Project Computer Lab
Grant Pre-Proposal
Dallas Park Elementary
2005– 2008

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November 15, 2005

Executive Summary/Purpose Statement

The Technology Committee at Dallas Park Elementary desires to improve technology integration and increase student computer utilization by establishing a new lab consisting of twenty-five desktop computers with internet access and appropriate software applications because the existing lab does not contain sufficient computer resources to support the schools increased enrollment.

It is our common vision that every student at Dallas Park Elementary be provided excellent technology-related instruction. The Technology Action Committee believes that in order for our students to be successful now and in the future, we must continue to grow professionally and consider technology in every aspect of the curriculum, not as a separate entity. Establishing a new computer lab equipped with challenging software and internet access, students at Dallas Park will improve on the Texas Assessment of Knowledge and skills and move to an Exemplary status.

Potential Grant Funding Source

Submission of this pre-proposal is intended for agencies that fund grants for public schools. Grant sources currently under consideration are Corning Incorporated, established in 1952. Selected elementary and secondary schools, community colleges and four-year institutions of higher learning are the consistent beneficiaries of Foundation support. Also under consideration is Ed-Tech, Enhancing Education Through Technology. Their main goal is to improve student academic achievement through the use of technology in schools. It is also designed to assist students in crossing the digital divide by ensuring that every student is technologically literate.

Justification of the Project

Dallas Park Elementary shares the vision of the Crowley Independent School District, which means preparing the students of today for the technological-driven world of tomorrow. To ensure that the students of Dallas Park are prepared, exposure to effective technology-related instruction must be more accessible for students and teachers. Phenomenal district growth has presented a need for an additional computer lab a Dallas Park. Students need to be exposed to inquiry-based technology, stimulating software, along with internet access to enhance critical thinking through researching and analysis. Providing an additional computer lab with internet access to online databases along with effective software will insure students receive the technological advantage needed to equip them for the future.

Target Population

Located in the southwest area of Tarrant County in Ft. Worth, Dallas Park Elementary serves 976 students in grades kindergarten through six. Faculty and staff are made up of eighty-five administrative, professional, para-professional, and support personnel. Dallas Park has a recognized rating from the state of Texas concerning the TAKS test. It is the belief of faculty and students, that the rating can be improved to exemplary with the additional technological support requested. Additionally, faculty members will receive professional development through the use of the lab to improve technology integration.

Duration of Project

Project Computer Lab will start in the fall of 2005 and take three academic years, with full implementation occurring in the 2007/2008 school year.

Implementation Timeline

Project Computer Lab will be implemented over a three-year period. (2005 – 2008)

Yearly goals for the project are as follows:

Year 1	❖ Purchase PC's ❖ Purchase software ❖ Provide In-lab Professional Development
Year 2	❖ Update and maintain PC's ❖ Update software licenses ❖ Continue Professional Development through Needs Assessment
Year 3	❖ Update and maintain PC's ❖ Update software licenses ❖ Continue Professional Development through Needs Assessment

Equipment

Year 1	❖ Purchase 25 Dell Computers ❖ Purchase Reading 180 Software ❖ Purchase Go Solve Word Problems
Year 2	❖ No new equipment will be purchased during the second year of the project.
Year 3	❖ No new equipment will be purchased during the third year of the project.

Budget

Timeframe	Equipment	Unit Cost	Total
Year 1	25 Dell PC's with at least Intel Pentium 4 Processor 1.0 GB Memory 80 GB Boot Hard Drive 17" Monitor DVD Drive Keyboard	$1165.00	$29,125
	Reading 180 Software	Site License	$2500
	Go Solve Word Problem Math Software	Site License	$2500
	Professional Development	No Cost – Provided by Faculty and Administration	$0
Year 2	Maintenance	No Cost – Provided by District Technology Department	$0
	Software Update/Licenses	$2000.00	$2000
	Professional Development	No Cost – Provided by Faculty and Administration Based on Needs Assessment	$0
Year 3	Maintenance	No Cost – Provided by District Technology Department	$0
	Software Update/Licenses	$2000.00	$2000
	Professional Development	No Cost – Provided by Faculty and Administration Based on Needs Assessment	
Total			$38,125
Dallas Park PTA Matching Funds			$9000
Total Amount Requested			$29,125

Project Administration

The computer lab teacher, along with the Active Technology Committee will be responsible for the administration and implementation of Project Computer Lab. As Project Director, the computer teacher will oversee the budget, professional development, and yearly progress of the grant program. The Active Technology Committee, consisting of the principal and one teacher from each grade level will assist in the implementation of Project Computer Lab.

Personnel Support

Support for this project is necessary from the Active Technology Committee, Computer Lab Teacher, and faculty at Dallas Park Elementary. Additionally, the project requires support from the district technology department.

Sources of Continuing Support

The Dallas Park Parent Teacher Association has agreed to fund the cost of providing software. Projected expenses are primarily site licenses and renewals. The technology department will budget for repairs and upgrades to hardware. Faculty members and administration will provide Professional Development to the staff per needs assessment.

Performance Measures

Evaluation will occur on an annual yearly basis. Teachers along with students will

complete detailed surveys conveying strengths and areas of weakness that need attention.

An overall evaluation will be measured by progress made on the Texas Assessment of

Knowledge and Skills. It is expected for Dallas Park to move from "Recognized" to

"Exemplary" and maintain that status. Increased integration of technology through

instruction will also measure effectiveness.

Very good! -Dr.D.

System Specifications

Catalog Number	26 Retail RC977981
OptiPlex GX520 DT with Int Broadcom® GbNIC	Intel® Pentium® 4 Processor 521 with HT (2.8GHz, 1M, 800MHz FSB) 528D - [221-8994]
Operating System(s)	Genuine Windows® XP Professional, SP2, with Media XPP2E - [420-4850]
File System	NTFS File System for all Operating Systems NTFS - [420-3699]
Execute Disable Bit and Service Pack 2	Execute Disable Bit for Microsoft® Windows® XPSP2 set to OFF. XDOFF - [463-7780]
Memory	1.0GB DDR2 Non-ECC SDRAM,400MHz, (2DIMM) 1G2N42 - [311-5166]
Monitors	Dell 17 inch E773s (16.0 inch viewable) Conventional CRT E773S - [320-1582]
Boot Hard Drives	80GB SATA II, 7200 RPM Hard Drive with 8MB Data Burst Cache™ 80S2 - [341-2247]
Floppy	1.44MB 3.5 Inch Floppy Drive FD - [341-2266]
USB Memory	512MB Dell™ USB 2.0, Memory Key 512KEY2 - [311-5225]
Keyboards	Dell USB Enhanced Multimedia Keyboard USBM - [310-6611]
Mouse	Dell USB 2-Button Entry Mouse with Scroll USBE - [310-6610]
Mouse Pad	Mouse Pad MPAD - [310-3559]
Productivity Software	Microsoft ® Office Basic Edition 2003 and Adobe Acrobat 6.0 BAS03AD - [410-0166 412-0450]
Audio Solutions	Integrated AC97 Audio INTSND - [313-8170]

GO SOLVE WORD PROBLEMS - Software
Using *graphic organizers* to understand and solve word problems

GRADES 3 - 6

Teach your students to be better problem solvers with
program teaches students to recognize mathematical
with the aid of graphic organizers, and plan solutions

GO Solve Word Problems. This engaging software
situations in word problems, comprehend problems
with addition, subtraction, multiplication, and division.

Students master this problem-solving approach
own pace, and at a level automatically adapted to each
feedback and records performance data in easy-to-use

through step-by-step instruction and practice, at their
student. The program gives students immediate
teacher reports.

PRODUCT FEATURES

★ Self-paced, interactive tutorials introduce graphic organizers to map out mathematical situations
★ Cumulative practice holds students accountable for prior learning
★ Adaptive leveling assures differentiation for students at all levels
★ Immediate, answer-specific feedback
★ Software supports include hints, calculator, notebook, and text-to-speech
★ Customization of word problems engages students in problem solving — add names of people, places, and things!
★ Reporting tools monitor student or class progress and usage
★ Fits into your existing curriculum — correlated to major basal math curricula!
★ 1000+ practice word problems at varying levels of complexity

MEETS STATE AND NATIONAL STANDARDS
Your students will:

★ Create and use representations to organize, record, and communicate mathematical ideas
★ Select, apply, and translate among mathematical representations to solve problems
★ Solve problems with whole numbers, decimals, and fractions across a variety of contexts
★ Apply and adapt a variety of appropriate strategies to solve problems

A CLOSER LOOK
Why Graphic Organizers?
Research has shown how graphic organizers help students organize information to aid reading comprehension. In the
same way, they can also help students comprehend word problems. The graphic organizers in GO Solve Word Problems
highlight mathematical relationships in word problems and identify both known and missing information.

GO Solve Word Problems is sold as three separate titles:

- Addition and Subtraction: Parts-and-Total, Change, Comparison
- Multiplication and Division: Equal Parts, Area and Array
- Advanced Multiplication and Division: Part/Whole, Comparison, Proportion