



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2020-2021

LFIR # 1513

1. **Project Title**
2. **Senate Sponsor**
3. **Date of Request**

4. **Project/Program Description**

The Calculus Project is designed to increase the number of students, including those traditionally-underrepresented, who enroll in and successfully complete Advanced Placement (AP) Calculus. A Community Engagement Liaison in partnership with the University of Central Florida (UCF); science, technology, engineering and mathematics (STEM) businesses; and industry partners (i.e., National Guard of Florida, NASA and Lockheed Martin) propose to provide: (1) weekly speakers in support of STARBASE.; (2) professional development for a total of eight STEM teachers from Evans, Jones, Oak Ridge and Wekiva high schools, and Meadowbrook, Carver, Walker and Piedmont Lakes middle schools; and (3) STEM activities for students to include mentoring programs and internships, and engagement in activities such as coding and game development.

5. **State Agency to receive requested funds**
- State Agency contacted? Yes No

6. **Amount of the Nonrecurring Request for Fiscal Year 2020-2021**

Type of Funding	Amount
Operations	<input style="width: 80%;" type="text" value="250,000"/>
Fixed Capital Outlay	<input style="width: 80%;" type="text" value="000"/>
Total State Funds Requested	250,000

7. **Total Project Cost for Fiscal Year 2020-2021 (including matching funds available for this project)**

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	<input style="width: 80%;" type="text" value="250000"/>	<input style="width: 80%;" type="text" value="100.0"/> %
Matching Funds		
Federal	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
State (excluding the amount of this request)	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
Local	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
Other	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
Total Project Costs for Fiscal Year 2020-2021	250,000	100 %

8. **Has this project previously received state funding?** Yes No
- If yes, provide the most recent instance:

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		
<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>

9. **Is future-year funding likely to be requested?** Yes No
- If yes, indicate nonrecurring amount per year.



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10. Details on how the requested state funds will be expended

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		
Other Salary and Benefits	One Parent Engagement Liaison (\$45,000) One Community Engagement Liaison (\$45,000)	90,000
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study		
Operational Costs: Other		
Salary and Benefits	Teacher hourly pay and fringe benefits for work beyond regular school hours. Teacher will present professional development (PD) or attend PD, support curriculum development and plan STEM activities.	40,000
Expense/Equipment/Travel/Supplies/Other	Appropriation resources will be utilized for expense equipment, travel and supplies critical to accomplishing essential needs of the program	80,000
Consultants/Contracted Services/Study	Consultants will support the Calculus Project expansion	40,000
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		
Total State Funds Requested (must equal total from question #6)		250,000



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11. Program Performance

- a. What specific purpose or goal will be achieved by the funds requested?

Goal: Develop partnerships to improve student learning tied to STEM.
Goal: Improve student knowledge in the area of STEM.
Goal: Support for STARBASE mentoring that will lead to student academic gains in math and science.

- b. What activities and services will be provided to meet the intended purpose of these funds?

Activity: Provide professional development for a total of eight STEM teachers from Evans, Jones, Oak Ridge and Wekiva high schools, and Meadowbrook, Carver, Walker and Piedmont Lakes middle schools.
Activity: Offer students opportunities to participate in STEM activities, mentoring programs and internships, and engage in activities, such as coding and game development.
STARBASE curriculum is STEM-based and aligned with state standards, engaging students through hands-on experiential activities.

- c. What direct services will be provided to citizens by the appropriation project?

The Calculus Project offers parent engagement, teacher STEM professional development, engaging student hands-on, real world activities, mentoring opportunities and internships. STARBASE provides innovative, educational outreach programs focusing on STEM, goal setting, teamwork, and STEM career skill awareness.

- d. Who is the target population served by this project? How many individuals are expected to be served?

At-risk youth/middle and high school students.

An estimated 200 - 400 students will be served.

- e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?

To improve quality of education by collecting and preparing a variety of data about student learning through real world applications of math and science.

Interpret data and develop hypotheses about how to improve student learning and modify instruction to test hypotheses and increase student learning.

- f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for in the contract?

There are no recommended penalties beyond the standard penalties provided in the contract.



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12. **The owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.**

not applicable

13. **Requestor Contact Information**

- a. First Name Last Name
- b. Organization
- c. E-mail Address
- d. Phone Number Ext.

14. **Recipient Contact Information**

- a. Organization
- b. Municipality and County
- c. Organization Type
- For-profit Entity
 - Non-Profit 501(c) (3)
 - Non-Profit 501(c) (4)
 - Local Entity
 - University or College
 - Other (please specify)
- d. First Name Last Name
- e. E-mail Address
- f. Phone Number

15. **Lobbyist Contact Information**

- a. Name
- b. Firm Name
- c. E-mail Address
- d. Phone Number Ext.