



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2019-2020

LFIR#: 1980

1. Title of Project: Orange County Public Schools (OCPS) Calculus Project and Starbase Mentoring and Science, Technology, Engineering and Mathematics (STEM) Academy

2. Senate Sponsor: Randolph Bracy

3. Date of Submission: 02/19/2019

4. Project/Program Description:

The OCPS Calculus Project is a collaborative effort between the Orange County Public Schools Calculus Project and the StarBase Mentoring STEM program. The program will involve minority students in mentoring and internships in STEM related careers. The program will provide hands on experience with governmental, educational outreach and community STEM based programs to teach professional development.

5. State Agency to receive requested funds : Department of Education

State Agency Contacted? No

6. Amount of the Nonrecurring Request for Fiscal Year 2019-2020

| Type of Funding | Amount |
|------------------------------------|----------------|
| Operations | 250,000 |
| Fixed Capital Outlay | |
| Total State Funds Requested | 250,000 |

7. Total Project Cost for Fiscal Year 2019-2020 (including matching funds available for this project)

| Type of Funding | Amount | Percent |
|--|----------------|---------------|
| Total State Funds Requested (from question #6) | 250,000 | 100.00% |
| Federal | 0 | 0.00% |
| State (excluding the amount of this request) | 0 | 0.00% |
| Local | 0 | 0.00% |
| Other | 0 | 0.00% |
| Total Project Costs for Fiscal Year 2019-2020 | 250,000 | 100.0% |

8. Has this project previously received state funding? No

| Fiscal Year (yyyy-yy) | Amount | | Specific Appropriation # | Vetoed |
|--------------------------|-----------|--------------|-----------------------------|--------|
| | Recurring | NonRecurring | | |
| | | | | |

9. Is future-year funding likely to be requested? Yes

a. If yes, indicate non-recurring amount per year. 250,000

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



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| Spending Category | Description | Amount |
|--|--|----------------|
| Administrative Costs: | | |
| Executive Director/Project Head Salary and Benefits | | |
| Other Salary and Benefits | Parent Engagement Liaison (\$45,000) Community Engagement Liaison (\$45,000) | 90,000 |
| Expense/Equipment/Travel/Supplies/Other | | |
| Consultants/Contracted Services/Study | | |
| Operational Costs: | | |
| Salary and Benefits | Teacher hourly pay and fringe benefits for work beyond regular to present or attend professional development, 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 and bring STEM expertise to professional development, curriculum development and program activities. | 40,000 |
| Fixed Capital Construction/Major Renovation: | | |
| Construction/Renovation/Land/Planning Engineering | | |
| Total State Funds Requested (must equal total from question #6) | | 250,000 |

11. Program Performance:

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

Funding will support expansion and enhancement of the OCPS Calculus Project in collaboration with the Starbase Mentoring and STEM Academy. The Calculus Project is designed to increase the number of students, including traditionally-underrepresented students, who enroll in and successfully complete AP Calculus. Parents, teachers, students and the community will work collaboratively to involve minority students in mentoring and internships to generate increased interest in STEM-related careers.

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

Calculus Project activities will include 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. Students will 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. Parent and community engagement are integral.

c. What are the direct services to be provided to citizens by the appropriations project?



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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 awareness.

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

At-risk youth, grade school students, and high school students. 201-400 individuals are expected to be served.

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

Improve the quality of education. Collect and prepare a variety of data about student learning through real world applications of math and science. The calculus project maintains specific indicators of progress for participating students. The method would be interpreting data and develop a hypothesis 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?

Funds will be withheld until compliance

12. The owner(s) of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owner(s) of the facility and the entity.

N/A

13. Requestor Contact Information:

- a. **Name:** Deborah Pedraza
- b. **Organization:** Foundation for Orange County Public Schools
- c. **E-mail Address:** deborah.pedraza@ocps.net
- d. **Phone Number:** (407)317-3261

14. Recipient Contact Information:

- a. **Organization:** Foundation for Orange County Public Schools
- b. **County:** Orange
- c. **Organization Type:**
 - For Profit
 - Non Profit 501(c) (3)
 - Non Profit 501(c) (4)
 - Local Entity
 - University or College
 - Other (Please specify)
- d. **Contact Name:** James Lawson
- e. **E-mail Address:** james.lawson@ocps.net
- f. **Phone Number:** (407)317-3200



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15. Lobbyist Contact Information

- a. **Name:** Codeye Woody, Director
- b. **Firm Name:** Orange County Public Schools Legislative and Congressional Relations
- c. **E-mail Address:** codeye.woody@ocps.net
- d. **Phone Number:** (352)870-8834