

Grant Pre-Proposal

Preparing Well-Qualified, Technology-Proficient K-12 Teachers


Southwestern Assemblies of God University

Introduction

The Teacher Education Department at Southwestern Assemblies of God University (SAGU) desires to prepare well-qualified, technology-proficient teachers who are prepared to teach in K-12 schools by developing an instructional lab equipped with both prevalent and emerging technology because the technology is needed to adequately address the Texas State Department of Education Technology Application Standards for All Beginning Teachers and to support the Federal *No Child Left Behind Act*.

According to the U.S. Department of Education, federal, state and local agencies continue to invest billions of dollars to equip K-12 schools with computers and modern communication networks, but only one-third of our nation's teachers feel well prepared to use computers and the Internet in their teaching. Intent on providing an instructional environment which can prepare students to develop the skills needed to meet the Technology Application Standards for All Beginning Teachers and intent on doing their part to reduce this ratio, the Teacher Education Department at Southwestern understands that simply implementing current and emerging technologies does not accomplish the task. SAGU must implement the technology, and with it, train future teachers to integrate technology in instruction effectively. In turn, the outcome will be the preparation of a new group of K-12 teachers who are able to rise to the mandate of the *No Child Left Behind Act*, which challenges schools to improve student achievement through the use of technology, to raise student technology literacy, and to ensure that teachers integrate technology into the curriculum effectively.

Potential Grant Funding Entities

This pre-proposal is intended for submission to agencies that fund grants for post-secondary institutions. Grant sources under investigation include the Fund for Improvement of Post Secondary Education, Preparing Tomorrow's Teachers to Use Technology (PT3) grants, and grants available under the Enhancing Education Through Technology program which is included in the *No Child Left Behind Act*. Consider  will also be given to the previous entity who provided funds for two existing labs at the University.

Target Population


Teacher education students at Southwestern Assemblies of God University comprise the target population of this grant pre-proposal. SAGU graduates 55 students each academic year who teach in public, charter and private schools across the United States.

Students attend Southwestern from across the United States. The greatest percentage of students who attend are from the eight supporting regional Assemblies of God Districts--Colorado, Arizona, Texas, Mississippi, Alabama, Oklahoma, New Mexico, and Arkansas.

Scope of the Project

Southwestern Assemblies of God University is located in Waxahachie, Texas, in Ellis County. Ellis County is a neighboring county to Dallas County. Many teacher education graduates are hired in the Ellis and Dallas County Schools. *(Prior to submitting this grant pre-proposal, technology personnel in the Waxahachie Independent School District will be interviewed to see how this grant may continue to enhance our relationship with the WISD K-12 schools. Along with the WISD technology personnel, contact will be made with Ellis and Dallas County schools in order to determine what technology is prevalent in the K-12 schools in those districts.)*


The Texas Education Department Technology Applications Standards for All Beginning Teachers will be referenced to determine what technology should be included in the lab to meet the standards.

All university faculty will be provided training in this instructional lab so they can model teaching with technology for education students. E-rooms, equipped with a PC, data projection device and internet connectivity, will have technology available that is similar to that in the education instructional lab so that all SAGU faculty may model integrating technology in  instruction in the classroom setting.

Duration of the Project

The project will be implemented over a three-year period. Goals for each year of implementation are as follows:

Year 1	Ready the facility – network and electrical wiring Purchase PCs, server, network components Purchase lab carrels and chairs Install the hardware Install software needed for Technology & Teaching course to meet Department of Education New Teacher Technology Standards
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	<p>Interview/Survey technology personnel from area schools to determine list of prevalent software</p> <p>Test equipment and software to ensure it is fully operational</p> <p>Evaluate project to date. Use evaluations to prepare for next project year.</p>
Year 2	<p>Train Education Faculty in use of lab technology</p> <p>Teach Technology & Teaching Course in the Lab</p> <p>Troubleshoot technical issues</p> <p>Purchase prevalent software in content areas</p> <p>End of year 2 – mirror the E-room PCs used by all faculty to the lab PCs so faculty can model use of the technology in their classes.</p> <p>Develop lab use policy.</p> <p>Hire/Train lab assistant (not included in monies provided by grant)</p> <p>Evaluate project</p>
Year 3	<p>Schedule additional education courses in the Lab</p> <p>Train university faculty on use of equipment.</p> <p>Ready the lab for students to use outside of class instruction.</p> <p>Evaluate project </p>

Budget summary for the project


(A formal budget for the project/grant will be developed after final selection of technology is made in consultation with Director for Information Technologies, Technology Planning Committee, Education Department and Instruction Specialist. The detailed budget will depend on both the technology implemented and the brand of technology. Lab Carrels and chairs will be researched with the University’s source. Costs not provided at this time.)

See next section for breakdown of budget items and costs)

Hardware	\$70,200
Software	5,000
Maintenance	2,000
Projector bulbs, toner, memory sticks, etc.	
Training Stipends	<u>1,500</u>
Total	\$78,700

Equipment list with costs grouped by phase

The Instruction Specialist will research local K-12 schools to compile a complete list of technology hardware and software to be included in this pre-proposal. The technology will include hardware and software needed to meet the Technology Application Standards for All Beginning Teachers. (The Director for Information Technologies at SAGU will be contacted to discuss current University standards of equipment to be considered as well as site licenses that may be used in the lab.)

Year 1	Hardware (minimum specifications shown):	
	31 DELL 360 PCs w/ZIP, DVD/CD-RW drives and burners (30-student, 1-teacher)	\$62,000.00
	Server and network components	5,000.00
	Laser Printer	2,000.00
	Data projector	3,000.00
	Digital  hera	300.00
	Mini-DVD Camcorder	400.00
	Scanner	100.00
	Software:	
	GradeQuick gradebook software (site license already available)	(site license available)
	MS Office (site license already available)	(site license available)
	WebCT (site license already available)	(site license available)
	HyperStudio	\$1,500.00
	KidPix	\$1,500.00
Year 2	Hardware:	
Digital Cameras (2)	600.00	
Video Camera (2)	900.00	

Year 3	Software: Video and CD Production Software	2,000.00

Project Director

The Instruction Specialist for Southwestern Assemblies of God University will take the leadership role in the implementation of this grant. She will be assisted by education faculty selected by the Chair of the Education Department. The Specialist will liaison to the University's Vice President for Academics and will confer with faculty, the Director of Information Technologies, and the Technology Planning Committee. The Instruction Specialist will work with the Technology Planning Committee on a monthly basis to address problem solving and implementation issues.

The Instruction Specialist will work the technology into her teaching of the Technology and Teaching course as the technology grant is implemented. Concurrently, she will hold training sessions with faculty so they can model its use in their course instruction.

Personnel support for the project

The Instruction Specialist has two support persons working under her supervision. The support personnel will assist in implementing the project along with the Technology Planning Committee.

University Maintenance Department personnel will be scheduled to complete work related to electrical and network wiring. Information Technologies Department personnel will assist with software installation.

Sources for matching funds or in-kind contributions.

Matching funds will be raised by a school fund raiser and line item money from the University budget.

Performance measures.

Teacher education students will be assessed before and after the Technology and Teaching course to measure their success in meeting the technology standards.

Students will complete a written evaluation which reflects on their experiences in the use of the lab hardware and software for the purpose of improving the project as it progresses.

At the end of each semester and project year, the Instruction Specialist and Technology Planning Committee will review survey data as well as student products to evaluate the successes and the weaknesses of the project. The results of this evaluation will be incorporated into the planning of the next phase of the project.

Graduates will be surveyed at the close of their education program regarding their sense of preparedness in integrating instruction in their K-12 classroom.