

Adv Tech 2010-11

Drafting -Touch Screens - #4

Summary:

Purchase two Hitachi touch screens for instructor use in CAD classrooms.

Description

Purchase two Hitachi Starboard T17SXLG interactive pen LCD displays, one for each of two CAD computer labs, at a cost of approximately \$1750 each. These screens will allow instructors to add annotations directly on top of content and presentation materials, and to save, print, and share these annotations with students.

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.**

In every unit plan, our focus is to keep our curriculum and technology consistent with current industry practices. This initiative was submitted last year but unfunded. It is critical that a program teaching computer technology remain current and relevant. Therefore this initiative is linked to every unit plan we have submitted.

Describe the resources needed:

Computer Hardware

*2 Pen display screens (\$1,750 each)

Request: Carl Perkins (CH) \$3,500

Request: Technology Fee (CH) \$3,500

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.

Drafting instructors present all course content through an LCD projector and computer, or via distance learning over the Internet, using software demonstrations and PowerPoint shows. Currently instructors must provide commentary either by drawing manually on a whiteboard, which must then be erased, or primarily by lecturing verbally, which does not suit all learning styles. This display screen will allow learning to be interactive instead of passive, to be adapted to avenues of inquiry in real-time, and then to be shared with students for later review.

Department Priority:

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Unit Resources:

There are no unit resources available, beyond facilitating installation and brief instructor training on the new equipment.

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?

Students will be able to see questions answered and discussion topics elaborated in real-time and using graphics as well as words. This initiative supports the pedagogical philosophy, Show, don't just tell. Instructors will be able to save and print graphic records of class discussions which students can review whenever they like..

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?

This technology will prepare the students for job placement in the community by teaching them the most up-to-date application among industry standards. The program needs to maintain its existing learning environment. This is an effective way to teach all students to prepare them for employment.

This screen allows you to enter your funding request from Carl Perkins. This should replicate the information you provided in the narrative of your initiative where you requested resources. In that section, you gave an itemized list of specific requests and this is where you will aggregate those specific dollar requests by category. Use the 'INSTRUCTION' button to see an example.

EQUIPMENT \$

3500

COMPUTER HARDWARE \$

COMPUTER SOFTWARE \$

MATERIALS & SUPPLIES \$

CURRICULUM DEVELOPMENT (Hours)

PART-TIME FACULTY \$

TIMESHEET STAFF \$

TRAVEL \$

Can this initiative be partially funded?

Yes

EQUIPMENT \$

1750

(E) Explanation of effect of partial funding:

Yes. We could install a touch screen unit in only one of the two CAD computer lab classrooms. It would cause frustration for students and instructors when using the lab without the display

COMPUTER HARDWARE \$

(CH) Explanation of effect of partial funding:

COMPUTER SOFTWARE \$

(CS) Explanation of effect of partial funding:

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