

UNIVERSITY OF LOUISIANA  
AT LAFAYETTE

STEP COMMITTEE

Technology Fee Application

Replacement of Aged Interactive Display  
**Title**

Douglas Williams, Aimee Barber  
**Name (Submitter)**

College of Education  
**Organization**

## ABSTRACT PAGE

**Title:** Replacement of Aged Interactive Display

**Date:** July 13, 2019

**Name (Contact Persons):** Douglas Williams

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

### Abstract

A core teaching lab for the college of education, MDD 304, has an out-of-date standard Promethean Board. The goal of this **request is to replace this aged interactive whiteboard** with the latest technology from Promethean, the **ActivPanel® Titanium™ Interactive Display**. This will enhance the preparation of pre-service education majors (early childhood, elementary, middle, and secondary) reaching approximately 200 education majors each year. All education majors are taught to use the interactive whiteboards and displays in this teaching lab.

The **ActivPanel® Titanium™** interactive display is much improved over the older Promethean technology (interactive whiteboards and projectors). The **ActivPanel® Titanium™** simply needs WiFi access and electrical power to support interactive lessons and multi-device mirroring from Chromebooks™, tablets, and laptops.

## Hands-on Science Technology

### A. Purpose of Grant

This grant will **replace the aged Promethean Board in MDD 304**, a teaching lab for IRED 320, a required technology integration class that has approximately **200 education majors each year**.

A core teaching lab for the college of education, MDD 304, has an out-of-date standard promethean board. The goal of this **request is to replace this interactive whiteboard** with the latest technology from Promethean, the [\*\*ActivPanel® Titanium™ Interactive Display\*\*](#). Additionally, we request a [\*\*Promethean® Chromebox\*\*](#) which supports tight integration with Google services. Nearly all K-12 schools in our service area utilize Google Suite of tools (e.g. Google Drive).



This will enhance the preparation of pre-service education majors (early childhood, elementary, middle, and secondary. All education majors are taught to use the interactive whiteboards and displays in this teaching lab.

The **ActivPanel® Titanium™** interactive display is much improved over the older Promethean technology (interactive whiteboards and projectors). The **ActivPanel® Titanium™**

simply needs WiFi access and electrical power to support interactive lessons and multi-device mirroring from Chromebooks™, tablets, and laptops. Built on Android, this powerful interactive display supports a variety of apps to enhance student learning.

Education graduates are expected to enter K-12 schools ready to leverage interactive whiteboards and displays in teaching and learning.

**B. Impact on Student Body**

This proposal will impact approximately 200 education majors each year.

**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: Douglas Williams
- b. Installation: Doug Williams
- c. Maintenance: Doug Williams
- 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. Douglas 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 website designer. Douglas is a Professor in the College of Education.

**Budget Category Descriptions**

Qty	Item	Description	Cost	
			Each	Total
1	<b>Promethean AP7-B86-NA-1 86" ActivPanel Titanium</b>	Stand-alone interactive display to support interactive hands-on learning and mirroring from phones, laptops, and tablets.	7,200	7,200
1	<b>Promethean® Chromebox</b>	Provides seamless integration of Promethean ActivPanel Titanium and Google Suite of Apps for Education.	360	360
				<b>\$7,560</b>

## Budget Proposal

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Length of Implementation	1	2	3
(in years)			
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1. Equipment	7,560		
2. Software	0		
3. Supplies	0		
4. Maintenance	0		
5. Personnel	0		
6. Others	0		

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**TOTAL:** \$7,560

### Timeline

#### Year 1:

Order and install hardware.

### Previously Funded STEP Grants

Williams and Barber had 2 STEP proposals funded in Spring 2019, Maker-centered learning lab and Innovation Lab Enhancements

Williams and Barber had a STEP Proposal funded in the Fall 2018 cycle to expand replace aging robotics equipment for use by elementary majors.

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 Dobyms, 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.

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