

Adv Tech 2011-12

Automotive - #3 - Scan tools, Multi Meters and Oscilloscopes

Summary:

This is a continuation of this year and last year goal which is to provide advanced technical training center/ technical school by providing students with the latest technology and equipment. Replace or repair electrical test equipment. Most of the electrical test equipment that is used every day is out of date, in need of maintenance or in need of replacement. Money is needed to replace or repair the Auto Departments Scan tools, Multi Meters and Oscilloscopes. Purchase a subscription to TIS Toyota Informational Systems which will allow us to download and update with the most current computer reprograms for 4 of our vehicles and 3 of our scan tools as which is necessary to keep the technology in both the tools and the vehicles current.

Description

Electrical test equipment is used every day, by every student and because of the complexity of today's vehicle electrical systems it is a necessity that our equipment be of the highest level of condition and quality. Much of our equipment is out of date, in need of repair or in need of replacement.

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.

By providing students with the latest technology and equipment (Electrical Test Equipment) and insuring there is enough of that equipment that every student is exposed to its functions and uses in a sufficient manner.

This is a continuation of last years goals but a new initiative for this year.

The more quality working test equipment we have available to the students, the more efficient the program will operate. Students will not have their daily activities and schedule dictated by test equipment availability and functionality. By providing an educational environment that is dependable and functional, the program can sustain its mission to prepare students for employment.

This is a continuation of Priority #1 which is to provide an advanced technical training center that will expose our students to the latest equipment and technology available. This will increase overall efficiency decreasing down time caused by lack of useable resources.

Describe the resources needed:

The Automotive Program would like \$10,000 for purchasing Electrical test equipment. The Carl Perkins fund would be the source for this initiative.

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.

An increase in instructor availability and student efficiency would be difficult to quantify, however, if instructor time is not divided between teaching and machine maintenance improved educational outcomes can be expected. As the equipment continues to degrade more and more time from the instructors is being dedicated to repairing and maintaining equipment rather than class preparation.

Department Priority:

17

Unit Resources:

\$10,000

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?

The initiative seeks to provide current technology in sufficient quantity to sustain the current level of training for living wage jobs.

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 initiative requests funding to maintain degrading electrical equipment and to replace the out of date equipment completely. By providing an educational environment that is dependably functional the program can sustain its mission to prepare students for employment.

EQUIPMENT \$

9300

COMPUTER HARDWARE \$

COMPUTER SOFTWARE \$

900

MATERIALS & SUPPLIES \$

CURRICULUM DEVELOPMENT (Hours)

PART-TIME FACULTY \$

TIMESHEET STAFF \$

TRAVEL \$

Can this initiative be partially funded?

No

EQUIPMENT \$

(E) Explanation of effect of partial funding:

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](#)