

Denison Middle School, Winter Haven, FL

TECH PD

Grant Proposal for Technology Professional Development for Teachers.

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Overview

The Technology Committee of Denison Middle School will develop a system to provide asynchronous professional development for teachers to foster tech-savvy classrooms.

Needs Assessment

- Denison Middle School teachers have an insufficient amount of time for collective professional development.
- Professional development demands for the teaching staff have tripled due to district demands for improvement.
- Teachers have 300 hours of planning where only 60 minutes per week may be devoted to professional development during the school week.
- County professional development is sporadic, requires driving of great distances to attend, and may cause teachers to miss instructional time.
- With the inundation of new technology hardware packages in the classroom, teachers have little time to learn how to use these technologies and lack the skills to employ them effectively.

Denison Middle School teachers need a system that will provide professional development (PD) that will allow them to immigrant into the global society and foster technology savvy behavior in the classroom

Target Learners

- 67 teachers with an average of 15 years experience.
- All teachers have passed the County's Technology Proficiency Test
- Each teacher have received technology packages that include Smart board, LCD projector, Light Speed Sound, Slate, document camera and Google Apps server access.

Proposal

The grant proposal is to request funding for the development of an asynchronous professional development program for Denison Middle School teacher. The request is designed to seek funding for platform development, staffing, and design and delivery of course content and the necessary facilitation to ensure success.

Proposed Distance Learning Component

A series of professional development sessions will be designed and provided asynchronously to teachers through the Moodle platform.

Teachers will register and complete sessions and follow-up to meet professional development requirements. The system success will be assessed through a multi-level evaluation process.

Grant Proposal

The grant is designed to provide:

- One new full time staff member—the Technology Facilitator—who will administrate the daily functions of the program. (Funding for this hire to come from Title I mandate.)
- Programming of courseware and system development.
- One server in which to store the system.
- System training for course developers.
- Development of course materials and instructional design of courses.
- User support.

Methodology --by committee

Under the direction of the technology facilitator, the technology committee will design a system to be delivered on the Moodle platform.

- The **technology facilitator** will create a registration system, plan tech support, manage resource delivery, organize delivery, collect and collate data, and report follow up to necessary agencies.
- The **technology coaches** will create resources and course content, and provide the instructional role.
- The **media specialist** will provide user interface support, curriculum integration support, and serve as copyright advisor.
- The **network manager** will provide technical support.

Evaluation

■ Faculty

- Technology Integration Matrix (TIM)
- Focus Group

■ Students

- Likert Scale Opinion Survey about Teacher Performance

■ Administrators

- Performance rating of teachers

■ Statistical Software

- Usage Statistics

Budget-----total cost \$41,988

| WBS # | Work breakdown structure (WBS) elements | Knowledge/Skill | Facilities | Equipment | Materials | Special Resource | Resource Cost total | Notes |
|-------|---|-----------------------------------|-------------------------|--------------------------------------|-----------------------------------|-----------------------------|--|-----------------------------|
| 1 | System Designed | Person -- days | | | | | person - days x rate = cost | |
| | 1.1 Information Flow Defined | Systems Analysis 10 | | | | | 10 x \$270 = \$2,700 | |
| | 1.2 Software Requirements | System Analysis 2 | | | | | 2 x \$270 = \$540 | |
| | 1.3 Hardware Requirements | System Analysis 1 | | | | | 1 x \$270 = \$270 | |
| 2 | Development of Moodle Courseware | | | | | | | |
| | 2.1 System flow charts Prepared | Systems Analysis 5 | | | | | 5 x \$270 = \$1,350 | |
| | 2.2 Courseware program modified | Programming 10 | | | | | 10 x \$230 = \$2,300 | |
| 3 | Server and Courseware Purchase | | | | | | | |
| | 3.1 Vendor Selected | System Analysis 1 | | | | Courseware \$10,000 | 1 x \$270 = \$270 | Sub Total \$10,270 |
| | 3.2 Purchase Order Processed | Purchasing 1 | | | | | 1 x \$116 = \$116 | |
| | 3.3 Access Received | Receiving 1 | | | | | 1 x \$116 = \$116 | |
| 4 | System Staffed | | | | | | | |
| | 4.1 Personnel Assignments Determined | Personnel Analysis 2 | | | | | 2 x \$230 = \$460 | |
| | 4.2 Technology Facilitator Hired | Personnel Analysis 5 | | | | | 5 x \$230 = \$1,150 | |
| | 4.3 In school Staff Duties Determined | Personnel Analysis 2 | | | | | 2 x \$230 = \$460 | |
| | 4.4 Training on System conducted | Teaching 3 Technical Writing 3 | *Media Center --no cost | *Computer Hardware--existing-no cost | User Manuals 10 sets \$20 = \$200 | 9 Trainees (27 Person Days) | 3 x \$192 = \$576 3 x \$192 = \$576 27 x 160 = \$4,320 | Sub Total \$5672.00 |
| 5 | Course Development | | | | | | | |
| | 5.1 Develop Online Course Materials | Instructional Design 60 | | | | | 60 x \$160 = \$3,600 | |
| | 5.2 Repurpose Existing Materials | Instructional Design 15 | | | | | 15 x \$160 = \$2,400 | |
| 6 | Implementation Phase | | | | | | | |
| | 6.1 Introduction | Teaching 2 | *Media Center --no cost | *Computer Hardware--existing-no cost | | | 2 x \$192 = \$384 | |
| | 6.2 User Support | Network Manager 15 | | | | | 15 x \$160 = \$4,400 | |
| | | | | | | | | |
| | | | | | | | | Total Program Cost \$41,988 |

Summary

Our vision is to provide teachers with the knowledge and skills necessary to use the technology in the classroom and to foster tech-savvy behavior in students that will lead students to use 21st century skills and become members of the global society.