

Lakewood School District 3-year Technology Plan 12/18/2007

District Technology Plan

Lakewood School District 2007 - 2010

Technology Vision Statement:

Lakewood School District Technology Vision Statement:

If technology is to realize its powerful potential for improving education in Lakewood School District, it must be used for more than just automating the traditional methods and practices of teaching.

Rather than the computer being a tool, which allows a common task to be done more efficiently, technology, will fundamentally change how instruction is delivered, how student performance is measured, and how teachers view themselves as professionals.

Professional development is a key component of the district's technology plan. Lakewood has adopted a technology skill competency system that has three levels. Level 1-Basic technology; Level 2-Beginning technology integration; and Level 3-Teaching and learning in the classroom. Level 3 will contain a hardware package adapted to the teachers work station which may include computer, smart board, projector, DVD/VHS player, document camera, and audio enhancement system. To get the package teachers must demonstrate competency in Levels 1 and 2 and agree to participate in the level 3 program. Our technology professional development is based around this leveled program. We are in the initial stages of encouraging all teachers to reach at least Level 1. Staff development for technology is funded with both General Fund and 1728. We have started Level 1 training and hope to get the majority of our staff at this level by the end of this school year. Level 2 will begin in 2007-08.

Action Plan:

Goal:	Teacher technology integration				
SMART Goal:	100% of Lakewood teachers will have reached at least Level 1 by the end of the 2007-2008 school year and 50% of Lakewood teachers will be working on Level 2 competency by the end of the 2007-2008 school year.				
Strategy:	Offer stipend of \$100 to teachers to complete Level 1 of 3-tier tech competencies and a stipend of \$200 to teachers to complete Level 2 of the tech competencies.				
Rationale:	Teachers need the Level 3 competencies to be able to help the students reach the Tier 3 competency for 8th grade. A stipend to reach Level 1 and Level 2 will provide incentive.				
Activities/Task	Professional Development	Timeline	Resources Amount / Type / Description / Funding Source	Who is Responsible?	Monitoring Effectiveness
Develop Leveled Technology Competencies for Lakewood	Consult with B-E tech trainer for PD	1/18/2007 - 6/23/2008		Tech trainer Allen Fred	Level 1 developed Level 2 in process Level 3 in process
Level One training	Tech trainer to offer training to all K-12 teachers	8/2/2007 - 8/20/2008		Tech Trainer	% of teachers at Level 1
Procedures for evaluating success in reaching this goal Tech trainer will keep database of teacher competency levels					

Strategy: Design and implement a three tier technology competency model for teachers and administrators with the goal of teaching all teachers how to integrate technology into the curriculum.

Rationale: Our students must meet the district and state technology competencies. To achieve this goal our teachers must have the skills to integrate technology into the curriculum.

Activities/Task	Professional Development	Timeline	Resources Amount / Type / Description / Funding Source	Who is Responsible?	Monitoring Effectiveness
Use B_E model for tiered program and edit for Lakewood	NA	3/1/2006 - 6/6/2008		Fred Owyen Denny Alfred Jon Nauert Allen sharples	Monitor Delvelopment of Level 1, 2, and 3

Procedures for evaluating success in reaching this goal We will monitor both the technology competency of the students at 8th grade and the teachers. We will use a self assessment survey for the students and a skill based model for the teachers.

Goal: 8th Grade Technology Literacy

SMART Goal: We will increase the % of students at Level 3 by 10% by 2010

Strategy: We will continue to focus on using our resources to help bring our teachers to Level 3 (Tier 3) as outlined in the remainder of this plan

Rationale: Until our teachers have the required skills, we cannot expect them to help our students achieve them.

Activities/Task	Professional Development	Timeline	Resources Amount / Type / Description / Funding Source	Who is Responsible?	Monitoring Effectiveness

Procedures for evaluating success in reaching this goal We will continue to monitor both the teacher and student technology literacy as outlined in this plan.

Goal: Technology support for low performing students

SMART Goal: 100% of K-5 computer labs will have math support software for students by the end of the 2007-2008 school year.

Strategy: Purchase math software to increase practice for low performing students.

Rationale: District WASL scores in math are low.

Activities/Task	Professional Development	Timeline	Resources Amount / Type / Description / Funding Source	Who is Responsible?	Monitoring Effectiveness
Develop proficient use of the math software	Train lab EAs and other staff in the use of the software	8/30/2007 - 10/12/2007	4000.00 / Software / Research-based math software	General / fund 1728 Jon Nauert Denny Alfred Allen Sharples	Increase in math scores of targetd math students.

Procedures for evaluating success in reaching this goal Purchase software over summer 2007

Inventory: Yes The district has completed the current online technology inventory and will continue to do so annually.

CIPA Compliance:

Yes The district has completed the current Form 479 and will continue to do so annually.

District-Level Network and Telecommunications Plan - Part 1

District Technology Standards: The district has adopted the state technology standards. A plan is being developed to update the district technology and software to meet those standards. This will include a list of current district software and versions so that these can be updated on a regular basis. This list is currently being updated and will be appended on completion.

Budget Summary: Currently \$150,000 is budgeted annually from the general fund for all technology related expenditures. The District also utilizes Computers 4 Kids and other grants to obtain donated technology equipment. A multi-year technology levy is being planned to effectively implement the 2007-2010 District Technology Plan.

District-Level Network and Telecommunications Plan - Part 2

E-Rate – Priority One Requests

Voice, Data, Video and Other Priority One Capabilities	Purchase / Budget / Potential Funding Source(s)
Telephone Service: Local and Long distance, 9 existing POTS line Telephone Service, E911 service, 34 existing lines Telephone Service Component; Local and long distance, voicemail, and eligible calling features, 1 existing PRI circuit supporting 231 DID numbers/ extensions. Digital Transmission Services: 2 existing clear channel lines/2 access lines Telephone Service: Cellular Service, 10 existing lines. The district's K-20 network is provided by the K-20 system and for this erate is handled at the state level. Telephone Service: Pager Service, 23 existing lines	Currently monies are budgeted annually from the general fund for all technology related expenditures.
None	N/A

How will these services support your district's learning goals?

Provide an integrated communication system to provide more reliable communication with the staff, the community and within our buildings.

E-Rate – Priority Two Requests

Hardware/Software/Support	Purchase / Budget / Potential Funding Source(s)
The district plans on replacing the web and voice mail servers as well as the K-20 video conferencing equipment. Additional cable drops and necessary switches will be added as needed.	General fund - see attached budget.

How will these technology elements support your district's learning goals?

The district's communication system enables teachers to network and plan lessons via the phone. These additions and replacements will increase both the staff and students access to the available resources on the Internet and the district's network.

Maintenance, Upgrade, and Support Strategies

Description of Maintenance/ Upgrade/Support Strategies	Purchase / Budget / Potential Funding Source(s)	Timeline
<p>The District employs a full time Information Services Manager and a part time Computer Technician. Each school has an assigned technology support person. The District utilizes the NWESD 189 information services co-op for additional network support. The District also contracts with a telecommunications vendor for telephone and voicemail maintenance and support.</p>	<p>Currently \$150,000 is budgeted annually from the general fund for all technology related expenditures. The District also utilizes Computers 4 Kids and other grants to obtain donated technology equipment.</p>	<p>A multi-year technology levy is being planned to effectively implement the 2007-2010 District Technology Plan.</p>

How will these strategies support your district's learning goals?

Provide an integrated communication system to provide more reliable communication with the staff, the community and within our buildings.

Process to Review and Update Your Entire Technology Plan

Progress Evaluation and Update Activities/Objectives	Person/Team Responsible	Timeline
<p>The Information Services Manager will monitor and assess the appropriate hardware needs and update as needed. The District will also use consultants to determine appropriate replacement and upgrades of equipment and existing services.</p>	<p>Information Services Manager and the Technology Department.</p>	<p>Any needs will be identified each spring to be incorporated into the next years budget.</p>
