



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2020-2021

LFIR # 1082

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

4. **Project/Program Description**

Algebra Nation, an accelerated online mathematics teaching and learning platform, works to significantly improve secondary mathematics achievement for Florida's students. Last year, more than 500,000 students and 20,000 teachers used Algebra Nation. Historically, schools frequently using the platform have demonstrated a 26-point higher Algebra 1 EOC pass rate than schools not using the platform. This funding will provide all students and teachers in public, private, charter, and home schools, with anytime access to digital resources and tools for middle grade math, pre-algebra, algebra 1, geometry, and algebra 2 topics. Further, funding will support the state's transition to a new set of mathematics standards by developing standards-aligned content, video exemplars on effective implementation, and training to help teachers unpack the standards.

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: 100px;" type="text" value="2,650,000"/>
Fixed Capital Outlay	<input style="width: 100px;" type="text" value="000"/>
Total State Funds Requested	2,650,000

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: 100px;" type="text" value="2650000"/>	<input style="width: 50px;" type="text" value="100.0"/> %
Matching Funds		
Federal	<input style="width: 50px;" type="text" value="00"/>	<input style="width: 50px;" type="text" value="0"/> %
State (excluding the amount of this request)	<input style="width: 50px;" type="text" value="00"/>	<input style="width: 50px;" type="text" value="0"/> %
Local	<input style="width: 50px;" type="text" value="00"/>	<input style="width: 50px;" type="text" value="0"/> %
Other	<input style="width: 50px;" type="text" value="00"/>	<input style="width: 50px;" type="text" value="0"/> %
Total Project Costs for Fiscal Year 2020-2021	2,650,000	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: 80px;" type="text" value="2018-19"/>	<input style="width: 80px;" type="text" value="00"/>	<input style="width: 100px;" type="text" value="1,000,000"/>	<input style="width: 50px;" type="text" value="143"/>	<input style="width: 50px;" type="text" value="No"/>

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



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2020-2021

LFIR # 1082

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

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits	Salary and benefits for program coordinator to oversee the development and implementation of proposed activities.	5,000
Other Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study		
Operational Costs: Other		
Salary and Benefits	Salary and benefits for: mathematics education faculty to provide content development and review; implementation support staff to provide professional development, trainings, access and integration support, and communications with teachers, administrators, and other staff; research and evaluation team to collect and analyze impact of Algebra Nation on student achievement	1,000,000
Expense/Equipment/Travel/Supplies/Other	Travel across the state to provide professional development and other support to teachers and students.	145,000
Consultants/Contracted Services/Study	Salaries for implementation of proposed activities, including expansion of middle grades math, integration with private and charter schools, intensive professional development sessions, and standards transition support.	1,500,000
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		
Total State Funds Requested (must equal total from question #6)		2,650,000



The Florida Senate Local Funding Initiative Request Fiscal Year 2020-2021

LFIR # 1082

11. Program Performance

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

Mathematical thinking, including the ability to reason, problem-solve and think critically, is essential for success in school and the modern workforce. Algebra Nation is proven to build students' core mathematical knowledge and skills, as demonstrated by multiple studies. As Florida continues to expand students' options of schools to best meet their needs, Algebra Nation also desires to expand its platform to offer targeted support in middle grade math, pre-algebra, algebra 1, geometry, and algebra 2 to students and teachers in the state, including those in private, charter, and home school settings. With the requested funding, Algebra Nation will be able to offer its online tools and resources, including engaging instructional videos, practice tool with real-time feedback, after-hours online homework help and tutoring, and private teacher area filled with dozens of lesson and activities.

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

Funding will support costs associated with providing digital platform access to all public, private, charter, and home school students and teachers in Florida for 6th, 7th, 8th, algebra 1, geometry, and algebra 2 content, resources, and tools. In addition, Algebra Nation will serve as a leading support in transitioning to the new state standards through targeted professional development for teachers and online resources with content and exemplar pedagogical strategies for standard implementation.

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

Florida's students and teachers, regardless of school, will benefit from free, around-the-clock access to a comprehensive suite of online teaching and learning supports built to improve student understanding and mastery of critical mathematics content. This includes hundreds of engaging instructional videos led by master teachers, thousands of practice questions to track progress with real-time feedback, and live support from experts and peers. In addition, Algebra Nation will incorporate the new mathematics standards in the content and offer targeted professional development to assist middle and high school teachers in making the transition as seamlessly as possible so that focus can be given to empowering students to be successful in mathematics.

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

The target population is 6-12 grade students and teachers from public, private, charter, and home school settings across all 67 Florida counties. This equates to approximately 500,000 students and 30,000 teachers in Florida.

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

Multiple studies have demonstrated Algebra Nation's impact on student achievement in Algebra 1. A recent study shows a 26-point higher average passing rate of the Algebra 1 FSA in public schools that frequently used Algebra Nation (Qui, Y., 2018). Additional studies are planned to analyze the impact of the Algebra Nation platform on student achievement in other courses.

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?

Liquidated damages.



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2020-2021

LFIR # 1082

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.

N/A

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.