



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2020-2021

LFIR # 1664

1. **Project Title** Northeast Florida 21st Century Workforce Development Project2. **Senate Sponsor** Aaron Bean3. **Date of Request** 12/07/20194. **Project/Program Description**

The purpose of this project is to increase access to educational programs to build interest and prerequisite skills for high-demand STEM careers in the 7-county Northeast Florida region. Workforce ready students must have skills that include computer science, coding, math & data science, the roots of AI and machine learning - critical technologies that are rapidly changing the workplace. Programs will be framed to include an aligned progression to build skills over time, assure alignment to state standards and curriculum for ease of integration into the school day, and provide professional development for those leading programs and implementing curricula in school, with a continued focus on capacity building models. Through this project, targeted students will participate in competitive programs such as robotics, cybersecurity, and drones. Collaboration with our corporate community will align efforts to high demand careers. This funding will allow us to scale successful programs.

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	975,000
Fixed Capital Outlay	000
<b>Total State Funds Requested</b>	<b>975,000</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)	975000	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>975,000</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		
2019-20		450,000	113	No

9. **Is future-year funding likely to be requested?** ☒ Yes ☐ No

If yes, indicate nonrecurring amount per year. 975,000



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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		
Expense/Equipment/Travel/Supplies/Other	Curriculum and material to support programs, both in and out of school,, such as robotics, computer science, 3D printing, cybersecurity, drones competitions, HoloLens, Arduino and breadboards, IoT, virtual and mixed reality, and other materials and online resources needed to prepare students for careers in emerging career fields. Travel to student competitions, registration fees for competitive events, workshop supplies,	725,000
Consultants/Contracted Services/Study	Contracted services for program support and professional development for teachers and program providers in targeted STEM fields, such as robotics, computer science, cybersecurity, drones technology, data analytics, mathematics content, machine learning, and other emerging career pathways.	250,000
<b>Fixed Capital Construction/Major Renovation:</b>		
Construction/Renovation/Land/Planning Engineering		
<b>Total State Funds Requested (must equal total from question #6)</b>		975,000



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#### 11. Program Performance

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

Technology and automation are rapidly changing the needs of the workforce and the future of jobs. For Florida to remain economically strong, it is important to align the strategic needs of our workforce with opportunities for our students that foster the development of the required skills along with developing student interest in these career pathways. The overarching goal of this project is to assure that all students in our region have access to aligned programs and experiences that will build both awareness of and preparedness for the opportunities that exist for the high demand STEM jobs of the future.

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

All activities are designed to increase student engagement in STEM while exploring STEM careers and building skills and content knowledge that will prepare them to be college/career ready. All of the work of this project is directly aligned with improving instructional quality through either development of increased content knowledge in the key areas of mathematics, computer science, and science/STEM, and /or those supporting students through these programs. Activities include computer science classes, clubs, and competitions, math competitions developing stronger teachers, summer STEM camps, that increase exposure to cutting edge technologies, such as drones. 3D printing, augmented and virtual reality, and the applications of cybersecurity, artificial intelligence and machine learning, as well as big data.

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

The direct services provided by this project will engage students in programs and activities that will provide them with a pathway to a prosperous economic future for themselves. and our community. This will occur through activities that will increase access to relevant career skills and experiences with technologies, to more highly trained teachers with specialized STEM skills, and with access to technologies that would not be available to them without this project. Students will have access to leadership development opportunities in STEM and access to competitions, clubs, and courses to prepare them for the jobs of the future.

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

The targeted population served by this project includes K12 students served in public and charter schools in the 7-county NE Florida region, by working directly with schools and districts, as well as out of school youth serving organizations, with a specific focus on increasing access for those underrepresented in tech careers, such as women and people of color. Specific focus is placed on students who are at risk due to socioeconomic disadvantages, those attending underperforming schools, those living in poverty, and those who have reduced access to pathways due to rural geographic considerations.

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

The expected benefits and outcomes of this project include significant increases in exposure and participation by students from underrepresented populations in programs that lead to high demand careers across the STEM fields. Through these exposures and experiences, the expected outcome is increased consideration for taking additional classes across the STEM disciplines, and increased disposition towards selecting a high demand STEM career. This will be measured through the administration of participant surveys, monitored enrollment in programs by subgroups, and growth in standardized assessments, where applicable, such as participation and proficiency in the advanced placement computer science programs.

##### 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?

Should we fail to meet our deliverables or performance measures, we should be given notice and the opportunity to come into compliance. Should we fail to address the concerns, funding should be withheld until a time that the project is in compliance with the requirements.



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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.

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.