Social Science 2011-12
GIS Program to purchase 24 GPS Units

Summary:

GIS program needs 24 GPS units for data collection.

Description

We would like to purchase 24 current model GPS units for student data collection. The units are Garmin eTrex Legend units. The units have base map capabilities and data is easily integrated with the GIS software students use.

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.**

The purchase of current issue GPS units will provide students with recent software and hardware for GIS data collection. Mobile data collection in a critical trend in geospatial careers.

Describe the resources needed:

24 GPS Units (24 units * $130.00 = $3120.00):

Request: Carl Perkins (M&S) $3,120

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.

- Students will be able to collect field data and import these data into GIS projects for mapping and analysis.

Department Priority:

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Unit Resources:

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 collect field data and import these data into GIS projects for mapping and analysis.

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?

Access to these GPS units will engage students in real-world data collection.

EQUIPMENT $

3120.00

COMPUTER HARDWARE $

COMPUTER SOFTWARE $

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