UNIVERSITY OF LOUISIANA AT LAFAYETTE

STEP COMMITTEE

Technology Fee Application

Preparing Pre-service Teachers to Integrate Mobile Devices into The Classroom

Title

Douglas Williams, Aimee Barber
Name (Submitter)

College of Education
Organization

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Signature of Dean or Administrative Head (REQUIRED)

ABSTRACT PAGE

Title: Preparing Pre-service Teachers to Integrate Mobile Devices into The Classroom

Date: July 15, 2016

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Dept/College: Department of Curriculum and Instruction, College of Education

Abstract
The purpose of this grant is to enhance the equipment used in the technology integration courses taken by all education majors in the College of Education. Multi-touch mobile devices are engaging and they provide many educational opportunities. Our pre-service teachers need to learn how to use these devices in the classroom. Completing educational activities on these devices in their technology integration course and during their field experience will prepare them to use these technologies in their future classrooms.

Enhance Technology Integration Course IRED 320/315

A. Purpose of Grant

The purpose of this grant is to enhance the equipment used in the technology integration courses taken by all education majors in the College of Education. Multi-touch mobile devices are gaining in popularity.

Many K-12 schools have already adopted these multi-touch devices as cost-effective tools to build and sustain their 1-to-1 computing programs. These devices have unique affordances and characteristics (e.g. multi-touch, support apps, location aware, relatively inexpensive, easier to maintain).

Our pre-service teachers need to learn how to use these devices in the classroom. Completing educational activities on these devices in their technology integration course and during their field experience would prepare them to use these technologies in their future classrooms when they start to teach. The methodologies practiced with these devices will span all grade levels and subject areas.

B. Impact on Student Body
This proposal will impact approximately **200 education majors** each year. **Additionally, each year approximately 200 K-12 children** have opportunities to work with our education majors using the equipment.

C. The Projected Lifetime Of Enhancement
We expect this project to benefit students for at least the next three years.

C. Person(s) Responsible for Project

a. Implementation: Aimee Barber, Douglas Williams
b. Installation: Lab Assistants
c. Maintenance: Lab Assistants
d. Operation: Aimee Barber, Douglas Williams
e. Training: Aimee Barber, Douglas Williams

E. Qualifications:

Aimee Barber is a former first grade teacher with a master's degree in Education of the Gifted and a bachelor's degree in Elementary Education. She is an instructor of Technology in the Classroom and Science for Elementary School where she works with pre-service teachers to bring innovative technologies into K-5 classrooms.

Dr. Doug Williams has a doctoral degree in educational technology with an emphasis on educational multimedia. He has over 15 years of experience in the computer industry as a programmer, network administrator, and web site designer. Doug is an Associate Professor in the College of Education.

Budget Category Descriptions
Note: We already own a locking cart that will be used for storing and charging the devices.

Equipment

Qty	Item	Description	Cost/Unit	Total Cost
12	**iPad Mini 4/ 64 GB**	A multi-touch tablet	479	5748
12	**Apple Care for iPad**	Required by UL	79	948
12	**Case for iPad**	A case to protect the iPad	49	588
			Total:	**$7,284**

Software

Qty	Item	Description	Cost/Unit	Total Cost
12	**Educational Apps for iPads**		50	600
			Total:	**$600**

Budget Proposal

Length of Implementation (in years)	1	2	3
1. Equipment	7,284		
2. Software	600		
3. Supplies	0		
4. Maintenance	0		
5. Personnel	0		
6. Others	0		
TOTAL:	$**7,884**		

Timeline

Year 1:
Order and install hardware and software.

Previously Funded STEP Grants

Mr. David Lynch and Mrs. Louise Prejean had a STEP proposal funded during 2010 to provide software for the department computer lab.

Dr. Doug Williams, Mrs. Louise Prejean, Dr. Yuxin Ma, and Dr. Mary Jane Ford, had a STEP proposal funded during 2006 to provide software for a pedagogical laboratory for pre-service teachers.

Mrs. Louise Prejean, Dr. Yuxin Ma, Dr. Doug Williams, and Dr. Mary Jane Ford, had a STEP proposal funded during 2006 to provide hardware and software for an educational technology course.

Mrs. Louise Prejean, Dr. Mary Jane Ford, and Dr. Doug Williams had a STEP proposal funded during 2005 to provide software for the student computers in the undergraduate computer lab in the College of Education.

Dr. Sally Dobyns, Dr. Doug Williams, and Mrs. Louise Prejean had a STEP proposal funded during 2005 to provide EduCaching equipment for undergraduate and graduate classes.

Dr. Gail Dack, Dr. Ford, Dr. Doug Williams and Mrs. Louise Prejean had a STEP proposal funded during 2005 to provide video equipment for the student computers in the undergraduate and graduate computer labs in the College of Education.

Mrs. Louise Prejean, Dr. Mary Jane Ford, and Dr. Doug Williams had a STEP proposal funded during 2004 to provide robotics software and hardware for the student computers in the undergraduate computer lab in the College of Education.

Dr. Doug Williams, Mrs. Louise Prejean, and Dr. Mary Jane Ford, had a STEP proposal funded during 2004 to upgrade software in the undergraduate computer lab in the College of Education.

Dr. Mary Jane Ford, Dr. Doug Williams, and Dr. Susan Lyman had a STEP proposal funded during 2000 to upgrade the student computers in the undergraduate computer lab in the College of Education. The server was not upgraded as part of this grant.

Dr. Doug Williams, Dr. Mary Jane Ford, and Dr. Susan Lyman had a STEP proposal funded during the 2000-2001 funding cycle to install equipment and software in the College of Education Materials Center.