La Grange School District 105
1001 S. Spring Avenue
La Grange, IL 60525

LaGrange School District 105
Approved Technology Plan Update
2003-06

3/12/2004

VII – Closing the Gap

The gap analysis for Community Involvement, Engaged Learning, 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, 2003, our school board adopted the "Board of Education Goals for School District 105" (Appendix A). These goals established a two-year roadmap and put into place clear targets for all departments and curricular areas within District 105, including technology. These targets were instrumental in the design and development of this technology plan.

The goals established by our school board which directly impacted the development and implementation of this technology plan were as follows;

- Develop a comprehensive system of assessment to provide profiles of individual student progress and to monitor and strengthen curriculum.

- Use the student database to identify individual student needs and to evaluate the school improvement plans

- Make the student database available to teachers and use it to support individual student achievement and to provide parents with an enhanced view of their child's achievement

- Expand the content of the District's Website as a communication tool for information about curriculum and instruction.

- Communicate the results of current district-wide curriculum renewal processes on the district website. The website shall provide specific grade level learning goals, student assessment information, parent resources, and regularly updated news about these curricular areas

- Update building websites to provide timely information about learning activities, school improvement efforts, student performance data, and school news

- Provide the community with information about the District's website in the Blackboard

- Develop classroom websites to provide timely information about classroom procedures, learning expectations, and instructional activities

The strategies and activities outlined in this 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.

The documents used, and the information gathered, include:

Community Involvement
- Board of Education Goals for School District 105 (Appendix A)
- School District 105 Community Survey, Winter 2003 (Appendix B)
- Technology Leadership Committee Meetings (Appendix C)

Engaged Learning
- Board of Education Goals for School District 105 (Appendix A)
- Next Steps Student Survey (Appendix E)
- Next Steps Teacher and Technology Learning Survey (Appendix G)
- Next Steps Libraries an Information Centers Survey (Appendix H)
- Technology Leadership Committee Meetings (Appendix C)
- District 105 Grade Level Technology Targets (Appendix T)
- Lyons Township High School Core Technology Standards (Appendix N)
- Student Longitudinal Data Analysis System (Appendix L)

Professional Development
- Board of Education Goals for School District 105 (Appendix A)
- Next Steps Principal Survey (Appendix D)
- Next Steps Teacher Survey (Appendix F)
- Next Steps Teacher and Technology Learning Survey (Appendix G)
- Technology Leadership Committee Meetings (Appendix C)

Technology Deployments and Sustainability
- Board of Education Goals for School District 105 (Appendix A)
- Next Steps IT Readiness Survey (Appendix I)
- Next Steps Libraries an Information Centers Survey (Appendix H)
- Next Steps Teacher and Technology Learning Survey (Appendix G)
- Next Steps Technology Support Survey (Appendix J)
- Instructional Technology Inventory Analysis (Appendix K)
- Aging Inventory Analysis (Appendix L)
- Instructional Software Analysis (Appendix M)
- Technology Leadership Committee Meetings (Appendix C)
- ISTE Technology Support Index Assessment (Appendix V)

Current Reality / Gap Analysis

Community Involvement

Current Reality
Although the district web site has been updated, community survey results (Appendix B) show that only a small percentage of parents have visited the site.
The district curriculum website has been updated to reflect progress in the curriculum renewal process.
The site contains information about instructional materials and programs, grade level learning goals, sample assessments, student achievement results and related websites.
Individual school sites are not regularly updated to provide current building and classroom news
Each school building has its own website. These websites vary greatly in terms of content and design.
About half of the district teachers have a classroom website. There is not any overall consistency in the format and content of these sites. The sites rarely include time sensitive news/updates and many have not been updated since the 02-03 school year.
Individual building sites have been either initiated at the building or individual level as the district has not supported the development of classroom websites by providing guidelines, time, training, or software.

Gap Analysis	Strategies (see section 8a)
The District needs to design a consistent layout for the district and individual school web-sites. The new layout should provide dynamic information and resources to all stakeholders regarding curriculum, expectations and learning goals, and classroom specific information.	A1, A2, A3, A4, A6
The District needs to promote the district web-site via a variety of media outlets to increase awareness and visibility of the site to all stakeholders.	A5

Engaged Learning

Current Reality
The district has developed the Student Longitudinal Data Analysis System (SLDAS, Appendix L). This database houses student household, emergency and longitudinal large scale testing information. The database will accommodate the addition of curriculum-based assessments as they are added.
The SLDAS (Appendix L) has been used to track student growth and disaggregate student performance by demographic factors such as income, race, school, and program.
The SLDAS (Appendix L) has been used as a basis for the district curriculum renewal process.
Teachers have online access to this data for their current students (as 10/14/03) and they will share longitudinal data during parent conferences in January.
Principals have begun to use the SLDAS (Appendix L) to support school improvement planning.
Technology is being used at a variety of levels to support student learning in the various content areas. For example, the use of calculators is integrated into the district mathematics program. K-6 students take Accelerated Reader tests on computers. The new middle school literature series includes the integration of software to support assessment and skill development.
Curriculum renewal committees are in place and able to provide a stronger framework for the integration of technology into each of the content areas.
The District has developed a list of technology targets (Appendix T) for each grade level. These targets were developed based on the LTAC Core Standards for Entering Freshmen (Appendix N) and NCREL's Six Essential Learning's (Appendix Q) and have begun to drive instruction in technology.
Student mastery of technology targets (Appendix T) is being assessed informally through teacher observation and integration of targets into technology based classroom activities.
The District is piloting new delivery models for technology integration at two elementary buildings and the middle school. The new models allow for flexible computer lab scheduling, greater opportunities for integrated instruction uses of technology, and routine collaboration / training time during the school day for teachers, learning center directors, and technology staff.
Most students use a variety of electronic resources (Follett's OPAC, E-Library, World Book On-Line, Internet search engines, etc.) to seek, retrieve, and evaluate content related information.
Most students use a variety of productivity and communication tools (Microsoft Office, Kidspiration, Inspiration, Kid Pix, etc.) to construct content related projects and presentations.
District 105's middle-school has established an Industrial Tech lab where students work in teams, develop and manage projects, analyze and solve problems, and use professional software and tools in; Aeronautics, Computer Assisted Design, Robotics, Desktop Publishing, Engineering, Research and Development, Lasers and Fiber Optics, Architecture, Animation, and Computerized Numerical Control.

Gap Analysis	Strategies (see section 8b)
The District needs to continue the development of a student database that combines large scale testing results and district assessment data to provide profiles of individual and collective student performance.	B1, B2
The District needs to support the increased use of the database as a planning tool for teachers, principals, and curriculum committees and a communication tool about student performance to all district stakeholders.	B2, B3
The District needs to incorporate considerations of technology resources into the curriculum renewal process for each content area so the classroom use of technology to support the achievement of content learning targets (i.e. math, reading, science) will be increased.	B5
The District needs to develop a system to assess student progress toward achievement of technology grade level learning targets	B9

| 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. | **B6, B7, B8** |

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. After school training sessions have been offered, with in-house as well as university instructors, focusing on the core software applications. Participation has varied due to interest and comfort level.
The District is currently developing a procedure for training support staff and administrators on data collection and database maintenance (Associated with Board Goal 3, Appendix A). The majority of available data is accessible to authorized personnel. System level field definition list has been developed and communicated to data entry staff. The district registration form has been updated to facilitate data collection and verification.
Training for administrators is provided as needed. Administrators have access to SLDAS (Appendix L) for analysis. Inquiries regarding more advanced features of analysis software are increasing in frequency.
There are limited online training opportunities available for Library/Media personnel.
Expectations of staff, with respect to technological expertise, are informally defined. Maintenance of classroom web pages is discretionary.

Gap Analysis	Strategies (see section 8c)
Venues need to be provided to communicate between all staff on the topic of professional development. All staff needs to be informed on issues (e.g. the State Technology Standards, overall district goals) in order to provide the input necessary to impact the professional development program.	C1, C2, C4
A comprehensive professional development approach should be formalized addressing all staff: teachers, administrators, library/media personnel, and support staff. 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	C3, C5, C6, C7, C8, C9, C12, C13, C14
Training should be provided to all data entry staff: building secretaries, administrative assistants, and department support staff. Data entry staff should understand how the 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.	C17
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.	C16
Evaluation of the current data management system needs to be incorporated into the professional development program. Management of student data needs to be more efficiently coordinated between data collection and data analysis personnel helping to define roles and to identify skill sets. Input is needed from those who work with the data systems to determine gaps in system capabilities.	C15, C18, C19, C20

Online learning opportunities need to be provided to a larger number of staff members accommodate schedules and user skill level. Online training needs to be provided onsite as well as remotely.	**C7, C13**

Technology Deployment and Sustainability

Current Reality
Most segments of the District's wide-area network (Appendix X) are well equipped with new hardware. Many Cisco routers and switches have been upgraded over the past 1.5 years as part of the IP telephony installation.
Out of approximately 800 data connections only 30% have been professionally installed, tested and certified. The local-area network (LAN) backbones at three schools have not have been professionally installed, tested and certified.
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 (DS-1) provides Internet services to all schools.
No replacement cycle for technology equipment has been defined in District 105 rated as "Deficient" according to the "Technology Support Index" (TSI, Appendix R) developed by the International Society for Technology in Education (ISTE) and the Gates Foundation.
Analysis of the D105 Technology Hardware Database (Appendix K) indicates there are approximately 270 PC's deployed District 105's schools and offices of which 57% are more than 4 years old and more than 35% are 2 - 3.5 years old.
The student-to-computer ratio is currently at 4:1 and falls within the optimal 2-5:1 ratio.
Analysis of the D105 Software database (Appendix M) indicates less than 8 % of District 105's computers are licensed to run an operating system (OS) currently supported by Microsoft.
Two Microsoft OS versions (Win95 & Win98) are being used and <1% of all systems have been migrated to the most recent OS.
A standardized set of productivity tools and content related software are distributed district-wide (Appendix M) although many titles are not compatible with current (Windows 2000 / XP) operating systems.
There are no wireless technologies being used to enhance teacher / student access to available resources.
A firewall is in place and opening of ports is limited. Software security standards are in place for major systems along with periodical security audits.
Computer-to-Technician ratio is between 75:1 and 150:1 (135:1) and rated as "Satisfactory" according to the TSI.
The technical staff manages deployment of new equipment requiring a reduction in regular service during deployment.
A clear path for resolution of technical issues is in place. Electronic communication (e-mail), 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. Some teachers serve as the contact point in the buildings, but infrequently perform technical support work.
The staff seeks limited help from online knowledgebase's for technical help due to availability of resources and district culture.
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.
The District's Student/Fiscal/HR/Assessment systems are partially in place and at various stages of development. They are in the process of being integrated with other systems and productivity tools.
Remote access to individual network storage areas and District e-mail is available to all District users.
The Technology Department has developed various databases to track and analyze purchasing (Appendix Y), hardware inventory (Appendix K), software inventory (Appendix M), and desktop configuration information.

Gap Analysis	Strategies (see section 8d)
The District needs to properly patch, test, certify, and in some instances upgrade the majority of its data links and local-area network backbones.	**D1, D2, D3, D4**
The District should continue to provide its current set of centralized services and make provisions for additional services as circumstances and needs dictate.	**D20, D4**
The District needs to develop a replacement cycle for technology equipment that takes into consideration current student: workstation ratios, changes in student population, technology needs in content areas, and over-all usage	**D5, D6, D8, D12, D13, D15, D18, D20**
The District needs to move toward a single, supported desktop operating system (OS) version with all systems migrated to that OS.	**D17**
The District should investigate the use of wireless technologies and implement in appropriate areas that will enhance access to resources for staff and students.	**D9, D12**
The District should review / revise its software purchase procedure to reflect its function as a component of the curriculum renewal process and take into account changes in software compatibility with newer operating systems.	**D14, D16**
The District should continue to provide, and expand upon, the current level of technical support services available to staff and students.	**D7, D10, D11, D19, D21, D22**
The District should continue expansion/integration of Student, Fiscal, HR, and Assessment systems.	**D23**

VIII - Goals and Strategies Based on Gap Analysis

Time line: Phase 1 (2003-04 school year)
                    Phase 1 (2004-05 school year)
                    Phase 1 (2005-06 school year)

8a. Community Involvement

Goal 8a. Support student learning through increased use of the District 105 web site as a means to provide current information about curriculum and instruction to all stakeholder groups (School Board Goal 6)					
Activities / Strategies		**Person Responsible**	**Estimated Cost**	**Timeframe**	**Funding Source**
A1	Reflect district curriculum renewal progress on the district curriculum website via monthly updates (Board Goal 6 Indicator, Appendix A).	Asst. Supt., Tech Specialist	$0	Phases 1-3	District Resources
A2	Redesign each school's website for consistency in content and layout (Board Goal 6 Indicator, Appendix A)	Tech Specialist, Building Webmasters, Principals	Phase 1: $12K Phase 2: $12K Phase 3: $12K	Phases 1-3	District Resources
A3	Investigate services to support the development of classroom websites (Board Goal 6 Indicator, Appendix A).	Tech Director, Tech Specialist			
A4	Develop websites for each classroom that minimally provide information regarding expectations and learning goals (Board Goal 6 Indicator, Appendix A).	Tech Specialist, Tech Director, Principals, Building Webmasters, Teachers	Phase 2: $7K Phase 3: $7K	Phases 2-3	District Resources
A5	Use the District's quarterly newsletter (The Blackboard) to promote the added parent / community member resources and spotlight student use of technology throughout the District (Board Goal 6 Indicator, Appendix A).	Superintendent, Asst. Supt., Principals, LLC Directors	$0	Phases 1-3	District Resources
A6	Develop a plan for regularly updating building websites (Board Goal 6 Indicator, Appendix A).	Tech Specialist, Building Webmasters, Principals	$0	Phase 1	District Resources
A7	Implement a mailing list management server (LISTSERV) in District 105 to provide all stakeholders: information regarding curriculum and instruction; notification of updates/changes to the District	Tech Director, Tech Specialist	$3000	Phase 2	District Resources

	website; examples of how students use of technology throughout the District.				
A8	Promote annual student technology-based units/activities by issuing press releases through all local newspapers, public access cable television, and relevant media outlets.	Superintendent, Asst. Supt., Principals, LLC Directors, Tech Director, Tech Specialist	$0	Phase 1,2,3	

Success Indicators	
	Stakeholders able to access real-time information regarding curriculum and instruction.
	Dynamic, informative, engaging and up-to-date District and building websites.
	Increased traffic on building and District curriculum websites.

8b. Engaged Learning

Goal 8b *Engage students to achieve District and Illinois Learning Standards in a technology rich educational setting*					
Activities / Strategies		**Person Responsible**	**Estimated Cost**	**Timeframe**	**Funding Source**
B1	Use technology to support the development of a comprehensive system of assessment that provides profiles individual and collective student performance (School Board Goal 3, Appendix A).	Asst. Supt., Tech Specialist	$0	Phases 1-3	District Resources
B2	Add curriculum-based assessment data to large scale testing data (School Board Goal 3, Appendix A).	Asst. Supt., Tech Specialist	Phase 1: $1K Phase 2: $1K Phase 3: $2K	Phases 1-3	District Resources
B3	Add database to school improvement planning process (School Board Goal 3, Appendix A).	Asst. Supt , Principals, Tech Specialist	$0	Phases 1-3	District Resources
B4	Use database to increase teacher and parent understanding of student learning strengths and needs (School Board Goal 3, Appendix A).	Asst. Supt., Principals, Teachers	$0	Phases 1-3	
B5	Integrate decisions about the instructional uses of technology into the district curriculum renewal process.	Asst. Supt., Curriculum Committees, Tech Director & Specialist, LLC Directors	$0	Phases 1-3	
B6	Integrate technology to support student learning in all content areas.	Asst. Supt., Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies D12 and C6-9)	Phases 1-3	
B7	Implement grade level technology learning targets that were developed based upon NCREL's Six Essential Learnings (Appendix Q).	Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies C6-9)	Phases 1-3	

B8	Move from "pull out" model of technology instruction to an integrated instructional approach	Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies C6-9)	Phases 1-3	
B9	Develop a system of assessing student progress toward the grade level learning targets that were developed based upon NCREL's Six Essential Learnings (Appendix Q).	Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies C6-9)	Phases 2-3	
B10	Plan for a website that would support improved student numeracy and literacy with interactive learning activities, especially during the summer months (Associated with Board Goals 1 and 6, Appendix A)	Asst. Supt., Curriculum Committees, Principals, Tech Director & Specialist	Phase 3: 20,000	Phases 2-3	

Success Indicators	
	High level of student achievement in all content areas due to active engagement of students in learning activities
	Frequent use of curriculum-based and large-scale assessment data to drive classroom instruction and district programming.
	High level of use of technology in the classroom to support student learning

8c. Professional Development

Goal 8c *District technology professional development will model Engaged Learning principles, support curriculum renewal efforts, and reflect the overall educational vision of the district.*					
Activities / Strategies		**Person Responsible**	**Estimated Cost**	**Timeframe**	**Funding Source**
C1	Convene Technology Leadership Committee (TLC) to gather input on Web Publishing, Curriculum Technology Integration, and Technology Planning	Tech. Director, Tech. Specialist, Asst. Supt.	$0	Phase 1-3	District Funds
C2	Perform needs assessment at each building and develop plan based on needs	Tech. Director, Tech. Specialist, TLC	$0	Phase 1-2	District Funds
C3	Explore business partnerships for Staff Development	TLC, Tech Director	$0	Phase 1-3	District Funds
C4	Perform survey of overall skill levels of teachers, administrators and Library/Media personnel	Tech. Director, Tech. Specialist, TLC	$0	Phase 1-2	District Funds
C5	Incorporate engaged learning principles into all Staff Development initiatives. Utilize various sources online, West40, local staff, and outside experts	Asst. Supt., Principals, Staff Development Committee, Tech. Director, Tech. Specialist	$0	Phase 1-3	District Funds
C6	Offer West 40 courses on-site related to Engaged Learning and Technology Integration	Tech. Director, Tech. Specialist	Phase 1: $500 Phase 2: $500 Phase 3: $500	Phase 1-3	District Funds
C7	Subscribe to online Service Tech4Learning.com to support LLC/Media personnel instruction	Tech Director, LLC Directors/Media personnel	Phase 1: $400 Phase 2: $400 Phase 3: $400	Phase 1-3	District Funds
C8	Continue offering in-house courses on core applications: Microsoft Office, Email, Network.	Tech. Director, Tech. Specialist	Phase 1: $2K Phase 2: $2K Phase 3: $2K	Phase 1-3	District Funds
C9	Offer in-house training classes in response to needs assessment.	Tech. Director, Tech. Specialist	Phase 1: $1K Phase 2: $1K Phase 3: $1K	Phase 1-3	District Funds
C10	Train building level trainers for classroom web page system (Board Goal 6 Indicator)	Tech. Specialist, Building Webmasters	Phase 2: $500 Phase 3: $500	Phase 2-3	District Funds
C11	Train teachers on classroom web page system (Board Goal 6 Indicator, Appendix A).	Building Webmasters, Tech Specialist	$0	Phase 2-3	District Funds

C12	Organize Staff Development opportunities to occur during school day.	TLC, Principals, Tech Director & Specialist, Asst. Supt	Phase 2: $2K Phase 3: $2K (sub coverage)	Phase 2-3	District Funds
C13	Assemble printed Technology Manual detailing specific Technology procedures for all teachers (Appendix Z).	Tech. Director, Tech. Specialist, TLC	Phase 1: $3.5K Phase 2: $3.5K Phase 3: $3.5K	Phase 1-3	District Funds
C14	Support visits of other school districts and attendance at technology conferences.	TLC, Principals, Asst. Supt.	Phase 1: $2K Phase 2: $2K Phase 3: $2K	Phase 1-3	District Funds
C15	Assess needs for student data management system and investigate alternative student data management systems (Associated with Board Goal 3, Appendix A).	Tech Specialist, Tech Director, Asst. Supt.	$0	Phase 1-2	District Funds
C16	Offer data analysis course for teachers and administrators (Associated with Board Goal 3, Appendix A).	Tech Specialist, Asst. Supt.	Phase 1: $500 Phase 2: $500 Phase 3: $500	Phase 1-3	District Funds
C17	Train support staff in data entry (Associated with Board Goal 3, Appendix A).	Asst. Supt., Tech. Specialist	Phase 1: $1K Phase 2: $1K Phase 3: $1K	Phase 1-3	District Funds
C18	Train Technology Department in existing student data management system (Associated with Board Goal 3, Appendix A).	Tech Specialist, Tech Director	Phase 1: $1K Phase 2: $1K Phase 3: $1K	Phase 1-2	District Funds
C19	Allot time for data entry procedure development and database modifications (Associated with Board Goal 3, Appendix A).	Tech. Specialist	$0	Phase 1	District Funds
C20	Allot development time to add features to Filemaker based on expanded use of Student Database (Associated with Board Goal 3, Appendix A).	Tech. Specialist	$0	Phase 1-3	District Funds

Success Indicators	
	High level of student-centered lesson plans which incorporate technology
	Technology skills integrated into all professional development initiatives
	Increased use of student profile and performance data to target student instructional needs

8d. Technology Deployment and Sustainability

Goal 8d. *Provide appropriate network infrastructure, hardware, software, support and policies to enhance student learning and professional development, and community involvement.*				
Activities / Strategies		**Person Responsible**	**Estimated Cost**	**Timeframe**	**Funding Source**

	Activities / Strategies	**Person Responsible**	**Estimated Cost**	**Timeframe**	**Funding Source**
D1	Test data connections across the Districts' Wide Area Network (WAN).	Tech Director	Phase 1: $300 Phase 3: $500	Phase 1-3	District Resources
D2	Provide for professional certification and patching of all existing non-certified and failed data connections.	Tech Director	Phase 1: $10K Phase 2: $10K Phase 3: $10K	Phases 1-3	District Resources
D3	Maximize current / install additional fiber optic and/or Category 6 data links between main distribution facilities and intermediate distribution facilities to maximize bandwidth over the each local area network's backbone.	Tech Director	Phase 2: $8K Phase 3: $8K	Phase 2- 3	District Resources
D4	Investigate additional data links between each of the three elementary buildings and the district's technology hub, and include provisions for (1) additional Internet connection to counter increased demand in bandwidth (should it exist).	Tech Director	Phase 3: $8K	Phase 3	District Resources
D5	Develop a purchasing cycle to ensure continued replacement of out-of-date technologies while maintaining current student: workstation ratios (4:1) at the minimum.	TLC, Tech Director	$0	Phase 1	District Resources
D6	Adjust computer lab capacity to reflect growth in school population and increased classroom sizes.	Tech Director, LLC Directors, Principals, Asst. Supt.	See strategy D15	Phases 1-3	District Resources
D7	Continue professional maintenance and support of network resources (printing, Internet, intranet, file, applications, etc.).	Technology Director	Phase 1: $5K Phase 2: $7.5K Phase 3: $10K	Phases 1-3	District Resources
D8	Phase out / replace antiquated technologies and peripherals.	Technology Director	Phase 1: $10K Phase 2: $10K Phase 3: $10K	Phases 1-3	District Resources

D9	Investigate wireless access to provide anytime/anywhere access that supports an engaged learning environment.	Tech Director	Phase 2: $5K Phase 3: $5K	Phase 2-3	District Resources
D10	Provide continued training to District technology staff	Tech Director	Phase 1: $5K Phase 2: $5K Phase 3: $5K	Phases 1-3	District Resources
D11	Provide continued "Help Desk" support to all District personnel and students.	Tech Director	$0	Phases 1-3	District Resources
D12	Address technology needs in content areas as determined through the curriculum renewal process (See strategies B5 and B6).	Asst. Supt., Curriculum Committees, Tech Director & Tech Specialist	Phase 2: $5K Phase 3: $5K	Phase 2-3	District Resources
D13	Purchase / upgrade industrial tech equipment and modules	Tech Teachers, Tech Director	Phase 2: $3K Phase 3: $5K	Phase 2-3	District Resources
D14	Review / revise District Software Purchase Policy.	Tech Director, Asst. Supt.	$0	Phase 1	District Resources
D15	Replace existing out-of-date PC's with new leased computers over the next 3 years.	Tech Director, TLC	Phase 1: $30K Phase 2: $50K Phase 3: $70K	Phases 1-3	District Resources
D16	Replace / upgrade software titles that address curricular goals and are compatible with current desktop / network operating systems (See strategies B5 and B6)	Tech Director, Curriculum Committees, Asst. Supt	Phase 1: $5K Phase 2: $15K Phase 3: $20K	Phases 1-3	District Resources
D17	Migrate all District computers to one common OS version.	Tech Director	Phase 1: $8K Phase 2: $6K	Phase 1	District Resources
D18	Upgrade / replace file servers as disk space capacity and reliability dictate.	Tech Director	Phase 1: $15K Phase 2: $15K Phase 3: $15K	Phases 1-3	District Resources
D19	Replace miscellaneous hardware replacement parts and services (repairs, replacement parts, etc.)	Tech Director	Phase 1: $5K Phase 2: $7K Phase 3: $7K	Phases 1-3	District Resources
D20	Base operating costs for service & support renewal of existing licensed services / systems including but not limited to Novell, Follett, Anti-Virus, Backup Systems, ICN Internet, Cisco, SBC Datacom, and Content Filtering.	Tech Director	Phase 1: $25K Phase 2: $27K Phase 3: $30K	Phases 1-3	District Resources

D21	Provide funding for replacement of power protection equipment.	Tech Director	Phase 1: $1K Phase 2: $3K Phase 3: $3K	Phases 1-3	District Resources
D22	Provide funding for technical support testing equipment	Tech Director	Phase 1: $1K Phase 2: $1K Phase 3: $1K	Phases 1-3	District Resources
D23	Provide funding for expanded use of student database (Associated with Board Goal 3)	Tech Specialist, Tech Director	Phase 1: $2.5K Phase 2: $2.5K Phase 3: $2.5K	Phases 1-3	District Resources

Success Indicators	
	Ongoing replacement of outdated equipment.
	District-wide system for funding, purchasing, equipment/software evaluation.
	Robust, stable infrastructure ready to meet increasingly demanding future needs
	Variety of technology tools available to students, based on best practice research.

IX – Assessment and Evaluation

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

- Articulated and meaningful goals representing what will be changed or different;
- Identified indicators telling what to look for when goals are achieved;
- Methods to gather the evidence are articulated;
- 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

This plan identifies the following major goals, success indicators, evidence instruments and evaluations.

Articulation of meaningful goals and strategies

- **Community Involvement** - To increase communications with all stakeholder groups and encourage partnerships in order to maximize the use of available resources to improve student learning

- **Engaged Learning** - To engage our students in the learning process by using authentic, challenging and multidisciplinary tasks supported by a technologically rich educational setting.

- **Professional Development** - District technology staff development will model Engaged Learning principles and integrate "best practice" models into other District professional development initiatives.

- **Technology Deployment** - Provide appropriate hardware, software, support and policies to enhance student learning, professional development and community involvement.

Success Indicators

Community Involvement

- Parents able to access real time information regarding student(s) progress.
- Stakeholders able to access real-time information regarding curriculum and instruction.

- Dynamic, informative, engaging and up-to-date District and building websites.
- Increased traffic on building and District curriculum websites.

Engaged Learning

- High level of achievement due to active engagement and ownership of students in learning activities.
- Frequent use of curriculum-based and large-scale assessment data to drive classroom instruction and district programming.
- High level of use of technology in the classroom to support student learning

Professional Development

- High level of student-centered lesson plans which incorporate technology
- Technology skills integrated into all professional development initiatives
- Increased use of student profile and performance data to target student instructional needs
- Significant transference of engaged learning and technology implementation principles integrated into lesson plans as evidenced by survey responses.

Technology Deployment and Sustainability

- Ongoing replacement of outdated equipment.
- District-wide system for funding, purchasing, equipment/software evaluation.
- Robust, stable infrastructure ready to meet increasingly demanding future needs.
- Variety of technology tools available to students, based on best practice research.

In October, 2003, District 105 implemented the Student Longitudinal Data Analysis System (SLDAS, Appendix L). This database currently provides a wide range of opportunities to assess programs, strategies and trend data. Standardized tests, benchmarks and local assessments will be used to measure student progress towards achieving standards. Accurate measures, timely results aligned with standards will provide the District with the data it needs to make solid educational decisions for each student.

In addition, the District Technology Department will use the current survey data (Appendices B, D-J) used to develop the goals and strategies in this plan as a baseline for future evaluation of this Technology Plan. As a result of this plan, more teachers will have access to technology and students will be more prepared as a result of student-centered projects using technology.

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.

Evaluations will include surveys such as "Next Steps Administrator , "Technology Planning Survey for Students and the "Teacher Technology and Learning Survey" The "Aging Inventory Analysis" will also show adequate progress as seen in all workstations meeting District standards as a result of this Technology Plan.

XII - Timeline and Budget: Phase 1 (2003-04 school year)

Community Involvement

Support student learning through increased use of the District 105 web site as a means to provide current information about curriculum and instruction to all stakeholder groups.

	Activities / Strategies	Person Responsible	Estimated Cost	Funding Source
A1	Reflect district curriculum renewal progress on the district curriculum website via monthly updates (Board Goal 6 Indicator, Appendix A).	Asst. Supt., Tech Specialist	$0	
A2	Redesign each school's website for consistency in content and layout (Board Goal 6 Indicator, Appendix A).	Tech Specialist, Building Webmasters, Principals	$12,000.00	District Resources
A3	Investigate services to support the development of classroom websites layout (Board Goal 6 Indicator, Appendix A).	Tech Director, Tech Specialist	$0	
A5	Use the District's quarterly newsletter (The Blackboard) to promote the added parent / community member resources and spotlight student use of technology throughout the District layout (Board Goal 6 Indicator, Appendix A).	Superintendent, Asst. Supt., Principals, LLC Directors	$0	
A6	Develop a plan for regularly updating building websites layout (Board Goal 6 Indicator, Appendix A)	Tech Specialist, Building Webmasters, Principals	$0	
A8	Promote annual student technology-based units/activities by issuing press releases through all local newspapers, public access cable television, and relevant media outlets.	Superintendent, Asst. Supt., Principals, LLC Directors, Tech Director, Tech Specialist	$0	
		Total	**$12,000.00**	

Success Indicators	
	Stakeholders able to access real-time information regarding curriculum and instruction
	Dynamic, informative, engaging and up-to-date District and building websites.
	Increased traffic on building and District curriculum websites.

Engaged Learning

Engage students to achieve District and Illinois Learning Standards in a technology rich educational setting.

Activities / Strategies		Person Responsible	Estimated Cost	Funding Source
B1	Use technology to support the development of the Student Longitudinal Data Analysis System (SLDAS, Appendix L), a comprehensive system of assessment that provides profiles individual and collective student performance (School Board Goal 3, Appendix A).	Asst. Supt., Tech Specialist	$0	
B2	Add curriculum-based assessment data to large scale testing data (School Board Goal 3, Appendix A).	Asst. Supt., Tech Specialist	$1,000	District Resources
B3	Integrate the SLDAS (Appendix L) into the school improvement planning process (School Board Goal 3, Appendix A).	Asst. Supt., Principals, Tech Specialist	$0	
B4	Use SLDAS (Appendix L) to increase teacher and parent understanding of student learning strengths and needs (School Board Goal 3, Appendix A).	Asst. Supt., Principals, Teachers	$0	
B5	Integrate decisions about the instructional uses of technology into the district curriculum renewal process	Asst. Supt., Curriculum Committees, Tech Director & Specialist, LLC Directors	$0	
B6	Integrate technology to support student learning in all content areas.	Asst. Supt., Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies D12 and C6-9)	
B7	Implement grade level technology learning targets (Appendix T) that were developed based upon NCREL's Six Essential Learnings (Appendix Q).	Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies C6-9)	
B8	Move from "pull out" model of technology instruction to an integrated instructional approach	Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies C6-9)	

		Total	$1,000.00	

Success Indicators
High level of student achievement in all content areas due to active engagement of students in learning activities
Frequent use of curriculum-based and large-scale assessment data to drive classroom instruction and district programming.
High level of use of technology in the classroom to support student learning

Professional Development

District technology professional development will model Engaged Learning principles, support curriculum renewal efforts, and reflect the overall educational vision of the district.

	Activities / Strategies	Person Responsible	Estimated Cost	Funding Source
C1	Convene Technology Leadership Committee (Appendix C) to gather input on Web Publishing, Curriculum Technology Integration, and Technology Planning	Tech. Director, Tech Specialist, Asst. Supt.	$0	
C2	Perform needs assessment at each building and develop plan based on needs	Tech. Director, Tech. Specialist, TLC	$0	
C3	Explore business partnerships for Staff Development	TLC, Tech Director	$0	
C4	Perform survey of overall skill levels of teachers, administrators and Library/Media personnel	Tech. Director, Tech. Specialist, TLC	$0	
C5	Incorporate engaged learning principles into all Staff Development initiatives. Utilize various sources online, West40, local staff, and outside experts	Asst. Supt., Principals, Staff Development Committee, Tech. Director, Tech. Specialist	$0	
C6	Offer West 40 courses on-site related to Engaged Learning and Technology Integration	Tech. Director, Tech. Specialist	$500.00	District Funds
C7	Subscribe to online Service Tech4Learning.com to support LLC/Media personnel instruction	Tech Director, LLC Directors/Media personnel	$400.00	District Funds
C8	Continue offering in-house courses on core applications: Microsoft Office, Email, Network.	Tech. Director, Tech. Specialist	$2,000.00	District Funds
C9	Offer in-house training classes in response to needs assessment.	Tech. Director, Tech. Specialist	$1,000.00	District Funds
C13	Assemble printed Technology Manual (Appendix Z) detailing specific Technology procedures for all teachers.	Tech. Director, Tech. Specialist, TLC	$3,500.00	District Funds
C14	Support visits of other school districts and attendance at technology conferences	TLC, Principals, Asst. Supt.	$2,000.00	District Funds
C15	Assess needs for student data management system and investigate alternative student data management systems (Associated with Board Goal 3, Appendix A).	Tech Specialist, Tech Director, Asst. Supt.	$0	

C16	Offer data analysis course for teachers and administrators (Associated with Board Goal 3, Appendix A).	Tech Specialist, Asst. Supt.	$500 00	District Funds
C17	Train support staff in data entry (Associated with Board Goal 3, Appendix A).	Asst. Supt., Tech. Specialist	$1,000.00	District Funds
C18	Train Technology Department in existing student data management system (Associated with Board Goal 3, Appendix A).	Tech Specialist, Tech Director	$1,000 00	District Funds
C19	Allot time for data entry procedure development and database modifications (Associated with Board Goal 3, Appendix A).	Tech. Specialist	$0	
C20	Allot development time to add features to FileMaker Pro based on expanded use of SLDAS (Associated with Board Goal 3, Appendix A).	Tech. Specialist	$0	
		Total	**$11,900.00**	

Success Indicators	
	High level of student-centered lesson plans which incorporate technology
	Technology skills integrated into all professional development initiatives
	Increased use of student profile and performance data to target student instructional needs

Technology Deployment and Sustainability

Provide appropriate network infrastructure, hardware, software, support and policies to enhance student learning and professional development, and community involvement

Activities / Strategies		Person Responsible	Estimated Cost	Funding Source
D1	Test data connections across the Districts' Wide Area Network (WAN).	Tech Director	$300.00	District Resources
D2	Provide for professional certification and patching of all existing non-certified and failed data connections.	Tech Director	$10,000.00	District Resources
D5	Develop a purchasing cycle to ensure continued replacement of out-of-date technologies while maintaining current student: workstation ratios (4:1) at the minimum.	TLC, Tech Director	$0	District Resources
D6	Adjust computer lab capacity to reflect growth in school population and increased classroom sizes.	Tech Director, LLC Directors, Principals, Asst. Supt.	See strategy D15	District Resources
D7	Continue professional maintenance and support of network resources (printing, Internet, intranet, file, applications, etc.).	Technology Director	$5,000.00	District Resources
D8	Phase out / replace antiquated technologies and peripherals.	Technology Director	$10,000.00	District Resources
D10	Provide continued training to District technology staff.	Tech Director	$5,000	District Resources
D11	Provide continued "Help Desk" support to all District personnel and students.	Tech Director	$0	District Resources
D14	Review / revise District Software Purchase Policy.	Tech Director, Asst. Supt.	$0	District Resources
D15	Replace existing out-of-date PC's with new leased computers over the next 3 years.	Tech Director, TLC	$30,000.00	District Resources
D16	Replace / upgrade software titles that address curricular goals and are compatible with current desktop / network operating systems (See strategies B5 and B6)	Tech Director, Curriculum Committees, Asst. Supt.	$5,000.00	District Resources
D17	Migrate all District computers to one common OS version	Tech Director	$8,000.00	District Resources
D18	Upgrade / replace file servers as disk space capacity and reliability dictate.	Tech Director	$15,000.00	District Resources

D19	Replace miscellaneous hardware replacement parts and services (repairs, replacement parts, etc.)	Tech Director	$5,000.00	District Resources
D20	Base operating costs for service & support renewal of existing licensed services / systems including but not limited to Novell, Follett, Anti-Virus, Backup Systems, ICN Internet, Cisco, SBC Datacom, and Content Filtering.	Tech Director	$25,000.00	District Resources
D21	Provide funding for replacement of power protection equipment.	Tech Director	$1,000.00	District Resources
D22	Provide funding for technical support testing equipment.	Tech Director	$1,000.00	District Resources
D23	Provide funding for expanded use of the SLDAS (Associated with Board Goal 3, Appendix A).	Tech Specialist, Tech Director	$2,500.00	District Resources
		Total	**$122,800.00**	

Success Indicators	
	Ongoing replacement of outdated equipment.
	District-wide system for funding, purchasing, equipment/software evaluation.
	Robust, stable infrastructure ready to meet increasingly demanding future needs.
	Variety of technology tools available to students, based on best practice research.

Timeline and Budget: Phase 2 (2004-05 school year)

Community Involvement

Support student learning through increased use of the District 105 web site as a means to provide current information about curriculum and instruction to all stakeholder groups.

	Activities / Strategies	Person Responsible	Estimated Cost	Funding Source
A1	Reflect district curriculum renewal progress on the district curriculum website via monthly updates (Board Goal 6 Indicator, Appendix A).	Asst. Supt., Tech Specialist	$0	District Resources
A2	Redesign each school's website for consistency in content and layout (Board Goal 6 Indicator, Appendix A).	Tech Specialist, Building Webmasters, Principals	$12,000.00	District Resources
A4	Develop websites for each classroom that minimally provide information regarding expectations and learning goals (Board Goal 6 Indicator, Appendix A).	Tech Specialist, Tech Director, Principals, Building Webmasters, Teachers	$7,000.00	District Resources
A5	Use the District's quarterly newsletter (The Blackboard) to promote the added parent / community member resources and spotlight student use of technology throughout the District (Board Goal 6 Indicator, Appendix A).	Superintendent, Asst. Supt., Principals, LLC Directors	$0	District Resources
A7	Implement a mailing list management server (LISTSERV) in District 105 to provide all stakeholders: information regarding curriculum and instruction; notification of updates/changes to the District website; examples of how students use of technology throughout the District.	Tech Director, Tech Specialist	$3000.00	District Resources
A8	Promote annual student technology-based units/activities by issuing press releases through all local newspapers, public access cable television, and relevant media outlets.	Superintendent, Asst. Supt., Principals, LLC Directors, Tech Director, Tech Specialist	$0	
		Total	**$22,000.00**	

Success Indicators	
	Stakeholders able to access real-time information regarding curriculum and instruction.
	Dynamic, informative, engaging and up-to-date District and building websites.
	Increased traffic on building and District curriculum websites.

Engaged Learning

Engage students to achieve District and Illinois Learning Standards in a technology rich educational setting.

Activities / Strategies		Person Responsible	Estimated Cost	Funding Source
B1	Use technology to support the development of the Student Longitudinal Data Analysis System (SLDAS, Appendix L), a comprehensive system of assessment that provides profiles individual and collective student performance (School Board Goal 3, Appendix A).	Asst. Supt., Tech Specialist	$0	District Resources
B2	Add curriculum-based assessment data to large scale testing data (Board Goal 3 Indicator, Appendix A)	Asst. Supt., Tech Specialist	$1,000.00	District Resources
B3	Integrate SLDAS (Appendix L) into the school improvement planning process (Associated with Board Goal 3, Appendix A).	Asst. Supt., Principals, Tech Specialist	$0	District Resources
B4	Use SLDAS (Appendix L) to increase teacher and parent understanding of student learning strengths and needs (Board Goal 3 Indicator, Appendix A).	Asst. Supt., Principals, Teachers	$0	
B5	Integrate decisions about the instructional uses of technology into the district curriculum renewal process	Asst. Supt., Curriculum Committees, Tech Director & Specialist, LLC Directors	$0	
B6	Integrate technology to support student learning in all content areas	Asst. Supt., Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies D12 and C6-9)	
B7	Implement grade level technology learning targets (Appendix I) that were developed based upon NCREL's Six Essential Learnings (Appendix Q).	Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies C6-9)	
B8	Move from "pull out" model of technology instruction to an integrated instructional approach	Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies C6-9)	

B9	Develop a system of assessing student progress toward the grade level learning targets that were developed based upon NCREL's Six Essential Learnings (Appendix Q)	Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies C6-9)	
B10	Plan for a website that would support improved student numeracy and literacy with interactive learning activities, especially during the summer months (Associated with Board Goals 1 and 6, Appendix A)	Asst. Supt., Curriculum Committees, Principals, Tech Director & Specialist		
		Total	**$1,000.00**	

Success Indicators	
	High level of student achievement in all content areas due to active engagement of students in learning activities
	Frequent use of curriculum-based and large-scale assessment data to drive classroom instruction and district programming.
	High level of use of technology in the classroom to support student learning

Activities / Strategies		Person Responsible	Estimated Cost	Funding Source
C1	Convene Technology Leadership Committee (TLC) to gather input on Web Publishing, Curriculum Technology Integration, and Technology Planning	Tech. Director, Tech. Specialist, Asst. Supt.	$0	District Funds
C3	Explore business partnerships for Staff Development	TLC, Tech Director	$0	District Funds
C4	Perform survey of overall skill levels of teachers, administrators and Library/Media personnel	Tech. Director, Tech. Specialist, TLC	$0	District Funds
C5	Incorporate engaged learning principles into all Staff Development initiatives. Utilize various sources online, West40, local staff, and outside experts	Asst. Supt., Principals, Staff Development Committee, Tech. Director, Tech. Specialist	$0	District Funds
C6	Offer West 40 courses on-site related to Engaged Learning and Technology Integration	Tech. Director, Tech. Specialist	$500.00	District Funds
C7	Subscribe to online Service Tech4Learning.com to support LLC/Media personnel instruction	Tech Director, LLC Directors/Media personnel	$400.00	District Funds
C8	Continue offering in-house courses on core applications: Microsoft Office, Email, Network.	Tech. Director, Tech. Specialist	$2,000.00	District Funds
C9	Offer in-house training classes in response to needs assessment.	Tech. Director, Tech. Specialist	$1,000.00	District Funds
C10	Train building level trainers for classroom web page system (Board Goal 6 Indicator)	Tech. Specialist, Building Webmasters	$500.00	District Funds
C11	Train teachers on classroom web page system (Board Goal 6 Indicator).	Building Webmasters, Tech Specialist	$0	District Funds
C12	Organize Staff Development opportunities to occur during school day.	TLC, Principals, Tech Director & Specialist, Asst. Supt	$2,000.00	District Funds
C13	Assemble printed Technology Manual detailing specific Technology procedures for all teachers.	Tech. Director, Tech. Specialist, TLC	$3,500.00	District Funds
C14	Support visits of other school districts and attendance at technology conferences	TLC, Principals, Asst. Supt	$2,000.00	District Funds
C16	Offer data analysis course for teachers and administrators (Associated with Board Goal 3)	Tech Specialist, Asst. Supt.	$500.00	District Funds

C17	Train support staff in data entry (Associated with Board Goal 3).	Asst. Supt., Tech. Specialist	$1,000.00	District Funds
C18	Train Technology Department in existing student data management system. (Associated with Board Goal 3, Appendix A).	Tech Specialist, Tech Director	$1,000.00	District Funds
C20	Allot development time to add features to Filemaker based on expanded use of Student Database (Associated with Board Goal 3, Appendix A).	Tech. Specialist	$0	District Funds
		Total	**$14,400.00**	

Success Indicators	
	High level of student-centered lesson plans which incorporate technology
	Technology skills integrated into all professional development initiatives
	Increased use of student profile and performance data to target student instructional needs

Technology Deployment and Sustainability

Provide appropriate network infrastructure, hardware, software, support and policies to enhance student learning and professional development, and community involvement.

Activities / Strategies		Person Responsible	Estimated Cost	Funding Source
D1	Test data connections across the Districts' Wide Area Network (WAN).	Tech Director		District Resources
D2	Provide for professional certification and patching of all existing non-certified and failed data connections.	Tech Director	$10,000.00	District Resources
D3	Maximize current / install additional fiber optic and/or Category 6 data links between main distribution facilities and intermediate distribution facilities to maximize bandwidth over the each local area network's backbone.	Tech Director	$8,000.00	District Resources
D6	Adjust computer lab capacity to reflect growth in school population and increased classroom sizes.	Tech Director, LLC Directors, Principals, Asst. Supt.	See strategy D15	District Resources
D7	Continue professional maintenance and support of network resources (printing, Internet, intranet, file, applications, etc.).	Technology Director	$7,500.00	District Resources
D8	Phase out / replace antiquated technologies and peripherals.	Technology Director	$10,000.00	District Resources
D9	Investigate wireless access to provide anytime/anywhere access that supports an engaged learning environment.	Tech Director	$5,000.00	District Resources
D10	Provide continued training to District technology staff.	Tech Director	$5,000.00	District Resources
D11	Provide continued "Help Desk" support to all District personnel and students.	Tech Director	$0	District Resources
D12	Address technology needs in content areas as determined through the curriculum renewal process (See strategies B5 and B6).	Asst. Supt., Curriculum Committees, Tech Director & Tech Specialist	$5,000.00	District Resources
D13	Purchase / upgrade industrial tech equipment and modules.	Tech Teachers, Tech Director	$3,000.00	District Resources

D15	Replace existing out-of-date PC's with new leased computers over the next 3 years.	Tech Director, TLC	$50,000.00	District Resources
D16	Replace / upgrade software titles that address curricular goals and are compatible with current desktop / network operating systems (See strategies B5 and B6)	Tech Director, Curriculum Committees, Asst. Supt.	$15,000.00	District Resources
D18	Upgrade / replace file servers as disk space capacity and reliability dictate.	Tech Director	$15,000.00	District Resources
D19	Replace miscellaneous hardware replacement parts and services (repairs, replacement parts, etc.)	Tech Director	$7,000.00	District Resources
D20	Base operating costs for service & support renewal of existing licensed services / systems including but not limited to Novell, Follett, Anti-Virus, Backup Systems, ICN Internet, Cisco, SBC Datacom, and Content Filtering.	Tech Director	$27,000.00	District Resources
D21	Provide funding for replacement of power protection equipment.	Tech Director	$3,000.00	District Resources
D22	Provide funding for technical support testing equipment.	Tech Director	$1,000.00	District Resources
D23	Provide funding for expanded use of student database (Associated with Board Goal 3, Appendix A)	Tech Specialist, Tech Director	$2,500.00	District Resources
		Total	**$174,000.00**	

Success Indicators	
	Ongoing replacement of outdated equipment.
	District-wide system for funding, purchasing, equipment/software evaluation.
	Robust, stable infrastructure ready to meet increasingly demanding future needs.
	Variety of technology tools available to students, based on best practice research.

Timeline and Budget: Phase 3 (2005-06 school year)

Community Involvement

Support student learning through increased use of the District 105 web site as a means to provide current information about curriculum and instruction to all stakeholder groups.

	Activities / Strategies	Person Responsible	Estimated Cost	Funding Source
A1	Reflect district curriculum renewal progress on the district curriculum website via monthly updates (Board Goal 6 Indicator).	Asst. Supt., Tech Specialist	$0	District Resources
A2	Redesign each school's website for consistency in content and layout (Board Goal 6 Indicator).	Tech Specialist, Building Webmasters, Principals	$12,000.00	District Resources
A3	Investigate services to support the development of classroom websites (Board Goal 6 Indicator)	Tech Director, Tech Specialist		
A4	Develop websites for each classroom that minimally provide information regarding expectations and learning goals (Board Goal 6 Indicator).	Tech Specialist, Tech Director, Principals, Building Webmasters, Teachers	$7,000.00	District Resources
A5	Use the District's quarterly newsletter (The Blackboard) to promote the added parent / community member resources and spotlight student use of technology throughout the District (Board Goal 6 Indicator).	Superintendent, Asst. Supt., Principals, LLC Directors	$0	District Resources
A8	Promote annual student technology-based units/activities by issuing press releases through all local newspapers, public access cable television, and relevant media outlets.	Superintendent, Asst. Supt., Principals, LLC Directors, Tech Director, Tech Specialist	$0	
		Total	$19,000.00	

Success Indicators	
	Stakeholders able to access real-time information regarding curriculum and instruction.
	Dynamic, informative, engaging and up-to-date District and building websites.
	Increased traffic on building and District curriculum websites.

Engaged Learning

Engage students to achieve District and Illinois Learning Standards in a technology rich educational setting.

Activities / Strategies		Person Responsible	Estimated Cost	Funding Source
B1	Use technology to support the development of a comprehensive system of assessment that provides profiles individual and collective student performance (School Board Goal 3).	Asst. Supt., Tech Specialist	$0	District Resources
B2	Add curriculum-based assessment data to large scale testing data (Board Goal 3 Indicator)	Asst. Supt., Tech Specialist	$2,000.00	District Resources
B3	Add database to school improvement planning process (Associated with Board Goal 3)	Asst. Supt., Principals, Tech Specialist	$0	District Resources
B4	Use database to increase teacher and parent understanding of student learning strengths and needs (Board Goal 3 Indicator)	Asst. Supt., Principals, Teachers	$0	
B5	Integrate decisions about the instructional uses of technology into the district curriculum renewal process	Asst. Supt., Curriculum Committees, Tech Director & Specialist, LLC Directors	$0	
B6	Integrate technology to support student learning in all content areas	Asst. Supt., Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies D12 and C6-9)	
B7	Implement grade level technology learning targets that were developed based upon NCREL's Six Essential Learnings	Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies C6-9)	
B8	Move from "pull out" model of technology instruction to an integrated instructional approach	Curriculum Committees, Tech Director & Specialist, LLC Directors, Teachers	(See dollars allocated to strategies C6-9)	
B9	Develop a system of assessing student progress toward the grade level learning targets that were developed based	Curriculum Committees, Tech Director & Specialist, LLC	(See dollars allocated to strategies C6-9)	

	upon NCREL's Six Essential Learnings	Directors, Teachers		
B10	Plan for a website that would support improved student numeracy and literacy with interactive learning activities, especially during the summer months (Associated with Board Goals 1 and 6)	Asst. Supt., Curriculum Committees, Principals, Tech Director & Specialist	$20,000.00	
		Total	**$22,000.00**	

Success Indicators	
	High level of student achievement in all content areas due to active engagement of students in learning activities
	Frequent use of curriculum-based and large-scale assessment data to drive classroom instruction and district programming.
	High level of use of technology in the classroom to support student learning

Activities / Strategies		Person Responsible	Estimated Cost	Funding Source
C1	Convene Technology Leadership Committee (TLC) to gather input on Web Publishing, Curriculum Technology Integration, and Technology Planning	Tech. Director, Tech. Specialist, Asst. Supt.	$0	District Funds
C3	Explore business partnerships for Staff Development	TLC, Tech Director	$0	District Funds
C5	Incorporate engaged learning principles into all Staff Development initiatives. Utilize various sources online, West40, local staff, and outside experts	Asst. Supt., Principals, Staff Development Committee, Tech. Director, Tech. Specialist	$0	District Funds
C6	Offer West 40 courses on-site related to Engaged Learning and Technology Integration	Tech. Director, Tech. Specialist	$500.00	District Funds
C7	Subscribe to online Service Tech4Learning.com to support LLC/Media personnel instruction	Tech Director, LLC Directors/Media personnel	$400.00	District Funds
C8	Continue offering in-house courses on core applications: Microsoft Office, Email, Network.	Tech. Director, Tech. Specialist	$2,000.00	District Funds
C9	Offer in-house training classes in response to needs assessment.	Tech. Director, Tech. Specialist	$1,000.00	District Funds
C10	Train building level trainers for classroom web page system (Board Goal 6 Indicator)	Tech. Specialist, Building Webmasters	$500.00	District Funds
C11	Train teachers on classroom web page system (Board Goal 6 Indicator).	Building Webmasters, Tech Specialist	$0	District Funds
C12	Organize Staff Development opportunities to occur during school day	TLC, Principals, Tech Director & Specialist, Asst. Supt	$2,000.00	District Funds
C13	Assemble printed Technology Manual detailing specific Technology procedures for all teachers.	Tech. Director, Tech. Specialist, TLC	$3,500.00	District Funds
C14	Support visits of other school districts and attendance at technology conferences	TLC, Principals, Asst. Supt	$2,000.00	District Funds
C16	Offer data analysis course for teachers and administrators (Associated with Board Goal 3)	Tech Specialist, Asst. Supt.	$500.00	District Funds
C17	Train support staff in data entry (Associated with Board Goal 3).	Asst. Supt., Tech. Specialist	$1,000.00	District Funds

C20	Allot development time to add features to Filemaker based on expanded use of Student Database (Associated with Board Goal 3).	Tech. Specialist	$0	District Funds
		Total	**$13,400.00**	

Success Indicators	
	High level of student-centered lesson plans which incorporate technology
	Technology skills integrated into all professional development initiatives
	Increased use of student profile and performance data to target student instructional needs

Technology Deployment and Sustainability

Provide appropriate network infrastructure, hardware, software, support and policies to enhance student learning and professional development, and community involvement

	Activities / Strategies	Person Responsible	Estimated Cost	Funding Source
D1	Test data connections across the Districts' Wide Area Network (WAN).	Tech Director	$500.00	District Resources
D2	Provide for professional certification and patching of all existing non-certified and failed data connections.	Tech Director	$10,000.00	District Resources
D3	Maximize current / install additional fiber optic and/or Category 6 data links between main distribution facilities and intermediate distribution facilities to maximize bandwidth over the each local area network's backbone.	Tech Director	$8,000.00	District Resources
D4	Investigate additional data links between each of the three elementary buildings and the district's technology hub, and include provisions for (1) additional Internet connection to counter increased demand in bandwidth (should it exist).	Tech Director	$8,000.00	District Resources
D6	Adjust computer lab capacity to reflect growth in school population and increased classroom sizes.	Tech Director, LLC Directors, Principals, Asst. Supt.	See strategy D15	District Resources
D7	Continue professional maintenance and support of network resources (printing, Internet, intranet, file, applications, etc.).	Technology Director	$10,000.00	District Resources
D8	Phase out / replace antiquated technologies and peripherals.	Technology Director	$10,000.00	District Resources
D9	Investigate wireless access to provide anytime/anywhere access that supports an engaged learning environment.	Tech Director	$5,000.00	District Resources
D10	Provide continued training to District technology staff.	Tech Director	$5,000.00	District Resources
D11	Provide continued "Help Desk" support to all District personnel and students.	Tech Director	$0	District Resources
D12	Address technology needs in content areas as determined through the curriculum renewal	Asst. Supt., Curriculum Committees,	$5,000.00	District Resources

	process (See strategies B5 and B6)	Tech Director & Tech Specialist		
D13	Purchase / upgrade industrial tech equipment and modules.	Tech Teachers, Tech Director	$5,000.00	District Resources
D15	Replace existing out-of-date PC's with new leased computers over the next 3 years.	Tech Director, ILC	$70,000.00	District Resources
D16	Replace / upgrade software titles that address curricular goals and are compatible with current desktop / network operating systems (See strategies B5 and B6)	Tech Director, Curriculum Committees, Asst. Supt.	$20,000.00	District Resources
D18	Upgrade / replace file servers as disk space capacity and reliability dictate.	Tech Director	$15,000.00	District Resources
D19	Replace miscellaneous hardware replacement parts and services (repairs, replacement parts, etc.)	Tech Director	$7,000.00	District Resources
D20	Base operating costs for service & support renewal of existing licensed services / systems including but not limited to Novell, Follett, Anti-Virus, Backup Systems, ICN Internet, Cisco, SBC Datacom, and Content Filtering.	Tech Director	$30,000.00	District Resources
D21	Provide funding for replacement of power protection equipment.	Tech Director	$3,000.00	District Resources
D22	Provide funding for technical support testing equipment.	Tech Director	$1,000.00	District Resources
D23	Provide funding for expanded use of student database (Associated with Board Goal 3)	Tech Specialist, Tech Director	$2,500.00	District Resources
		Total	**$215,000.00**	

Success Indicators	
	Ongoing replacement of outdated equipment.
	District-wide system for funding, purchasing, equipment/software evaluation.
	Robust, stable infrastructure ready to meet increasingly demanding future needs.
	Variety of technology tools available to students, based on best practice research.

XIII – Budget / Financial Plan

The total budget requirements for each phase of the District Technology Plan are listed in the matrix below. The plan was designed with the purpose of meeting two specific criteria. First, it was constructed around the District goals established by our District 105 School Board and administration. Second, it was designed to maintain our current level of services and support.

Reaching our goals is completely contingent upon the fiscal support of our District's School Board and administration. District 105, like many schools in Illinois, has encountered financial difficulties and is faced with making difficult yet fiscally responsible decisions. While we have aimed high with our plan, we fully understand that technology is merely one component in providing a quality education to students. This plan had been designed with the understanding that it must also be flexible, so as to adjust and adapt to the resources available.

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

Total Expected Budgetary Requirements for Each Phase of the District 105 Technology Plan

	Phase 1 (2003-04)	Phase 2 (2004-05)	Phase 3 (2005-06)
Community Involvement	$12,000.00	$22,000.00	$19,000.00
Engaged Learning	1,000.00	1,000.00	22,000.00
Professional Development	11,900.00	14,400.00	13,400.00
Technology Deployment and Sustainability	122,800.00	174,000.00	215,000.00
Total	$147,700.00	$211,400.00	$269,400.00