

Adv Tech 2010-11

Lane Aviation Academy – Flight Technology - Aircraft Replacement - #4

Summary:

This replaces 2 of our aircraft that are worn out and are also too small for the size of current students. It does so efficiently by replacing them with quality used aircraft. Warriors are less expensive to maintain and operate than Cessna 152s.

Description

Our aircraft are our classrooms. Many of our aircraft have been used for 10,000 hours or more. They are worn out. Furthermore, most students are larger now than when the Cessna 152s were designed. In many cases students cannot fly in Cessna 152s without the plane going over maximum allowed weight. This is both a safety and a legal issue. To replace aircraft with new ones would cost hundreds of thousands of dollars each. We propose selling 2 of our 152s and replacing them with low time, good quality used Piper Warriors. Our estimate is that we can do these replacements for a total net cost of \$40,000.00. (Note: if we are able to accomplish Initiative #1 quickly, this initiative would not be needed. (Initiative #1 may well not be possible, so this one is needed.)

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.**

Yes, last year we applied for funding for upgrades to aircraft and were not granted any funding. The goal is the same: upgrade to our 'classrooms.'

This is for the same purpose, but is a better solution. The need for, and benefit of upgrade to aircraft remains the same. The plans were deferred for lack of funding. The plan is the same.

Describe the resources needed:

Equipment

- 2 Aircraft (\$20,000 each)

Request: Carl Perkins (EQP) \$40,000

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.

More students will be able to fit (size and weight) in our aircraft. Newer aircraft will save the department money by costing less in maintenance. Potential students will choose Lane instead of other options, when they know we have aircraft that are not worn out.

Department Priority:

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Unit Resources:

There are no unit resources available to purchase 2 aircraft. Offsetting the cost of 2 new aircraft with the sale of 2 existing aircraft is estimated to cost \$20,000.00 per aircraft.

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 in this technical field will have more appropriate aircraft available to them on a more consistent basis, providing for more dependable flight schedules and facilitating the completion of their certification in a more timely manner.

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?

We have a constant shortage of Warriors for our students' flight lessons. Their inability to fly all of their flight slots delays completion of the program, costs the students more money, and delays their availability to the work force. We lose some students who become frustrated with aircraft unavailability. Funding this initiative sustains number of CTE students who graduate from the program.

EQUIPMENT \$

40000

COMPUTER HARDWARE \$

COMPUTER SOFTWARE \$

MATERIALS & SUPPLIES \$

CURRICULUM DEVELOPMENT (Hours)

PART-TIME FACULTY \$

TIMESHEET STAFF \$

TRAVEL \$

Can this initiative be partially funded?

Yes

EQUIPMENT \$

20000

(E) Explanation of effect of partial funding:

We would be able to acquire one instead of two aircraft.

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