

✓ 5-27589 FF

Pro. #1  
Committee #1

### Student Technology Fee Grant Funding Request Form Northwestern State University of Louisiana

2006.010

Proposal Number

Prepared by: Juanita Darby Department Math

College or Unit: Math Campus: Leesville/Fort Polk

Information Systems review by \_\_\_\_\_ Date 10/19/2005

#### 1. Describe target audience. (0 points)

All students enrolled on the NSU Leesville/Fort Polk campus, but especially those in core Math courses and all other classes that are scheduled into room 1 on the Leesville campus. NSU – Leesville/Fort Polk averages around 900 students during the Fall and the Spring semesters and about 400 during the Summer semester. Approximately 60-70% of the students are civilian, 20-30% are military family members, and 10% are active duty military. Classes are scheduled Monday – Saturday and night classes are scheduled Monday-Thursday to accommodate student needs.

- Approximately 400 students enroll in Math 1020 each year.
- Approximately 250 students enroll in Math 1060 each year.
- Approximately 25 students enroll in Math 2010 each year.
- Approximately 20 students enroll in Math 1090 each year.

This would impact approximately 700 students enrolled in core math courses each year. This would also impact additional classes scheduled into classroom 1 and other classroom since this equipment will be mobile. Classroom 1 has 60 seats and can have 7 class meetings per day so potentially 420 students would benefit daily from this equipment.

#### 2. Describe project/initiative for which you are requesting funds. (10 points)

To create a smart classroom on the NSU Leesville campus in room 1.

To purchase a symposium, computer, presentation projector, large screen, VCR, TI-84 Plus Silver Edition with connectivity kit, and a locking cabinet to secure this equipment in room 1.

#### 3. State measurable objectives that will be used to determine the impact/effectiveness of the project. (10 points)

To provide technology that will enhance the presentation of instruction for math classes by

- using color on the coordinate plane
- Excel spreadsheets
- Emulation of the TI-84 Calculator
- Split screen visualization of material
- Capability of demonstrating and using internet sources in the classroom.

937795

To improve the understanding of the math concepts presented using the symposium, computer, TI-84 calculator, and presentation projector on the large screen.

This would impact approximately 700 students enrolled in math each year and additional students scheduled into this classroom.

**4. Indicate how each project objective will be evaluated. (10 points)**

Students meeting in this classroom will complete a survey:

- Evaluating the equipment in this room,
- Comparing their understanding of math concepts presented with this new technology to previous methods i.e. chalkboard/whiteboard and overheads.

Instructors using equipment in this room will complete a survey:

- Evaluating the equipment in this room,
- Comparing their opinion of student understanding of concepts presented with this new technology to previous methods i.e. chalkboard/whiteboard and overheads.

**5. Provide a justification for funding of the project. Estimate the number of students that will be served per academic year and in what ways. Please indicate also any unique needs of the target group. (10 points)**

The SMART Expression 503 Multimedia Cabinet is an interactive lectern that links the computer to the projector and allows the students to view the computer monitor. This cabinet contains a Symposium which has an interactive console with a stylus and touch screen. The instructor simply touches the screen to control applications and write electronically on the touch screen allowing students to easily follow along with the lecture.

This technology will improve the clarity of math concepts by the use of color and side-by-side views of the problem and the calculator. Presentation of math instruction will be enhanced by the drawing capabilities of the Symposium. Steps used to solve equations can be recorded, saved to a file, and presented as a video.

This technology will enhance the presentation of math instruction by

- the use of color on the coordinate plane,
- the ability to view and write electronically on worksheets and SMART notebook,
- split screen visualization of material on the calculator and the worksheets,
- capability of demonstrating and using internet sources in the classroom.

**6. How will funding of the project advance the University and College / unit technology plan? Which NSTEP objective/s will this funding benefit? (15 points)**

NSTEPS Objective 1: To improve access to technology by students, faculty, and staff at NSU.

NSTEPS Objective 2: To provide classrooms with updated technology and multimedia.

**7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project. (0 points)**

Tommy Tilley, Senior User Support Specialist, will coordinate the installation and setup of the classrooms with the Office of Student Technology.

**8. Describe any personnel (technical or otherwise) required to support the project/initiative. (5 points)**

Tommy Tilley, Senior User Support Specialist, and the Office of Student Technology will work together to support this equipment.

All rooms on the Leesville campus are wired for internet access so wiring is not necessary.

**9. Provide a schedule for implementation and evaluation. (5 points)**

Equipment will be ordered in December and arrive by the end of February.  
During the spring 2006, the equipment will be installed in the classrooms and tested.  
Instructors will begin using the equipment after the installation is complete.

Evaluation will be done by surveys to students and instructors at the end of the semester.

**10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years. (0 points)**

Any upgrades in SMART software can be downloaded from the website.  
The SMART Symposium is expected to last from 5-10 years if used properly.  
The life of the computer is five years.  
The life of the calculator is 3-5 years. The TI-84 Plus Silver Edition is up gradable; therefore, it should be useful for 3-5 years even if newer versions become available.

VCR/DVD player has a life of 5 years.  
Large screen should last 10-15 years.

**11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received. Equipment will not be purchased until an acceptable policy is in place to ensure equipment security. (15 points)**

Projector and screen will be mounted in the classroom. The symposium and computer will be secured in a locked cabinet. (see attached view) The keys will be controlled under the NSU Leesville/Fort Polk Key Control Policy.

**12. Attach a detailed budget, including: specs., description, cost, state contract number, and vendor for each item; cost of outside support personnel; and a description of how the proposal will support University/College/unit resources (i.e., cash match, funds from other sources, or reallocation of existing hardware/software or other equipment. (20 points)**

See Attached for details and descriptions.

#### BUDGET

Item	Description	State Contract No. Vendor No.	Total Cost
1.	SMART Expression 503 Multimedia Cabinet with specified equipment listed in quote # 2139	Detel Computer Solutions 10434 Plaza Americana Baton Rouge, LA 70816	\$ 9532.95
2.	View Screen Package, TI-84 Plus Teacher's Silver Ed.	Campus Corner, Inc. 912 University Pkwy. Natchitoches, LA 71457	\$ 416.50
<b>Total Cost</b>			<b>\$9949.45</b> ✓

The SMARTer Kids Foundation provides the following Grants and programs to eligible higher education schools and learning institutions. Once you receive the grant you have 60 days to purchase the products from a reseller at the discounted price. This is an incentive plan offered by SMART, Inc. to give a discount of \$1250 to the school purchasing their products. Detel Computer Solutions assures me that this will not be a problem.

With the SMARTer Kids Grant applied:


Estimated Cost per Student per year:  $\$9949.45/700 = \$14.21$  per student

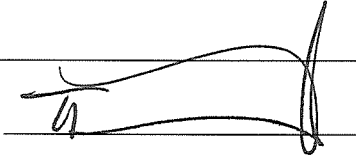
This estimate is based on 700 math students. Other classes will be scheduled to use this equipment. At this time it is uncertain the additional number of students that will be impacted from this equipment. This classroom seat 60 students and has the potential to impact 420 students daily.

**13. Attach a letter of support for the project signed by the requesting unit's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests). (0 points)**


Student Technology Fee  
Grant Proposal  
2005-06


<u>Name</u>	<u>Signature</u>	<u>Date Reviewed</u>
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Dr. Jim McCrory		2/20/05
Comments: _____		

Tyron Timmerello		10/25/05
Comments: _____		

Christyn Perot		10/24/05
Comments: _____		

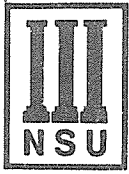
Tim Chadbourne		10/25/05
Comments: _____		

Gary Gatch		10/25/05
Comments: _____		

Dale Martin		11-11-05
Comments: _____		

Date Given to IS  
10/24/05

Date Received from IS  
10/26/05



**NORTHWESTERN  
State University**

A Member of the University of Louisiana System

3329 University Parkway  
Leesville, Louisiana 71446

**Leesville Campus**

Telephone (337) 392-3100

FAX (337) 392-3183

e-mail: [www.nsula.edu/leesville/](http://www.nsula.edu/leesville/)

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October 20, 2005

Student Technology Fee Grant  
Selection Committee

Dear Committee:

Please know that I fully support the Student Technology Fee grant proposal submitted by Ms. Juanita Darby to create a smart classroom on the Leesville Campus. Studies show that students learn through various modes on instruction and that the use of technology is a good method to reach more learning styles. Methods on instruction impossible for teachers to use without technology become not only possible, but convenient with the proper equipment.

Focusing this technology on mathematics instruction is desired because of the tremendous impact this discipline has on the quality of student life. Since approximately 700 students take mathematics on this campus every year, the impact on students would be considerable.

At a cost of less than \$15 per student per year, the cost effectiveness of the proposal is certainly an attractive plus. Equipping a smart classroom for this campus would be a wise use of Student Technology Fees. Please consider this proposal positively.

Sincerely,

Larry E. Monk, E. Ed.

Executive Director, NSU-Leesville/Fort Polk

Detel Computer Solutions  
 10434 Plaza Americana  
 BATON ROUGE LA 70816  
 UNITED STATES  
 Tel: (225)-.952.9430  
 Fax: (225)-.952.9432

PROPOSAL	
SQ-2139	10/19/2005

**\*2139\***

Customer	Contact	Ship To
Northwestern State University 715 College Avenue NATCHITOCHEES LA 71457	Northwestern State University Thomas Tilley 715 College Avenue NATCHITOCHEES LA 71457 UNITED STATES Tel: (318)-3575594	Northwestern State University Thomas Tilley 715 College Avenue NATCHITOCHEES LA 71457 UNITED STATES Tel: (318)-3575594

Account	Terms	Due Date	Account Rep	Schedule Date	
65	NET 30	11/18/2005	Brian Fontenet	10/19/2005	
Quotation	PO #	Reference	Ship VIA	Page	Printed
SQ-2139			Company Delivery	1	10/19/2005 4:01:02PM

L	Item	Description	Qty	Price	M	Discount	Amount
1	SMART-SE1-S03	Smart Expression 503 Multimedia Cabinet	1	\$4,999.00	EA		\$4,999.00
2	SMART-GRANT-SE1	Smarter Kids grant for Expressions 503	1	\$-1,250.00	EA		\$-1,250.00
3	SH	SHIPPING/HANDLING	1	\$320.00	EA		\$320.00
4							
5	Smart-ID250	Smart Technology Sympodium - ID250	1	\$2,499.00	EA		\$2,499.00
6	Smart-Grant-Sym	Smarter Kids Grant for Sympodium	1	\$-450.00	EA		\$-450.00
7	SH	SHIPPING/HANDLING	1	\$43.00	EA		\$43.00
8							
9	PRO-81p-EPSON	Epson Powerlite 81p 2000 Lumens Projector	1	\$1,659.00	EA		\$1,659.00
10		With a host of high-performance features, plus XGA resolution, the Epson Powerlite 81p is the ideal solution for virtually any presentation. Its flexible connectivity, plus powerful 5-watt audio, makes this projector perfect for any classroom or boardroom. Epson high-aperture LCDs work with its brilliant 2000 ANSI lumens to deliver accurate color, superior color saturation and remarkable image quality in any setting. And, with four input connections, an intuitive menu and remote control, plus automatic source selection, setup and operation couldn't be easier! Just plug it in, and you're ready. With whisper-quiet operation and unbeatable reliability, the Epson 81p ensures quality presentations that really make the grade.					

Page 1  
 Sub Total 7,820.00

6

Detel Computer Solutions  
 10434 Plaza Americana  
 BATON ROUGE LA 70816  
 UNITED STATES  
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 Fax: (225)-.952.9432

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Account	Terms	Due Date	Account Rep	Schedule Date	
65	NET 30	11/18/2005	Brian Fontenot	10/19/2005	
Quotation	PO #	Reference	Ship VIA	Page	Printed
SQ-2139			Company Delivery	2	10/19/2005 4:51:02PM

L	Item	Description	Qty	Price	M	Discount	Amount
11		State Contract# 405031 Line# 08018					
12							
13	DALITE-85672	Advantage Manual Square Format Screen	1	\$599.00	EA		\$599.00
14		8' x 8' ADVANTAGE MANUAL WITH CONTROLLED SCREEN RETURN SQUARE FORMAT					
15							
16	MISC	RCA DVD/VCR Combo	1	\$129.95	EA		\$129.95
17							
18	CASE-TW1	CasEdge Toolless Chassis Mid Tower Blk	1	\$940.00	EA		\$940.00
19	CPU-3.4/P4-550	Intel P4 Processor 3.4GHz 800FSB LGA775	1		EA		
20	RAM-512-DDR2	512MB x 1 DIMM - DDRII	1		EA		
21		533 MHz / PC2-4200					
22	HD-WD-80SATA	WESTERN DIGITAL 80GB SATA HDD	1		EA		
23	DVD-DVDRW-Black	Sony Black 16x DVDRW Optical Drive	1		EA		
24	FDD-Teac	Teac Floppy Disc Drive - Black	1		EA		
25	NET-WG311-NG	Netgear WG311 PCI Wireless NIC 802.11g	1		EA		
26	KB-Blk-Logitech	Logitech Black Value Keyboard	1		EA		
27	MS-Opt-Blk-Logi	Logitech Black Optical Value Mouse	1		EA		
28	Soft-XPPPro	Microsoft XP Professional CD and License	1		EA		
29	SOFT-Off03-Pro	Microsoft Office 2003 Professional	1		EA		
30		Includes Access 2003, Excel 2003, Outlook 2003 w/ Business Contact Manager Update, Power Point 2003, Publisher 2003, Word 2003					
31	SRG-Trip-TLP404	Tripp Lite 4 Socket Surge Protector	1		EA		
32	SH	SHIPPING/HANDLING	1		EA		

Page	2
Sub Total	1,668.95
Running Sub Total	9,488.95



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<b>Quotation</b>	<b>PO #</b>	<b>Reference</b>	<b>Ship VIA</b>	<b>Page</b>	<b>Printed</b>		
SQ-2139			Company Delivery	3	10/19/2005 4:51:02PM		
<b>L Item</b>	<b>Description</b>	<b>Qty</b>	<b>Price</b>	<b>M</b>	<b>Discount</b>	<b>Amount</b>	
33	INSTALL-STD	1		EA			
34	WAR-3YEAR-E/L	1		EA			
35	State Contract# 405031 Line# 01004						
36							
37	MISC-RACEWAY	20	\$2.20	EA		440.00	
38	Overfloor Cable Protection, 10ft., Black, PVC, 3 W X 20/32 H in, 1-Channel Surface Mount. For Cable Up to 1/2 inch Diameter						
39	BILLED PER FOOT						
<b>Tax Details</b>			LA-NONTAXED \$ 0.000		<b>Taxable</b> \$9,532.95		
					<b>Total Tax</b> \$0.00		
					<b>Exempt</b> \$0.00		
					<b>Total</b> \$9,532.95		
					<b>Balance</b> \$9,532.95		

October 19, 2005

To: Juanita Darby  
Leesville, LA

From: Jill Hightower  
Campus Corner, Inc.  
912 University Pkwy.  
Natchitoches, LA 71457

Re: Quote

View Screen Package, TI-84 Plus Teacher's Silver Edition:	396.50
Shipping and Handling	<u>20.00</u>
Total	416.50

Thanks,  
Jill Hightower

# SMART Expression™ 503

Mobile Multimedia Cabinet

**Simplicity**

Access all multimedia equipment from a single location.

**Mobility**

Move your multimedia system from room to room.

**Connectivity**

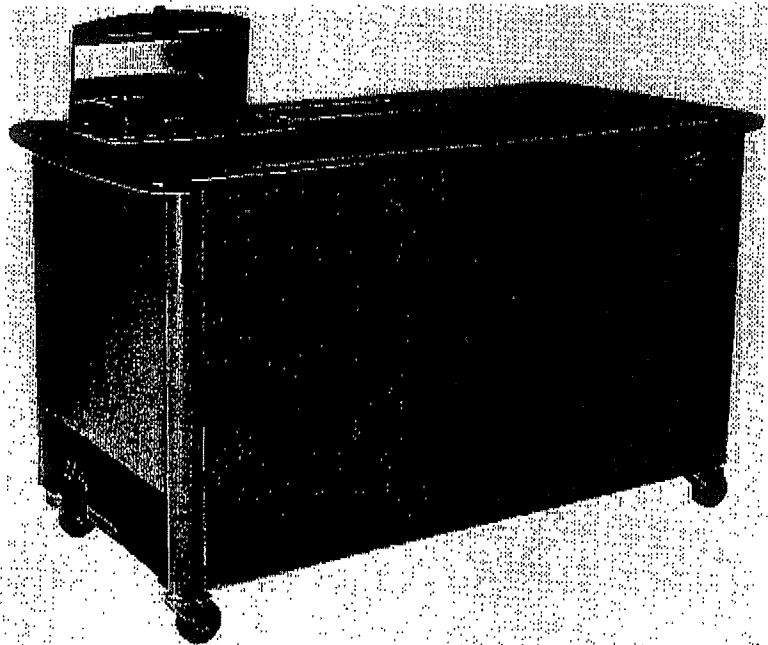
Add a laptop and instantly control all peripherals.

**Security**

Lock the cabinet door and mirror flap to secure your equipment.

**Flexibility**

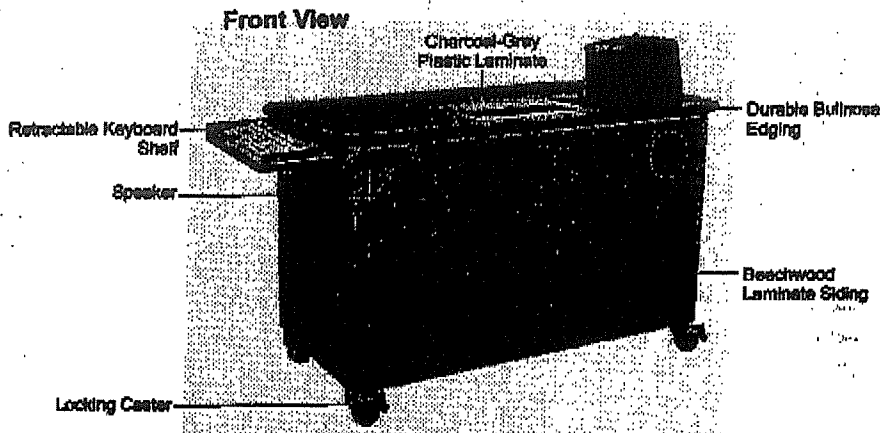
Choose the presentation tools that meet your needs.



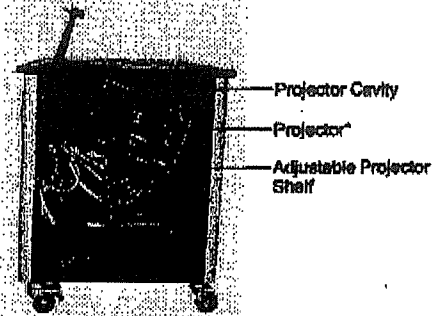
The Expression 503 mobile multimedia cabinet seamlessly integrates your choice of equipment in a secure, attractive unit. The 503 comes with installed cabling and a connection panel to simply add a computer, VCR or DVD player, printer and scanner. A projector cavity reduces projector noise while the adjustable mirror system reduces the distance to the projected image. A control panel with retractable cables, conveniently located on the top of the cabinet, allows you to quickly connect a laptop and control all peripherals.

With the SMART Expression cabinet, multimedia tools are housed in a single location that you can move from room to room as needed. Key locks on the door and mirror flap ensure that your valuable equipment is secure. You choose the multimedia tools you want and have them all ready to go at the flip of a switch, every time.

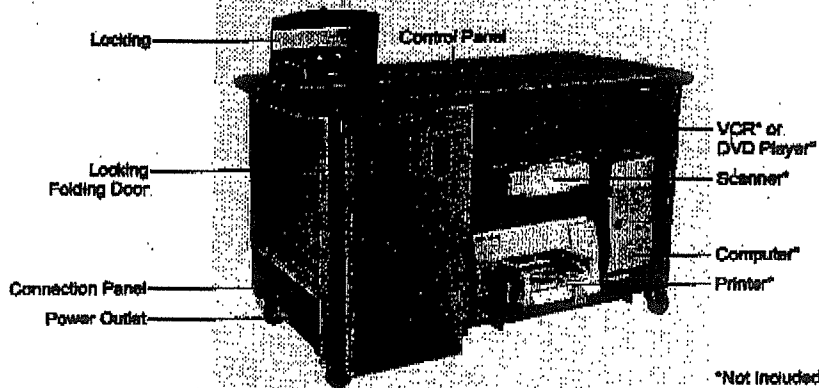
**Features**



**Side View (side panel removed)**



**Rear View**



**Audio System** – Incorporates two 15-watt speakers, an amplifier and a two-source mixer

**SMART X-Port™ 10 Multimedia Switch** – Toggles serial data, computer video and audio between the internal computer and laptop

**Control Panel** – Includes the power switch, volume control and retractable cabling to connect a laptop

**Connection Panel** – Connects a SMART Board™ Interactive whiteboard, external monitor, network, external audio system and modem

**Key Locks** – Lock door and mirror flap

**Peripheral Shelves** – Comes with one large pull-out, one large fixed and two small fixed shelves, which adjust easily to fit a variety of computers and peripherals

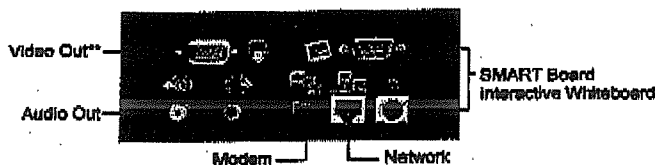
**Casters** – Roll easily over carpet or tile and lock to secure cabinet in place

**Options**

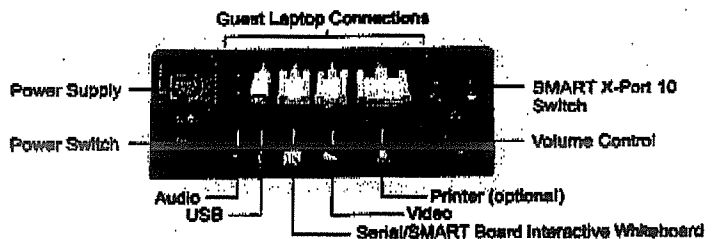
- Custom finishes
- Conversion kit for Macintosh computers with printer, video and serial adapters
- Multiple SMART Board Interactive whiteboard

**Connection Panel**

\*If supported by the internal projector



**Control Panel**



**Dimensions**

<b>Finished Cabinet</b>	53 1/2" W x 33 3/4" H x 28 1/2" D	(135.9 cm x 85.6 cm x 72.4 cm)
<b>Maximum Size of Computer</b>	8 3/4" W x 18 1/2" H x 20 1/2" D	(22.2 cm x 47 cm x 52.1 cm)
<b>Projector Cavity</b>	14" W x 9" H x 18" D	(35.6 cm x 22.9 cm x 45.7 cm)
<b>Peripheral Cavity</b>	28" W x 24" H x 18" D	(73.7 cm x 61 cm x 45.7 cm)

*Note: All shelves have a weight restriction of 50 lb. (22.7 kg)*

For more information, visit:  
[www.smarttech.com/expression](http://www.smarttech.com/expression)



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 e-mail: [Info@smarttech.com](mailto:Info@smarttech.com) [www.smarttech.com](http://www.smarttech.com)

SMART products are sold and supported through a worldwide network of resellers and distributors. Available from:



**NORTHWESTERN STATE**  
UNIVERSITY OF LOUISIANA  
Natchitoches, LA 71497

**Student Technology**  
*Watson Library, Room 113*

Telephone (318) 357-6482  
FAX (318) 357-6480

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January 6, 2005

Ms. Juanita Darby  
Northwestern State University  
3329 University Parkway  
Leesville, LA 71446

Dear Ms. Darby,

It is with pleasure that the STAT (Student Technology Advisory Team) has fully funded your grant proposal for Fiscal Year 2005-06 in the amount of \$9,949.45.

Ordering of equipment listed in the grant proposal will take place during the month of January.

Please be reminded that your grant was funded through Northwestern Student Technology Fees, all equipment purchased, therefore, must be used exclusively and directly for/by Northwestern students.

You are commended for, and encouraged to continue your efforts to enrich the learning environment for students at Northwestern State University. Your time, effort, and vision in service of the students are greatly appreciated. If you have questions or need additional information please contact me by phone or via email at: [long@nsula.edu](mailto:long@nsula.edu).

Sincerely,

A handwritten signature in cursive script, appearing to read "Jennifer Long".

Jennifer Long  
Student Technology Fee

cc: Dr. Austin Temple