


Student Technology Fee

Grant Proposal

2010.018

2009-10


Tracy Brown 

Approved

Denied

Comment: _____

Diana Hamilton

Approved 

Denied

Comment: _____

Gary Gatch

Approved



Denied

Comment: _____

Mike McDonald/James Leonards

Approved

Denied 

Comment: _____

Dale Martin

Approved

Denied

Comment: 

Student Technology Fee
Grant Proposal Request Form
Fiscal Year 2009-010
Northwestern State University of Louisiana

FF 2010.018

ALL BLANKS MUST BE FILLED COMPLETELY

Prepared by: Catherine C. Fauchaux, LCSW & Dr. Mike Land For: Office of Disability Support and Department of Biology

Department/Unit: ODS & Dept. of Biology College: University College & CoST Campus: Natchitoches

Which NSTEP Goals/Objectives does this project meet? # 1,2,3 & 7

Requested equipment will be located/installed/housed? Building Kyser (81) & Bienvenu (91) Room 229/235

Are department property policies and procedures in place for requested equipment? Yes

Which individual will be responsible for property control of the requested equipment?

Signature: Catherine Fauchaux ML Date: 30 Oct 2009

Proposal Requested Amount: \$ 25,150.48 Budget Attached (circle one): YES/NO

Proposal delivered to Student Technology located in Watson Library, Room 113. Date _____

The proposal must include all specifications, description, model number, quotation, cost, state contract number, and vendor for each item. If the proposal does not include all requested information, it will be returned to requestor.

1. Describe target audience.

The target audience is approximately 320+ students enrolled in the introductory Biology course and lab as well as Microbiology and Micro Lab. Of the above students, 10 % of them have physical, visual and learning disabilities. There are students enrolled in these courses who are in wheelchairs and have limited access to the current technologies.

2. Describe project/initiative for which you are requesting funds.

To obtain lab equipment (microscopes, computer, & movable lab/work station) in order to bring the existing lab up to ADA standards making them equally accessible to all students. It will promote interactive learning and improve class participation. In the labs, students need to be "hands on" and manipulate equipment and that is very difficult for the students with disabilities. This equipment can and will be tied into a multimedia delivery system so that all students can benefit from the technology advancements.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project.

Impact -1: Instructor presentations/lectures will include a technology component.

Impact - 2: Improved class interactions and participation.

Impact -3: Insure the personal safety of the differently abled students while participating in experiments.

Effectiveness - 4: 90% of all presentations/lectures will have visual demonstrations.

Effectiveness -5: Unlimited access to internet will promote animations in lesson planning.

Effectiveness - 6: All students enrolled in labs will remain injury free.

4. Indicate how each project objective will be evaluated.

Objective 1 & 4 will be evaluated by the instructor of record and department head each semester. Objective 2 & 5 will be evaluated by the students each semester by the ability to have a "hands on" participation and experience through the increased visual support and mobility provided from the movable work station.

Objective 3 & 6 The Office of Disability Support and Biology Instructors will insure that all safety precautions are utilized and that no accidents will occur.

All Instructors will complete ongoing evaluations of the classroom/lab environment to determine if modifications are necessary and implement them accordingly.

5. If funded, which NSTEP <http://www.nsula.edu/nstep/NSTEP.pdf> objective(s) will this funding of this project advance. How will funding of the project advance the University and College/unit technology plan?

According to the NSTEP, this funding will meet the following objectives: 1,2,3 &7.

This funding will advance the University Technology plan by providing students with more updated technology and equipment in order to promote students success and provide excellence in education. It will also contribute to a welcoming and accessible learning environment for those with disabilities so that improved learning and it will insure quality education for all.

6. Provide a justification for funding of this project. Estimate the number of student that will be served per academic year and in what ways. Please indicate also any unique needs of the target group.

The contained learning unit will allow those permanently and temporarily disabled (ie: carwreck) to participate in Lab activities. Current facilities do no provide physical accessibility to perform labs requirements. Laboratory experiences are interactive and students with physical capabilities other than "usual" students become passive and do not gain the experiences they deserve or pay for. Thus it will minimize nonessential physical effort through providing options for the operation of equipment. Large print will assist with visual difficulties. It will provide for 300+

Biology students, including those with disabilities to gain a strong knowledge base and understanding of the concept being taught. In addition, the ancillary biology classes located in Bienvenu can have access to the equipment.

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.

Catherine C. Fauchaux, LCSW, Coordinator of Disability Support
Dr. Mike Land – Associate Professor of Microbiology
Dr. Jon Akin- Associate Professor of Biology
Millard Mangrum – Lab coordinator for undergraduate labs

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

One technician to set up computer and multimedia delivery system and provide occasional support. Biology instructors will maintain microscopes, software and movable work/lab stations as well as oversee the day-to-day operations.

9. Provide a schedule for implementation and evaluation.

November – identify and order equipment.
December/January – receive and set up equipment.
**All Biology and ADA students will have immediate access because it will be implemented into the instruction and labs as soon as it is received. Evaluation will be collected and reviewed at the end of each semester.

10: Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.

The estimated life expectancy of the computer is 5 years. Upgrades will be necessary as technology advances. The multimedia delivery system is at least 5 years. There is perpetual expectancy for the lab station and microscopes because of low wear and tear related to the policies and procedures for safekeeping.

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Technology Fee.

If you are requesting equipment that will be either/or checkout to students or moved within the department, you must provide a checkout/loan policy.

There will be no checkout of the equipment. If it is moved it is done under the supervision of the Biology instructors. All equipment is utilized and stored into classrooms which are locked daily and secured always due to the nature of the work.

12. Attach a detailed budget.

Please see attached budget and information.

ENABLING STATION KYSER HALL

Science Mobile Work Station	Nasco	p 384	2,998.75	7280
Kne-A-vision video flex 7600	Carolina	p 985	999.00	7282
Digital 2000 Microscop, Binocular Head	Wards Science	p 324	1,599.00	7280
LabHand Laptop Stand	Fisher Scientific	p 813	103.00	7282
Portable One-Touch Burner	Daigger	p. 136	177.00	7282

Computer

Projector (2) 1 for each room for the station to plug into
 Electric Screen (2 x 1098.00)

~~5,876.75~~
 (3077.33) \$1828.16 7340
 *6,154.16 7280
 2,196.00 7280
 # 16,055.57

ENABLING STATION BINEVENU HALL

Science Mobile Work Station	Nasco	p 384	2,998.75
Kne-A-vision video flex 7600	Carolina	p 985	999.00
Digital 2000 Microscop, Binocular Head	Wards Science	p 324	1,599.00
Boreal Digital/Analog Steromicroscope	Wards Science	p 340	1,390.00
LabHand Laptop Stand	Fisher Scientific	p 813	103.00
Portable One-Touch Burner	Daigger	p. 136	177.00

Computer – No Projectors

~~7,266.75~~
 \$1828.16
 # 9,094.91

See Attached for specification of the above or equivalent

Creative Presentations

Visual Communications Made Simple

~~Date: 7/20/2009~~

To: Northwestern State University/Jennifer Long

Phone:

From: Scott Albarado (scotta@creativepres.com)

<u>Qty</u>	<u>Description</u>	<u>Line #</u>	<u>*Unit Price</u>	<u>*Total Price</u>
I. Rooms 221 & 232				
State Contract #406245				
2	Creative Presentations - CPI-MIT-XD280U- Projector, XGA, 3000 Lumens	01197	\$ 1,132.00	\$2,264.00
2	Creative Presentations-CPI-Mount5- Mount for Display Device (Projector Ceiling Mounting Kit)	03167	\$ 373.33	\$746.66
19	Creative Presentations-CPI-PC-INT- Interconnect Cables	03219	\$ 35.00	\$665.00
1	Creative Presentations -Miscellaneous Peripherals include: Wall Plates, Projector Power Filters, Cable Wall Raceway and any miscellaneous items needed	99888	\$ 559.00	\$559.00
16	Creative Presentations Onsite Installation / troubleshooting / Project Management & System Testing	99777	\$ 120.00	<u>\$1,920.00</u>

Total \$6,154.66

2 - Electric Screens @ 1098.00 ea 2196.00

3639 Ambassador Caffery Pkwy, Suite 402, Lafayette, LA 70503
 Phone (337) 406-0480 Toll Free (877) 406-0480 Fax (337) 406-0760
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Z42353M — \$2,998.75



Carolina™ Science



ken-a-vision
KNOWLEDGE THROUGH VISION

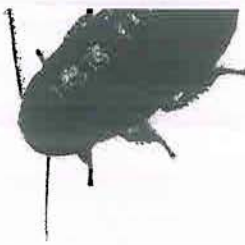
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- Patented QuickFocus™ interchangeable C-mount lens for increased versatility
- 500 lines of resolution for clear, sharp images
- Light sensitivity (1.5 lux) facilitates images, even in low-light situations
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- USB computer, video, and S-video outputs allowing simultaneous viewing from the computer, TV/monitor, and LCD/DLP projector
- Capture still images, time-lapse movies or video while live action continues on the video monitor and projector

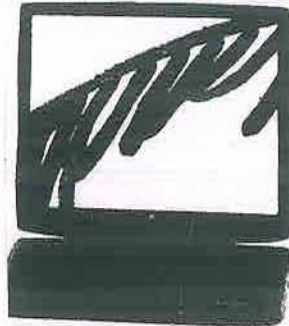
The Video Flex® 7600—innovative, flexible cameras—turns your classroom into an interactive learning center. Enhance your classroom lesson plans and provide the latest technology in high-resolution, multi-purpose, flexible cameras. The easy-to-use, manual contrast control allows you to adjust to any light conditions. The positive/negative switch can reverse the video image to show details not usually seen, and the fluorescent control eliminates the irritating pulsing sometimes found in fluorescent lighting. Macintosh®/Windows® compatible.

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- Inclined binocular head
- Paired 10X widefield eyepieces with diopter and interpupillary adjustment
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- Built-in mechanical stage, 5 1/2" x 5 1/4"
- Coaxial coarse and fine focus controls
- 1.25 N.A. Abbe condenser with iris diaphragm
- Built-in 15 W halogen illumination with variable intensity control



24 W 0517

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Fisher Scientific

College 2009



S94746M

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Provides safe, convenient surface for laptops in laboratory. Protects books from spills and increases amount of available space.

- ▶ Mounted on solid plastic rod
- ▶ Fits securely into standard rod sockets
- ▶ Platform constructed of powder-coated steel
- ▶ Surface area withstands most lab chemicals

ORDERING INFORMATION

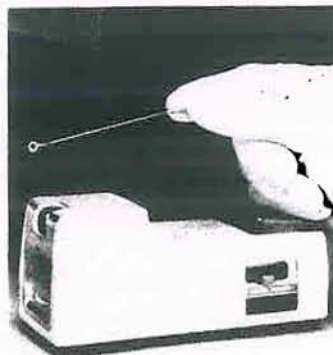
- ▶ Dimensions: 15W x 12D x 8"H (37.5 x 30 x 20cm)
- ▶ Weight: 5 lb. (2.27kg)

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DAIGGER Price	177.00
FX11812B Butane refill; 12/pk.	100.00
DAIGGER Price	92.00



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Northwestern State University

Description



Latitude E6400

Date & Time: October 28, 2009 3:50 PM CST

SYSTEM COMPONENTS

Latitude E6400

Intel® Core™ 2 Duo P8800 (2.66GHz, 3M L2 Cache, 1066MHz FSB), Genuine Windows Vista® Home Basic SP1, No media

Qty 1
Unit Price \$1,828.16

Catalog Number: 25 E1514

Module	Description	Show Details
---------------	--------------------	------------------------------

Latitude E6400	Intel® Core™ 2 Duo P8800 (2.66GHz, 3M L2 Cache, 1066MHz FSB)
-----------------------	--------------------------------------------------------------

Operating Systems	Genuine Windows Vista® Home Basic SP1, No media
--------------------------	-------------------------------------------------

Memory	4.0GB, DDR2-800 SDRAM, 2 DIMMS
---------------	--------------------------------

Internal Keyboard	Internal English Keyboard
--------------------------	---------------------------

Graphics and Expansion Slot	NVIDIA Quadro NVS 160M With Express Card
------------------------------------	------------------------------------------

Primary Storage	80GB Hard Drive, 7200RPM with Free Fall Sensor
------------------------	------------------------------------------------

Fingerprint Reader Options	No Fingerprint Reader
-----------------------------------	-----------------------

LCDs	14.1" Widescreen WXGA (1280x800) LED Display - Brush Metal Black
-------------	------------------------------------------------------------------

Bluetooth	Dell Wireless® 370 Bluetooth Module
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Modem	Internal Modem
--------------	----------------

AC Adapter	90W A/C Adapter (3-pin)
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Primary Optical Device	8X DVD+/-RW w/Roxio and Cyberlink PowerDVD™
-------------------------------	---------------------------------------------

Camera/Microphone	Digital Microphone
--------------------------	--------------------

Wireless LAN (802.11)	Dell Wireless™ 1510 802.11a/g/n Draft Mini Card
------------------------------	-------------------------------------------------

Systems Management	No Intel® vPro™ Secure Advanced Hardware Enabled Systems Management
---------------------------	---------------------------------------------------------------------

System Documentation	No System Documentation
-----------------------------	-------------------------

Primary Battery	9 Cell Battery
------------------------	----------------

Carrying Cases	Deluxe Nylon Case (2 pocket, up to 15.4)
-----------------------	------------------------------------------

Hardware Support Services	5 Year Basic Limited Warranty and 5 Year NBD Onsite Service
Extended Battery Service	2 Years Extended Battery Service for Years 2 and 3 of System Life
Installation Services	No Onsite System Setup
Accidental Damage Service	5 Year CompleteCare Accidental Damage Protection
LCDs	Black WideScreen WXGA LED LCD Panel with Microphone only
Laptop Tracking & Recovery	Absolute Computrace Complete 4YR License
Processor Branding	Intel Core 2 Duo Processor
OS Labels	Vista Basic Label

TOTAL: \$1,828.16

	Total Price
Sub-total	\$1,828.16
Shipping & Handling	\$0.00
Tax	--
Total Price¹	--

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snCM55



DEPARTMENT OF BIOLOGICAL SCIENCES
COLLEGE OF SCIENCE & TECHNOLOGY
Phone (318) 357-5323, Fax (318) 357-4518



October 30, 2009

Ms. Jennifer Long Martin
Student Technology Office
Watson Library

Ms. Long,

I am writing in support of Dr. Michael Land's Student Tech Fee grant proposal to purchase equipment that would enhance the quality of education of handicapped students at NSU. Our facilities in Bienvenu Hall and Kyser Hall currently have very poor accommodations for handicapped students. For example, none of the lecture halls have chairs/tables that can be used by wheelchair bound students, rather a poor and nonergonomic solution is often rigged out to provide the student with a writing surface. More importantly, lab facilities do not have sinks, workstations or equipment that can accommodate wheelchair bound or vision impaired students. I think it would be a great service to our students if this situation is remedied and I urge to give this application your most serious consideration.

Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Zafer Hatahet".

Zafer Hatahet, Ph.D.
Professor and Chair

30 October 2009

Student Technology Fee

Grant Proposal Request Committee

Fiscal Year 2009-010

Northwestern State University of Louisiana

Dear Committee Members:

This letter is submitted in support of the Grant Proposal submitted by Dr. Mike Land and Mrs. Catherine Fauchaux. I am the parent of *one* of Northwestern State's disabled students. He is currently pursuing a Bachelor of Science in Biology with aspirations of applying to Pharmacy School. As an upper classman, he is now in the midst of completing the more technical aspects of his coursework. While *access* to the necessary campus buildings is not precluded, there exist some barriers inside the classroom; particularly in terms of science laboratory access.

Access to the lab itself is available, but once inside, there are some limitations that this grant, if approved, would significantly address. The standard lab tables/benches are not of an appropriate wheelchair height and as such, requires that he "parallel park", if you will, along the edge. While such limited access does not affect his ability to hear the lecture or see any work presented by the professor on the chalkboard, once the instruction turns to more hands-on application of the material, he is very much limited.

With the purchase of mobile lab stations, he would be able to have a work space that would allow his more direct participation. Thus far, he is restricted to *observation* of tablemates' accomplishment of the experimental procedures. In keeping with course requirements, he is responsible for the steps completed and the results they garner, but cannot be an active participant in gleaning those results. These proposed mobile stations would provide a similar workplace as those of other students. The ability to independently accomplish experiments and interpret the resulting information would greatly enhance his ability to master the skills and information presented in upper level lab classes.

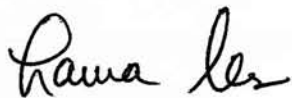
While this letter addresses the particular challenges of the one student for which I have personal knowledge, I am keenly aware that he would not be the only student to benefit from such equipment. Other differently-abled students currently attend Northwestern and the potential for others to follow most definitely exists. Additionally, *any* student may find themselves in a temporary condition that would allow them to take advantage of such equipment as well.

Whether the result of a temporary condition or something more permanent, the availability of adaptive equipment serves to allow a particular group of students the ability to compete on a more level playing

field with their contemporaries. Disabilities present a unique set of challenges that can be difficult to appreciate unless you experience them first hand, or as I do, from a short distance away. It is my experience that these students want *nothing* given to them, but rather only the opportunity to create and submit their own work in a manner more in keeping with their unique abilities.

It is my hope that this proposal is considered favorably and that the current and future students of Northwestern can look forward to the availability of this equipment and the opportunities it will provide. If there is any further information I might provide or questions I can answer, I would welcome such an opportunity.

Sincerely,

A handwritten signature in cursive script that reads "Laura Iles". The signature is written in black ink and is positioned below the word "Sincerely,".

Laura Iles




NORTHWESTERN
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A Member of the University of Louisiana System

University College
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Natchitoches, LA 71497

Telephone (318) 357-5000
FAX (318) 357-6475

Date: October 30, 2009

To: Jennifer Long-Martin &
Student Technology Committee

From: Sue W. Weaver, Dean 
University College

Re: Joint Venture Grant to Assist Students with Disabilities

I am writing in support of the joint venture proposal submitted by Ms. Catherine Fauchaux and Dr. Mike Land. Ms. Fauchaux, NSU's Coordinator of Disability Support, and Dr. Land, an Associate Professor of Biology, teamed together to write for technology that will help students with disabilities in their respective laboratory settings.

The funding provided by this grant will also be used to enhance the learning process for all students enrolled in these respective Biology labs, but most especially, students with disabilities. More than 300 students per academic year are enrolled in the introductory Biology class (1010) and lab (1011), along with Microbiology (2060) and lab (2061).

If I can provide additional information, please do not hesitate to call me.