Adv Tech 2010-11

ATD - Computer based training and on-line improvements #2

Summary:

Explore the feasibility of using on-line virtual trainers for basic electricity and basic hydraulics. These programs would be used in several of our programs to enhance classroom lectures and allow students to accomplish hands-on training over the internet. This would greatly enhance on-line class capability and allow course connections with high schools.

Description

Computer Based training and on-line training for hands on programs. Electronics, Diesel, Automotive, RTEC. Purchase site licenses and programming for a virtual hydraulic and virtual electrical trainers.

Questions and Answers

How is the initiative linked to the Unit Plans most recently submitted?

1. **How does it continue the achievement of those goals?**
2. **If this is a continuation of an initiative started last year, make sure that relationship is clear.**

How is this initiative linked to the efficiencies and productivities plans you had last year?

1. **How does it continue the achievement of these plans?**
2. **If this is a continuation of an efficiency or productivity plan started last year, make sure that relationship is clear.**

Allows the ability to create complete on-line classes without having to use hybrid classes where students need to come to the campus. Makes on-line and classroom training more robust and flexible. Also saves instructor time.
Increases efficiency and sustainability of programs

Describe the resources needed:

Software and 30 site licenses for virtual hydraulics training $12,000
Software and 30 site licenses for virtual electricity training $24,000
Total $36,000 funded through Perkins.

What specific measurable program outcomes do you expect to achieve with this initiative? The outcomes should be specific enough to be measurable. Also, outline the method that will be used to determine the results.

Fewer labs needed for electronics program.

Department Priority:

13

Unit Resources:

There are no unit resources available.

Funding Request: Carl Perkins

Is this a Career & Technical Education program approved by the state and offered through Lane for credit?

Yes

If not a Career & Technical Education program, does your request provide considerable support for students enrolled in these programs?

Yes

Do you have an advisory committee that meets 2-3 times per year?

Yes

If request is for personnel, will funds be used to replace an existing position?

How will funding this initiative increase or sustain the academic achievement and technical skills attainment (GPA of 2.0 or better) of Career and Technical Education students?

Allows for self paced study of electricity and hydraulics. Can be used in the RTEC program to enhance student skills prior to entering a degree program.

How will funding this initiative increase or sustain the number of CTE students that graduate or receive a one year certificate from Lane and help prepare the students for employment?

Will make on-line classes better for students and not require them to come on campus for the basic hydraulic and electricity labs. These two areas are in many of the ATD programs including, Automotive, Diesel, Electronics, Drafting, Auto Body and Paint, etc.

EQUIPMENT $

COMPUTER HARDWARE $

COMPUTER SOFTWARE $

36000

MATERIALS & SUPPLIES $

CURRICULUM DEVELOPMENT (Hours)

PART-TIME FACULTY $

TIMESHEET STAFF $

TRAVEL $

Can this initiative be partially funded?

Yes

EQUIPMENT $

(E) Explanation of effect of partial funding:

COMPUTER HARDWARE $

(CH) Explanation of effect of partial funding:

COMPUTER SOFTWARE $

24000

(CS) Explanation of effect of partial funding:

Software and 30 site licenses for virtual hydraulics training $12,000
Software and 30 site licenses for virtual electricity training $24,000
Electricity training purchases and virtual hydraulics training withheld.

MATERIALS & SUPPLIES $

(MS) Explanation of effect of partial funding:

CURRICULUM DEVELOPMENT (HOURS)

(CD) Explanation of effect of partial funding:

PART-TIME FACULTY $

(PF) Explanation of effect of partial funding:

TIMESHEET STAFF $

(TS) Explanation of effect of partial funding:

TRAVEL $

(T) Explanation of effect of partial funding:

Funding Request: Curriculum Development

Funding Request: Technology Fee

1. Category of request

- **Maintain existing technology**
- **Increase student access to technology**
- **New technology**

Please type in the category of the request in the field below.

New technology

2. Campus location

- **Main Campus**
- **Downtown Center**
- **Florence**
- **Cottage Grove**
- **CLC (list specific locations)**

Please type in the location of the request in the field below.

Main Campus

3. Names of the person(s) with more information (if needed):

Paul Croker 463-5710

4a. Budget ORGN

611001

4b. Budget PROG

112000

5.How many students will benefit per year?

256 students

6. Describe the benefit?

Allows the ability to create complete on-line classes without having to use hybrid classes where students need to come to the campus.

Makes on-line and classroom training more robust and flexible. Also saves instructor time.

Explore the feasibility of using on-line virtual trainers for basic electricity and basic hydraulics. These programs would be used in several of our programs to enhance classroom lectures and allow students to accomplish hands-on training over the internet. This would greatly enhance on-line class capability and allow course connections with high schools.

COMPUTER HARDWARE $

COMPUTER SOFTWARE $

36000

STAFFING $

INSTALLATION $

LICENSING $

Can this initiative be partially funded?

Yes

COMPUTER HARDWARE $

(CH) Explanation of effect of partial funding:

COMPUTER SOFTWARE $

24000

(CS) Explanation of effect of partial funding:

Purchase software and 30 site licenses for virtual electricity training $24,000, move to the following years initiative of purchasing software and 30 site licenses for virtual hydraulics training $12,000.

STAFFING $

(S) Explanation of effect of partial funding:

INSTALLATION $

(I) Explanation of effect of partial funding:

LICENSING $

(L) Explanation of effect of partial funding: