



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2019-2020

LFIR#: 2248

1. **Title of Project:** Central Florida Mobile STEM Lab

2. **Senate Sponsor:** Linda Stewart

3. **Date of Submission:** 03/05/2019

4. **Project/Program Description:**

Central Florida Mobile STEM Lab program is an effort to help Florida educators prepare students for jobs of the 21st century filling Florida's growing need for a STEM-skilled workforce. The mobile lab is a traveling digital and fabrication lab space with modern equipment to facilitate accessible STEM opportunities at schools. OSC will provide STEM-focused TPD for up to 225 teachers across 9 counties and in-class workshops for students. The mobile lab, TPD and in-class workshops introduces teachers to STEM-focused learning strategies and provides in-class workshops for students from Central Florida and rural school districts that are frequently underserved and underrepresented. By bringing the Mobile STEM Lab to these populations, we will reduce barriers to access and create opportunity where it may not otherwise exist. This program will offer knowledge of core teaching practices to broaden participation and motivate students to continue their STEM education after high school.

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	258,001
Fixed Capital Outlay	287,000
Total State Funds Requested	545,001

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)	545,001	100.0%
Federal	0	0.0%
State (excluding the amount of this request)	0	0.0%
Local	0	0.0%
Other	0	0.0%
Total Project Costs for Fiscal Year 2019-2020	545,001	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?** No



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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	VP of Education will plan and develop program content and materials, steward school district relations, coordinate and supervise staff involved with the program, and evaluate the program outcomes.	6,110
Other Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other	Travel for 4 OSC staff to receive 5-day safety, operational, technical, and program training for Mobile Fab Lab. Per diem and lodging rates are based on GSA.org allowances.	4,126
Consultants/Contracted Services/Study		
Operational Costs:		
Salary and Benefits	Salaries and benefits for a total of 1 OSC Reservations Manager to plan and coordinate program delivery with school districts and 2 OSC Educators to administer and collect data for: - 9 teacher professional development workshops for 225 teacher participants across 9 school districts for 2019-2020. - 27 in-classroom workshops across 9 school districts for 2019-2020	202,190
Expense/Equipment/Travel/Supplies/Other	Travel costs, supplies, consumables (ex. filament, wood), and school district substitute fees.	45,575
Consultants/Contracted Services/Study		
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	Mobile Fab Lab	287,000
Total State Funds Requested (must equal total from question #6)		545,001

11. Program Performance:

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

Up to 225 teachers who complete the Mobile STEM Lab professional development training will be prepared to confidently teach STEM-based learning activities to diverse students at their schools during the 2019-2020 academic year. Because there are no prerequisites required for makerspace workshops, more girls and underrepresented minorities will be introduced to STEM concepts and 21st century skills, broadening participation.

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

Orlando Science Center's Central Florida Mobile STEM Lab program will provide approximately 9 STEM-based professional development training and 27 in-class workshops for students across 9 school districts. It introduces teachers to STEM learning concepts and core teaching practices in STEM/makerspace curriculum. The Central Florida Mobile STEM Lab will prepare teachers to effectively facilitate STEM-based education activities, inspire



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elementary through high school students in Central Florida and rural school districts, increase diversity, and help fill over 70,000 STEM industry jobs in the state of Florida.

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

Teachers will receive excellent STEM-focused professional development training. They will be prepared to use project-based and/or portfolio based assessments.

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

Teachers from participating school districts and ultimately students in Central Florida and rural K-12 schools.

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

225 teachers to complete STEM-based professional development training and be prepared to effectively incorporate STEM-based education activities in curricula for their students at their schools for the 2019-2020 academic year. Outcomes will be assessed based on their teacher and content knowledge growth as shown on participation surveys. Orlando Science Center staff will assess teachers participating in the training workshops. Surveys of school districts administering STEM learning programs and total students served.

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?

OSC will furnish reports to describe project progress during the period of performance. Any unused funds will be returned to the State of Florida.

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.

Orlando Science Center is the single/sole owner and entity that would receive funding for the Mobile Fab Lab.

13. Requestor Contact Information:

- a. Name:** Heather Norton
- b. Organization:** Orlando Science Center
- c. E-mail Address:** hnorton@osc.org
- d. Phone Number:** (407)514-2097

14. Recipient Contact Information:

- a. Organization:** Orlando Science Center
- 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)



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- d. **Contact Name:** Heather Norton
- e. **E-mail Address:** hnorton@osc.org
- f. **Phone Number:** (407)514-2097

15. Lobbyist Contact Information

- a. **Name:** Oscar Anderson
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