Director Teachers Dir. of Curriculum LMS Principals	Y3 : $5.6K	Y1 – Y5	District Funds
B12	Integrate decisions about the instructional uses of technology into the district curriculum renewal process.	Tech Director Dir. of Curriculum LMS Curric. Committees	0	Y1 – Y5	N/A
B13	Integrate technology to support student learning in all content areas.	Tech Director Dir. of Curriculum LMS Curric. Committees	0	Y1 – Y5	N/A
B14	Continued implementation of grade level technology learning targets that were developed based upon Power Standards.	Tech Director Dir. of Curriculum LMS Teachers Curric. Committees	0	Y1 – Y5	N/A
B15	Review grade level technology learning expectations with the Lyons Township Articulation Committee.	Tech Director Dir. of Curriculum	0	Y1 – Y5	N/A
B16	Ongoing integrated instructional approach based on Power Standards.	Tech Director Dir. of Curriculum LMS Teachers	0	Y1 – Y5	N/A
B17	Implement a summer regression/summer community webpage with recommendations from consultant and committees that supports improved student numeracy and literacy with interactive learning activities, especially during the summer months.	Dir. of Curriculum, Curric. Committees Principals, Tech Director Tech Specialist LMS	0	Y1 – Y5	N/A
B18	Purchase subscriptions to on-line reference resources.	Tech Director LMS	Y3: $10K	Y1 – Y5	District Funds
B19	Investigate need for additional instructional technology support personnel.	Superintendent Tech Director Dir. of Curriculum	0	Y1 – Y5	N/A

6c. Professional Development

Goal 6c.1: Ensure that district technology-related professional development incorporates best practices, accounts for varying ability levels, allows for anytime-anywhere accessibility, and supports District 105's long range goals.

Goal 6c.2: Ensure that district staff attains the necessary professional, technology proficiency to support District 105's long range goals.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
C1	Perform needs assessment at each building and develop professional development plan.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C2	Offer in-house training classes in response to needs assessment.	Tech Director Dir. of Curriculum LMS	Y3: $2K	Y1-Y5	District Funds
C3	Offer professional development related to Instructional Technology and best practices.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C4	Evaluate "Technology Champion" program.	Tech Director Dir. of Curriculum Superintendent	0	Y1-Y5	N/A
C5	Investigate ways to support staff training on all district technology initiatives.	Tech Director Dir. of Curriculum	Y3: $8K	Y1-Y5	District Funds
C6	Investigate ways to deliver video or online training.	Tech Dept. Dir. of Curriculum LMS	Y3: $1K	Y1-Y5	District Funds
C7	Train teachers on existing, as well as new technology, through PLDs, Tech Feast and workshops.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C8	Organize Staff Development opportunities to before or after school.	Tech Director Dir. of Curriculum LMS	Y3: $2K	Y1-Y5	District Funds
C9	Support teacher attendance at technology conferences.	Tech Director Superintendent Principals	Y3: $2.7K	Y1-Y5	District Funds
C10	Offer data analysis training for teachers and administrators.	Tech Director Dir. of Curriculum	0	Y1-Y5	N/A
C11	Provide training to staff in student management system.	Tech Director Tech Specialist	0	Y1 – Y5	N/A
C12	Allot time for SIS (Student Information System) development and database modifications.	Tech Director Tech. Specialist	0	Y1 – Y5	N/A

6d. Technology Deployment and Sustainability

Goal 6d.1: Provide appropriate, reliable (well-maintained), cost-effective, and easily accessible technology to support District 105's long range goals.

Goal 6d.2: Provide a robust, flexible, and stable technology infrastructure ready to meet increasingly demanding future needs.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
D1	Maintain professional installation, certification, and patching of all data connections.	Tech Director	Y3: $10K	Y1 – Y5	District Funds
D2	Provision for increased bandwidth to counter increased demand in bandwidth.	Tech Director	Y3: $12K	Y1 – Y5	District Funds
D3	Maintain a 5 year purchasing cycle on all PC's.	Tech Director	Y3: $220K	Y1 – Y5	District Funds
D4	Maintain a 5 year purchasing cycle on servers, including VOIP telephony server, to ensure continued replacement of out-of-date hardware.	Tech Director	Y3: $80K	Y1 – Y5	District Funds
D5	Continue professional maintenance and support of network resources (printing, Internet, intranet, file, applications, etc.).	Tech Director	Y3: $75K	Y1 – Y5	District Funds
D6	Phase out / replace antiquated technologies and peripherals.	Tech Director Tech Specialist	Y3: $15.9K	Y1 – Y5	District Funds
D7	Provide continued "Help Desk" support to all District personnel and students.	Tech Director Tech Specialist	Y3: $1.2K	Y1 – Y5	District Funds
D8	Evaluate and potentially upgrade industrial tech equipment and modules.	Tech Director Dir. of Curriculum Gurrie Principal Ind. Tech Teacher	0	Y1 – Y5	N/A
D9	Upgrade file servers as disk space capacity and reliability dictate.	Tech Director	Y3: $20K	Y1 – Y5	District Funds
D10	Ongoing implementation of Schools Interoperability Framework (SIF) on relevant systems (PowerSchool, Active Directory, and Follett) to increase productivity and limit data entry errors.	Tech Director	Y3: $4K	Y1 – Y5	District Funds
D11	Purchase staff hardware, miscellaneous replacement parts and services (repairs, replacement parts, etc.).	Tech Director	Y3: $15.5K	Y1 – Y5	District Funds

D12	Upgrade RAM to a minimum of 2 GB on all district computers.	Tech Director	0	Y1	District Funds
D13	Purchase services & support renewals of existing licensed services / systems including but not limited to Windows, Follett, Anti-Virus, Backup Systems, PowerSchool, Inform, SIF Agents Renewals, ICN Internet, network hardware, telephony, and content filtering.	Tech Director	Y3: $105.8K	Y1 – Y5	District Funds
D14	Replacement of IP telephones due to normal usage.	Tech Department	Y3: $1.5K	Y1 – Y5	District Funds
D15	Addition / replacement of power protection equipment.	Tech Director	Y3: $5K	Y1 – Y5	District Funds
D16	Investigate adding additional network laser printers at all schools to move to a centralized printing solution.	Tech Director	0	Y2	N/A
D17	Hire summer technology help to assist in deployment of new technology resources.	Tech Director	Y3: $5K	Y1 – Y5	District Funds
D18	Investigate need for additional technology support personnel to maintain increased level of technology resources and services.	Superintendent Tech Director	0	Y1	N/A
D19	Investigate implementation of online registration system and electronic lunch funding system within District 105.	Tech. Director Tech. Specialist Community Resource Group	0	Y1-Y5	N/A
D20	Maintain wireless network within all schools to provide anytime/anywhere access to support best practices.	Tech Director	0	Y1 – Y5	District Funds
D21	Purchase consumable supplies (batteries, toner etc.)	Tech Director	Y3: $31K	Y1 – Y5	District Funds
D22	Investigate possibility of moving to a virtual desktop environment.	Tech Director	0	Y1-5	N/A

Year 3 Budget Summary	**Amount**
Community Involvement	2,300.00
Curriculum and Instruction	100,000.00
Professional Development	15,700.00
Deployment and Sustainability	591,900.00
Total	**$709,900.00**

Year 4 (2014-2015 school year)

6a. Community Involvement

Goal 6a. Ensure that District 105 builds and harbors an interconnected learning community consisting of district students, staff, parents, and all residents, businesses and other organizations within District 105.					
Activities / Strategies		**Person Responsible**	**Estimated Cost**	**Timeframe**	**Funding Source**
A1	Offer courses for community parents on Internet Safety.	Tech Director LMS	0	Y1 – Y5	N/A
A2	Survey community members to determine additional courses to be offered.	Tech Director LMS	Y4: $150	Y1 – Y5	District Funds
A3	Investigate ways to deliver additional technology courses to community members based on survey data.	Tech Director LMS	0	Y1 – Y5	N/A
A4	Investigate options to offer low cost or discounted computers to community members.	Tech Dept.	0	Y1 – Y5	N/A
A5	Survey and connect with businesses within the District 105 community to build partnerships.	Tech. Director Admin Team	Y4: $150	Y1 – Y5	District Funds
A6	Pursue alternative forms of technology funding by competing for grants.	Superintendent Dir. of Curriculum Tech Director LMS	0	Y1 – Y5	N/A
A7	Investigate options for a more comprehensive school communication delivery that would include voice/email/text.	Tech Dept.	Y4: $1K	Y1-Y5	District Funds
A8	Investigate ways to automate processes for parents such as lunch funds electronic deposit and self-registration.	Tech Dept.	Y4: $1K	Y1-Y5	District Funds
A9	Investigate providing access to grades via PowerSchool Parent Portal for grades K-6.	Tech Dept.	0	Y1-Y5	N/A

6b. Curriculum & Instruction

Goal 6b.1: Ensure students achieve high academic standards.

Goal 6b.2: Ensure that the use of technology is employed in a consistent and seamless manner across classrooms and schools utilizing the district power standards to support student achievement.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
B1	Evaluate student progress toward achieving grade level learning targets through administration of benchmark technology. .	Tech Director LMS Teachers	0	Y1 – Y5	N/A
B2	Technology will be wrapped into the curriculum renewal process for all content areas using science as model.	Tech Director Dir. of Curriculum Curriculum Committees	0	Y1 – Y5	N/A
B3	Evaluate the "Technology Champions" program.	Superintendent Dir. of Curriculum Tech Director	0	Y1 – Y5	N/A
B4	Integration of Interactive Whiteboards.	Tech Director	0	Y1 – Y2	District Funds
B5	Over the next 5 years increase student laptops to allow 1 mobile cluster of laptops (4-6) per elementary classroom. Purchases of mobile clusters of laptops should consider student to computer ratio.	Tech Director	Y4: $21.9K	Y1 – Y5	District Funds
B6	Equip classrooms with technology to build "Smart Classrooms" over the next 5 years.	Tech Director Tech Specialist	Y4: $46.5K	Y1 – Y5	District Funds
B7	Move to equip the middle school students with 1:1 laptop ratio over the next 5 years.	Tech Director Tech Specialist	Y4: $16K	Y1 – Y5	District Funds
B8	Evaluation of newly acquired technology in conjunction with new curriculum adoption and build expectations.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A
B9	Grades 1-5 teachers will continue use math software to reinforce facts and basic computational skills and through use of clusters computers.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A
B10	K-6 teachers will continue use typing software to reinforce keyboarding skills through use of new clusters (4-6) of computers.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A

B11	4-6 grade teachers will continue to post homework assignments on SchoolFusion.	Tech Director Teachers Dir. of Curriculum LMS Principals	Y4: $5.6K	Y1 – Y5	District Funds
B12	Integrate decisions about the instructional uses of technology into the district curriculum renewal process.	Tech Director Dir. of Curriculum LMS Curric. Committees	0	Y1 – Y5	N/A
B13	Integrate technology to support student learning in all content areas.	Tech Director Dir. of Curriculum LMS Curric. Committees	0	Y1 – Y5	N/A
B14	Continued implementation of grade level technology learning targets that were developed based upon Power Standards.	Tech Director Dir. of Curriculum LMS Teachers Curric. Committees	0	Y1 – Y5	N/A
B15	Review grade level technology learning expectations with the Lyons Township Articulation Committee.	Tech Director Dir. of Curriculum	0	Y1 – Y5	N/A
B16	Ongoing integrated instructional approach based on Power Standards.	Tech Director Dir. of Curriculum LMS Teachers	0	Y1 – Y5	N/A
B17	Implement a summer regression/summer community webpage with recommendations from consultant and committees that supports improved student numeracy and literacy with interactive learning activities, especially during the summer months.	Dir. of Curriculum, Curric. Committees Principals, Tech Director Tech Specialist LMS	0	Y1 – Y5	N/A
B18	Purchase subscriptions to on-line reference resources.	Tech Director LMS	Y4: $10K	Y1 – Y5	District Funds
B19	Investigate need for additional instructional technology support personnel.	Superintendent Tech Director Dir. of Curriculum	0	Y1 – Y5	N/A

6c. Professional Development

Goal 6c.1: Ensure that district technology-related professional development incorporates best practices, accounts for varying ability levels, allows for anytime-anywhere accessibility, and supports District 105's long range goals.

Goal 6c.2: Ensure that district staff attains the necessary professional, technology proficiency to support District 105's long range goals.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
C1	Perform needs assessment at each building and develop professional development plan.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C2	Offer in-house training classes in response to needs assessment.	Tech Director Dir. of Curriculum LMS	Y4: $2K	Y1-Y5	District Funds
C3	Offer professional development related to Instructional Technology and best practices.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C4	Evaluate "Technology Champion" program.	Tech Director Dir. of Curriculum Superintendent	0	Y1-Y5	N/A
C5	Investigate ways to support staff training on all district technology initiatives.	Tech Director Dir. of Curriculum	Y4: $8K	Y1-Y5	District Funds
C6	Investigate ways to deliver video or online training.	Tech Dept. Dir. of Curriculum LMS	Y4: $1K	Y1-Y5	District Funds
C7	Train teachers on existing, as well as new technology, through PLDs, Tech Feast and workshops.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C8	Organize Staff Development opportunities to before or after school.	Tech Director Dir. of Curriculum LMS	Y4: $2K	Y1-Y5	District Funds
C9	Support teacher attendance at technology conferences.	Tech Director Superintendent Principals	Y4: $2.7K	Y1-Y5	District Funds
C10	Offer data analysis training for teachers and administrators.	Tech Director Dir. of Curriculum	0	Y1-Y5	N/A
C11	Provide training to staff in student management system.	Tech Director Tech Specialist	0	Y1 – Y5	N/A
C12	Allot time for SIS (Student Information System) development and database modifications.	Tech Director Tech. Specialist	0	Y1 – Y5	N/A

6d. Technology Deployment and Sustainability

Goal 6d.1: Provide appropriate, reliable (well-maintained), cost-effective, and easily accessible technology to support District 105's long range goals.

Goal 6d.2: Provide a robust, flexible, and stable technology infrastructure ready to meet increasingly demanding future needs.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
D1	Maintain professional installation, certification, and patching of all data connections.	Tech Director	Y4: $10K	Y1 – Y5	District Funds
D2	Provision for increased bandwidth to counter increased demand in bandwidth.	Tech Director	Y4: $12K	Y1 – Y5	District Funds
D3	Maintain a 5 year purchasing cycle on all PC's.	Tech Director	Y4: 71.8K	Y1 – Y5	District Funds
D4	Maintain a 5 year purchasing cycle on servers, including VOIP telephony server, to ensure continued replacement of out-of-date hardware.	Tech Director	Y4: $120K	Y1 – Y5	District Funds
D5	Continue professional maintenance and support of network resources (printing, Internet, intranet, file, applications, etc.).	Tech Director	Y4: $75K	Y1 – Y5	District Funds
D6	Phase out / replace antiquated technologies and peripherals.	Tech Director Tech Specialist	Y4: $15.9K	Y1 – Y5	District Funds
D7	Provide continued "Help Desk" support to all District personnel and students.	Tech Director Tech Specialist	Y4: $1.2K	Y1 – Y5	District Funds
D8	Evaluate and potentially upgrade industrial tech equipment and modules.	Tech Director Dir. of Curriculum Gurrie Principal Ind. Tech Teacher	0	Y1 – Y5	N/A
D9	Upgrade file servers as disk space capacity and reliability dictate.	Tech Director	Y4: $20K	Y1 – Y5	District Funds
D10	Ongoing implementation of Schools Interoperability Framework (SIF) on relevant systems (PowerSchool, Active Directory, and Follett) to increase productivity and limit data entry errors.	Tech Director	Y4: $4K	Y1 – Y5	District Funds
D11	Purchase staff hardware, miscellaneous replacement parts and services (repairs, replacement parts, etc.).	Tech Director	Y4: $15.5K	Y1 – Y5	District Funds

D12	Upgrade RAM to a minimum of 2 GB on all district computers.	Tech Director	0	Y1	District Funds
D13	Purchase services & support renewals of existing licensed services / systems including but not limited to Windows, Follett, Anti-Virus, Backup Systems, PowerSchool, Inform, SIF Agents Renewals, ICN Internet, network hardware, telephony, and content filtering.	Tech Director	Y4: $121.1K	Y1 – Y5	District Funds
D14	Replacement of IP telephones due to normal usage.	Tech Department	Y4: $1.5K	Y1 – Y5	District Funds
D15	Addition / replacement of power protection equipment.	Tech Director	Y4: $5K	Y1 – Y5	District Funds
D16	Investigate adding additional network laser printers at all schools to move to a centralized printing solution.	Tech Director	0	Y2	N/A
D17	Hire summer technology help to assist in deployment of new technology resources.	Tech Director	Y4: $5K	Y1 – Y5	District Funds
D18	Investigate need for additional technology support personnel to maintain increased level of technology resources and services.	Superintendent Tech Director	0	Y1	N/A
D19	Investigate implementation of online registration system and electronic lunch funding system within District 105.	Tech. Director Tech. Specialist Community Resource Group	0	Y1-Y5	N/A
D20	Maintain wireless network within all schools to provide anytime/anywhere access to support best practices.	Tech Director	0	Y1 – Y5	District Funds
D21	Purchase consumable supplies (batteries, toner etc.)	Tech Director	Y4: $31K	Y1 – Y5	District Funds
D22	Investigate possibility of moving to a virtual desktop environment.	Tech Director	0	Y1-5	N/A

Year 4 Budget Summary	**Amount**
Community Involvement	2,300.00
Curriculum and Instruction	100,000.00
Professional Development	15,700.00
Deployment and Sustainability	497,000.00
Total	**$615,000.00**

Year 5 (2015-2016 school year)

6a. Community Involvement

Goal 6a. Ensure that District 105 builds and harbors an interconnected learning community consisting of district students, staff, parents, and all residents, businesses and other organizations within District 105.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
A1	Offer courses for community parents on Internet Safety.	Tech Director LMS	0	Y1 – Y5	N/A
A2	Survey community members to determine additional courses to be offered.	Tech Director LMS	Y5: $150	Y1 – Y5	District Funds
A3	Investigate ways to deliver additional technology courses to community members based on survey data.	Tech Director LMS	0	Y1 – Y5	N/A
A4	Investigate options to offer low cost or discounted computers to community members.	Tech Dept.	0	Y1 – Y5	N/A
A5	Survey and connect with businesses within the District 105 community to build partnerships.	Tech. Director Admin Team	Y5: $150	Y1 – Y5	District Funds
A6	Pursue alternative forms of technology funding by competing for grants.	Superintendent Dir. of Curriculum Tech Director LMS	0	Y1 – Y5	N/A
A7	Investigate options for a more comprehensive school communication delivery that would include voice/email/text.	Tech Dept.	Y5: $1K	Y1-Y5	District Funds
A8	Investigate ways to automate processes for parents such as lunch funds electronic deposit and self-registration.	Tech Dept.	Y5: $1K	Y1-Y5	District Funds
A9	Investigate providing access to grades via PowerSchool Parent Portal for grades K-6.	Tech Dept.	0	Y1-Y5	N/A

6b. Curriculum & Instruction

Goal 6b.1: Ensure students achieve high academic standards.

Goal 6b.2: Ensure that the use of technology is employed in a consistent and seamless manner across classrooms and schools utilizing the district power standards to support student achievement.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
B1	Evaluate student progress toward achieving grade level learning targets through administration of benchmark technology. .	Tech Director LMS Teachers	0	Y1 – Y5	N/A
B2	Technology will be wrapped into the curriculum renewal process for all content areas using science as model.	Tech Director Dir. of Curriculum Curriculum Committees	0	Y1 – Y5	N/A
B3	Evaluate the "Technology Champions" program.	Superintendent Dir. of Curriculum Tech Director	0	Y1 – Y5	N/A
B4	Integration of Interactive Whiteboards.	Tech Director	0	Y1 – Y2	District Funds
B5	Over the next 5 years increase student laptops to allow 1 mobile cluster of laptops (4-6) per elementary classroom. Purchases of mobile clusters of laptops should consider student to computer ratio.	Tech Director	Y5: $21.9K	Y1 – Y5	District Funds
B6	Equip classrooms with technology to build "Smart Classrooms" over the next 5 years.	Tech Director Tech Specialist	Y5: $53K	Y1 – Y5	District Funds
B7	Move to equip the middle school students with 1:1 laptop ratio over the next 5 years.	Tech Director Tech Specialist	Y5: $16K	Y1 – Y5	District Funds
B8	Evaluation of newly acquired technology in conjunction with new curriculum adoption and build expectations.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A
B9	Grades 1-5 teachers will continue use math software to reinforce facts and basic computational skills and through use of clusters computers.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A
B10	K-6 teachers will continue use typing software to reinforce keyboarding skills through use of new clusters (4-6) of computers.	Tech Director Teachers Dir. of Curriculum LMS Principals	0	Y1 – Y5	N/A

B11	4-6 grade teachers will continue to post homework assignments on SchoolFusion.	Tech Director Teachers Dir. of Curriculum LMS Principals	Y5 : $5.6K	Y1 – Y5	District Funds
B12	Integrate decisions about the instructional uses of technology into the district curriculum renewal process.	Tech Director Dir. of Curriculum LMS Curric. Committees	0	Y1 – Y5	N/A
B13	Integrate technology to support student learning in all content areas.	Tech Director Dir. of Curriculum LMS Curric. Committees	0	Y1 – Y5	N/A
B14	Continued implementation of grade level technology learning targets that were developed based upon Power Standards.	Tech Director Dir. of Curriculum LMS Teachers Curric. Committees	0	Y1 – Y5	N/A
B15	Review grade level technology learning expectations with the Lyons Township Articulation Committee.	Tech Director Dir. of Curriculum	0	Y1 – Y5	N/A
B16	Ongoing integrated instructional approach based on Power Standards.	Tech Director Dir. of Curriculum LMS Teachers	0	Y1 – Y5	N/A
B17	Implement a summer regression/summer community webpage with recommendations from consultant and committees that supports improved student numeracy and literacy with interactive learning activities, especially during the summer months.	Dir. of Curriculum, Curric. Committees Principals, Tech Director Tech Specialist LMS	0	Y1 – Y5	N/A
B18	Purchase subscriptions to on-line reference resources.	Tech Director LMS	Y5: $10K	Y1 – Y5	District Funds
B19	Investigate need for additional instructional technology support personnel.	Superintendent Tech Director Dir. of Curriculum	0	Y1 – Y5	N/A

6c. Professional Development

Goal 6c.1: Ensure that district technology-related professional development incorporates best practices, accounts for varying ability levels, allows for anytime-anywhere accessibility, and supports District 105's long range goals.

Goal 6c.2: Ensure that district staff attains the necessary professional, technology proficiency to support District 105's long range goals.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
C1	Perform needs assessment at each building and develop professional development plan.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C2	Offer in-house training classes in response to needs assessment.	Tech Director Dir. of Curriculum LMS	Y5: $2K	Y1-Y5	District Funds
C3	Offer professional development related to Instructional Technology and best practices.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C4	Evaluate "Technology Champion" program.	Tech Director Dir. of Curriculum Superintendent	0	Y1-Y5	N/A
C5	Investigate ways to support staff training on all district technology initiatives.	Tech Director Dir. of Curriculum	Y5: $8K	Y1-Y5	District Funds
C6	Investigate ways to deliver video or online training.	Tech Dept. Dir. of Curriculum LMS	Y5: $1K	Y1-Y5	District Funds
C7	Train teachers on existing, as well as new technology, through PLDs, Tech Feast and workshops.	Tech Director Dir. of Curriculum LMS	0	Y1-Y5	N/A
C8	Organize Staff Development opportunities to before or after school.	Tech Director Dir. of Curriculum LMS	Y5: $2K	Y1-Y5	District Funds
C9	Support teacher attendance at technology conferences.	Tech Director Superintendent Principals	Y5: $2.7K	Y1-Y5	District Funds
C10	Offer data analysis training for teachers and administrators.	Tech Director Dir. of Curriculum	0	Y1-Y5	N/A
C11	Provide training to staff in student management system.	Tech Director Tech Specialist	0	Y1 – Y5	N/A
C12	Allot time for SIS (Student Information System) development and database modifications.	Tech Director Tech. Specialist	0	Y1 – Y5	N/A

6d. Technology Deployment and Sustainability

Goal 6d.1: Provide appropriate, reliable (well-maintained), cost-effective, and easily accessible technology to support District 105's long range goals.

Goal 6d.2: Provide a robust, flexible, and stable technology infrastructure ready to meet increasingly demanding future needs.

Activities / Strategies		Person Responsible	Estimated Cost	Timeframe	Funding Source
D1	Maintain professional installation, certification, and patching of all data connections.	Tech Director	Y5: $10K	Y1 – Y5	District Funds
D2	Provision for increased bandwidth to counter increased demand in bandwidth.	Tech Director	Y5: $12K	Y1 – Y5	District Funds
D3	Maintain a 5 year purchasing cycle on all PC's.	Tech Director	Y5: $92.8	Y1 – Y5	District Funds
D4	Maintain a 5 year purchasing cycle on servers, including VOIP telephony server, to ensure continued replacement of out-of-date hardware.	Tech Director	Y5: $70K	Y1 – Y5	District Funds
D5	Continue professional maintenance and support of network resources (printing, Internet, intranet, file, applications, etc.).	Tech Director	Y5: $75K	Y1 – Y5	District Funds
D6	Phase out / replace antiquated technologies and peripherals.	Tech Director Tech Specialist	Y5: $15.9K	Y1 – Y5	District Funds
D7	Provide continued "Help Desk" support to all District personnel and students.	Tech Director Tech Specialist	Y5: $1.2K	Y1 – Y5	District Funds
D8	Evaluate and potentially upgrade industrial tech equipment and modules.	Tech Director Dir. of Curriculum Gurrie Principal Ind. Tech Teacher	0	Y1 – Y5	N/A
D9	Upgrade file servers as disk space capacity and reliability dictate.	Tech Director	Y5: $20K	Y1 – Y5	District Funds
D10	Ongoing implementation of Schools Interoperability Framework (SIF) on relevant systems (PowerSchool, Active Directory, and Follett) to increase productivity and limit data entry errors.	Tech Director	Y5: $2K	Y1 – Y5	District Funds
D11	Purchase staff hardware, miscellaneous replacement parts and services (repairs, replacement parts, etc.).	Tech Director	Y5: $15.5K	Y1 – Y5	District Funds

D12	Upgrade RAM to a minimum of 2 GB on all district computers.	Tech Director	0	Y1	District Funds
D13	Purchase services & support renewals of existing licensed services / systems including but not limited to Windows, Follett, Anti-Virus, Backup Systems, PowerSchool, Inform, SIF Agents Renewals, ICN Internet, network hardware, telephony, and content filtering.	Tech Director	Y5: $110K	Y1 – Y5	District Funds
D14	Replacement of IP telephones due to normal usage.	Tech Department	Y5: $1.5K	Y1 – Y5	District Funds
D15	Addition / replacement of power protection equipment.	Tech Director	Y5: $5K	Y1 – Y5	District Funds
D16	Investigate adding additional network laser printers at all schools to move to a centralized printing solution.	Tech Director	0	Y2	N/A
D17	Hire summer technology help to assist in deployment of new technology resources.	Tech Director	Y5: $5K	Y1 – Y5	District Funds
D18	Investigate need for additional technology support personnel to maintain increased level of technology resources and services.	Superintendent Tech Director	0	Y1	N/A
D19	Investigate implementation of online registration system and electronic lunch funding system within District 105.	Tech. Director Tech. Specialist Community Resource Group	0	Y1-Y5	N/A
D20	Maintain wireless network within all schools to provide anytime/anywhere access to support best practices.	Tech Director	0	Y1 – Y5	District Funds
D21	Purchase consumable supplies (batteries, toner etc.)	Tech Director	Y5: $31K	Y1 – Y5	District Funds
D22	Investigate possibility of moving to a virtual desktop environment.	Tech Director	0	Y1-5	N/A

Year 5 Budget Summary	**Amount**
Community Involvement	2,300.00
Curriculum and Instruction	106,500.00
Professional Development	15,700.00
Deployment and Sustainability	456,900
Total	**$581,400**

Complete Technology Plan 5-YR Budget Summary	**Amount**
Community Involvement	11,500.00
Curriculum and Instruction	618,000.00
Professional Development	78,500.00
Deployment and Sustainability	2,724,300.00
Total	**$3,432,300.00**

Section 9: Budget and Financial Plan

The total budget requirements for each phase of the District Technology Plan are listed in the matrix below. The plan was constructed around the District goals established by our District 105 School Board and administration. Reaching our goals set forth in this plan is completely contingent upon the fiscal support of our District's School Board and administration. This plan has been designed with the understanding that it must be a working document that will be adjusted and adapted to the resources available and the overall success at each stage of its implementation.

The district will continue to make every effort to find alternative means for reaching the goals outlined in this document. Private, Local, State and Federal Grants and other sources of revenue will be aggressively pursued. The District will also continue to apply for E-rate discounts to offset costs associated with this plan.

Historical technology spending data in District 105 over the last 5 years was about $2.925M which was approximately $585K per year. Our Financial Plan establishes a five-year roadmap to maintain District 105's technology direction. The budget over the life of the plan takes into consideration the baseline for annual technology spending ($485K/year) and the new initiatives established within Section 6b of this plan. The total investment over the next five years would be approximately $3.4M.

While the total cost of this five-year plan has been approximated at $3.4M, it must be noted that given the established baseline spending over five years totals $2.425M. The actual incremental investment over the life of the plan is an average of $195K per year. Listed below is a summary of proposed expenditures for each year of the plan and a five year summary. Each year has been broken down by each key plan component area:

Year 1 Budget Summary	**Amount**
Community Involvement	2,300.00
Curriculum and Instruction	169,000.00
Professional Development	15,700.00
Deployment and Sustainability	581,200.00
Total	**$768,200.00**

Year 2 Budget Summary	**Amount**
Community Involvement	2,300.00
Curriculum and Instruction	142,500.00
Professional Development	15,700.00
Deployment and Sustainability	597,300.00
Total	**$757,800.00**

Year 3 Budget Summary	**Amount**
Community Involvement	2,300.00
Curriculum and Instruction	100,000.00
Professional Development	15,700.00
Deployment and Sustainability	591,900.00
Total	**$709,900.00**

Year 4 Budget Summary	**Amount**
Community Involvement	2,300.00
Curriculum and Instruction	100,000.00
Professional Development	15,700.00
Deployment and Sustainability	497,000.00
Total	**$615,000.00**

Year 5 Budget Summary	**Amount**
Community Involvement	2,300.00
Curriculum and Instruction	106,500.00
Professional Development	15,700.00
Deployment and Sustainability	456,900
Total	**$581,400**

Complete Technology Plan 5-YR Budget Summary	**Amount**
Community Involvement	11,500.00
Curriculum and Instruction	618,000.00
Professional Development	78,500.00
Deployment and Sustainability	2,724,300.00
Total	**$3,432,300.00**