



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2020-2021

LFIR # 1143

1. **Project Title** Math Emporium/STEM-Focused Model Funding2. **Senate Sponsor** Dennis Baxley3. **Date of Request** 11/05/20194. **Project/Program Description**

The LSSC Math Emporium is an approach that reduces class lectures and replaces with interactive technology-enhanced classroom featuring online materials and one-on-one assistance from LSSC math professionals. Since the inception of LSSC's Math Emporium, we have enrolled 12,571 students, including 3,939 in MAC 1105 College Algebra. In Fall 2019 alone, 1,261 students are enrolled in a math class taught with the emporium model. With the emporium redesign, the average pass rate in College Algebra grew from 58% to nearly 73%. Prior to the math emporiums, the achievement gap between Black/African American and white student success in College Algebra was 26.2%, yet with the math emporiums there have been recent semesters where the success rate of Black/African American students is greater than that of white students. Students are now more able to successfully move ahead with degrees and certificates in biology, business, chemistry, physics, computer science, engineering, and nursing.

5. **State Agency to receive requested funds** Department of EducationState Agency contacted? ☒ Yes ☐ No6. **Amount of the Nonrecurring Request for Fiscal Year 2020-2021**

Type of Funding	Amount
Operations	300,000
Fixed Capital Outlay	000
<b>Total State Funds Requested</b>	<b>300,000</b>

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)	300000	100.0 %
<b>Matching Funds</b>		
Federal	00	0 %
State (excluding the amount of this request)	00	0 %
Local	00	0 %
Other	00	0 %
<b>Total Project Costs for Fiscal Year 2020-2021</b>	<b>300,000</b>	<b>100 %</b>

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		
2018-19		250,000	126	No

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
<b>Administrative Costs:</b>		
Executive Director/Project Head Salary and Benefits		
Other Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study		
<b>Operational Costs: Other</b>		
Salary and Benefits	Two emporium coordinators (\$110,000), instructional and peer assistants (\$110,000), and RISE Summer Math Academy instruction (\$10,000)	230,000
Expense/Equipment/Travel/Supplies/Other	Supplies, computer equipment, and travel.	70,000
Consultants/Contracted Services/Study		
<b>Fixed Capital Construction/Major Renovation:</b>		
Construction/Renovation/Land/Planning Engineering		
<b>Total State Funds Requested (must equal total from question #6)</b>		300,000



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#### 11. Program Performance

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

The purpose or goal of this funding is to increase success rates in college gateway math courses for both dual enrollment and college students using the emporium model and to increase the college participation rates of the academic middle of rising 11th and 12 grade students in Sumter County. Both of these programs assist those on tracks to earn degrees and credentials in business, nursing, and STEM fields.

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

The services that will be provided are one on one instruction and on demand tutoring in a series of college math courses in our math emporiums on three of LSSC campuses. The funds will also support the award winning RISE Summer Math Academy that has evidence to show those high school students that participate are more than twice as likely to attend college than those in the comparison group.

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

The direct services provided to citizens would be emporium and RISE Summer Math Academy instruction as well as increasing the number of citizens enrolling in business, nursing, and STEM fields which benefit the citizenry of Florida.

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

The college currently supports more than 5,200 Lake-Sumter State College students and 320 Lake Technical College students in fall 2019. In fall 2020, there is a proposed addition of 150 Pinecrest Academy Charter School students.

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

LSSC expects to see an increased number of students successfully completing college gateway math courses taught in the on campus math emporiums which lead to careers in business, nursing, and STEM fields. The college statistician tracks students' success in LSSC math courses and college completion rates. It is anticipated that the participants in the RISE Summer Math Academy will continue to show college participation rates higher than the comparison group and these students' college attendance is tracked using the National Student Clearinghouse data.

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?

If LSSC fails to meet the deliverables or performance measures, it will adversely affect college retention rates, degree or certificate completion rates, and performance funding.



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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.**

Lake-Sumter State College owns the facilities.

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.