

# Appropriations Project Request - Fiscal Year 2020-21

## For projects meeting the Definition of House Rule 5.14

1. Title of Project: Northeast Florida 21st Century Workforce Development Project
2. Date of Submission: 11/06/2019
3. House Member Sponsor: Cyndi Stevenson  
Members Copied:

### 4. DETAILS OF AMOUNT REQUESTED:

- a. Has funding been provided in a previous state budget for this activity? Yes  
***If answer to 4a is "No" skip 4b and 4c and proceed to 4d, Col. E***
- b. What is the most recent fiscal year the project was funded? 2019-20
- c. Were the funds provided in the most recent fiscal year subsequently vetoed? No
- d. Complete the following Project Request Worksheet to develop your request:

FY:	Input Prior Year Appropriation for this project for FY 2019-20 <i>(If appropriated in 2019-20 enter the appropriated amount, even if vetoed.)</i>			Develop New Funds Request for FY 2020-21 <i>(Requests for additional RECURRING funds are prohibited.)</i>		
Column:	A	B	C	D	E	F
Funds Description:	Prior Year Recurring Funds	Prior Year Nonrecurring Funds	Total Funds Appropriated  <i>(Recurring plus Nonrecurring: column A + column B)</i>	Recurring Base Budget  <i>(Will equal non-vetoed amounts provided in Column A)</i>	<b>Additional Nonrecurring Request</b>	<b>TOTAL Nonrecurring plus Recurring Base Funds</b>  <i>(Will equal the amount from the Recurring base in Column D plus the Additional Nonrecurring Request in Column E.)</i>
Input Amounts:		450,000	450,000		975,000	975,000

5. Are funds for this issue requested in a state agency's Legislative Budget Request submitted for FY 2020-21? No
  - 5a. If yes, which state agency?
  - 5b. If no, which is the most appropriate state agency to place an appropriation for the issue being requested? Department of Education
  - 5c. Has the appropriate state agency for administering the funding, if the request were appropriated, been contacted? Yes
  - 5d. Describe penalties for failing to meet deliverables or performance measures which the agency should provide in its contract to administer the funding if appropriated.

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.

6. Requester:

- a. Name: Kathleen Schofield
- b. Organization: Northeast Florida Regional STEM2 Hub
- c. Email: Kathleen@stem2hub.org
- d. Phone #: (904)502-0958

7. Contact for questions about specific technical or financial details about the project:

- a. Name: Kathleen Schofield
- b. Organization: Northeast Florida Regional STEM2 Hub
- c. Email: Kathleen@stem2hub.org
- d. Phone #: (904)502-0958

8. Is there a registered lobbyist working to secure funding for this project?

- a. Name: None
- b. Firm: None
- c. Email:
- d. Phone #:

9. Organization or Name of entity receiving funds:

- a. Name: Northeast Florida Regional STEM2 Hub
- b. County (County where funds are to be expended): Baker, Clay, Duval, Nassau, Putnam, St. Johns
- c. Service Area (Counties being served by the service(s) provided with funding): Baker, Clay, Duval, Nassau, Putnam, St. Johns

10. What type of organization is the entity that will receive the funds? (Select one)

- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Government
- University or College

Other (Please describe)

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

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. 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.

12. Provide specific details on how funds will be spent. (Select all that apply)

Spending Category	Description	Nonrecurring (Should equal 4d, Col. E) Enter "0" if request is zero for the category
Administrative Costs:		
<input type="checkbox"/> a. Executive Director/Project Head Salary and Benefits		
<input type="checkbox"/> b. Other Salary and Benefits		
<input type="checkbox"/> c. Expense/Equipment/Travel/Supplies/Other		
<input type="checkbox"/> d. Consultants/Contracted Services/Study		
Operational Costs:		
<input type="checkbox"/> e. Salaries and Benefits		
<input checked="" type="checkbox"/> f. Expenses/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	725,000

	competitions, registration fees for competitive events, workshop supplies	
<input checked="" type="checkbox"/> g. 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
Fixed Capital Construction/Major Renovation:		
<input type="checkbox"/> h. Construction/Renovation/Land/Planning Engineering		
<b>TOTAL</b>		<b>975,000</b>

13. For the Fixed Capital Costs requested with this issue (In Question 12, category “h. Fixed Capital Outlay” was selected), what type of ownership will the facility be under when complete? (Select one correct option)

- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Government (e.g., police, fire or local government buildings, local roads, etc.)
- State agency owned facility (For example: college or university facility, buildings for public schools, roads in the state transportation system, etc.)
- Other (Please describe)

14. Is the project request an information technology project?

No

15. Is there any documented show of support for the requested project in the community including public hearings, letters of support, major organizational backing, or other expressions of support?

Yes

15a. Please Describe:

Letters of support from the following organizations: Clay County Public Schools, Duval County Public Schools, Putnam County Public Schools, Alluvion Corpotation

16. Has the need for the funds been documented by a study, completed by an independent 3rd party, for the area to be served?

No

17. Will the requested funds be used directly for services to citizens?

Yes

17a. What are the activities and services that will be provided to meet the purpose of the 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.

17b. Describe the direct services to be provided to the citizens by the funding requested.

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.

17c. Describe the target population to be served (i.e., "the majority of the funds requested will serve these target populations or groups.").

Select all that apply to the target population:

- Elderly persons
- Persons with poor mental health
- Persons with poor physical health
- Jobless persons
- Economically disadvantaged persons
- At-risk youth
- Homeless
- Developmentally disabled
- Physically disabled
- Drug users (in health services)

- Preschool students
- Grade school students
- High school students
- University/college students
- Currently or formerly incarcerated persons
- Drug offenders (in criminal Justice)
- Victims of crime
- General (The majority of the funds will benefit no specific group)
- Other (Please describe)

17d. How many in the target population are expected to be served?

- < 25
- 25-50
- 51-100
- 101-200
- 201-400
- 401-800
- >800

18. What benefits or outcomes will be realized by the expenditure of funds requested? (Select each Benefit/Outcome that applies)

Benefit or Outcome	Provide a specific measure of the benefit or outcome	Describe the method for measuring level of benefit
<input type="checkbox"/> Improve physical health		
<input type="checkbox"/> Improve mental health		
<input type="checkbox"/> Enrich cultural experience		
<input checked="" type="checkbox"/> Improve agricultural production/promotion/education	Education: Computer science and robotics technologies will impact all fields including agriculture. Hacking STEM curriculum, through Farm Beats, supports sensor-driven agriculture related projects that will be implemented through summer camps and after school programs	Students will be assessed by rubric and portfolios on the following project: Students will design and construct a garden using math finder and Minecraft, concepts of the effective use of agricultural lands using modern technology for productivity will be examined.

	throughout the region.	Students will build technology rich solutions to agricultural problems, and will incorporate IoT through sensors. Drone technology will be incorporated.
<input checked="" type="checkbox"/> Improve quality of education	All of the work requested are directly aligned to Florida Standards, and will improve instructional quality through either development of increased content knowledge in the key areas of mathematics, computer science, and science/STEM. All of the projects 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 for the jobs of the 21st century.	Teacher learning gains will be measured in pre/post assessments where possible, such as Intel Math PD. Student affective outcomes and inclinations from participation in programs will be measured through a survey developed by a modified version of the Harvard PEAR institute. State and local assessment data will be incorporated as appropriate.
<input type="checkbox"/> Enhance/preserve/improve environmental or fish and wildlife quality		
<input type="checkbox"/> Protect the general public from harm (environmental, criminal, etc.)		
<input type="checkbox"/> Improve transportation conditions		
<input checked="" type="checkbox"/> Increase or improve economic activity	Workforce development is at the center focus of our program request. We believe that we must start with children beginning in kindergarten leading to the workforce. Computer science is a critical field, and expanding access to rigorous coursework is a key component of	We will measure: Number of teachers trained to provide access to high quality CS courses in elementary, middle, and high schools. Number of sections of CS courses offered in all schools across our region. Number of students participating in CS through clubs, camps, and Hour of

	the program. Expanding early access, as well as access through the grade levels will be critical. Students who are in high school often earn summer internships, both paid and unpaid, and earn scholarship opportunities.	Code experiences, Number of students enrolled in CS classes. Student proficiency in CS as measured by the AP test.
<input type="checkbox"/> Increase tourism		
<input type="checkbox"/> Create specific immediate job opportunities		
<input checked="" type="checkbox"/> Enhance specific individual's economic self sufficiency	In order to thrive, all students must have access to critical skills, including proficiency in mathematics and opportunities to interact with the tools that are shaping the jobs of the future. Data supports that teachers who are trained in INTEL Math PD are providing higher quality math instruction, a critical skill for success in CS. Strengthening teacher content knowledge in mathematics will increase student proficiency in mathematics, opening more doors for economic self-sufficiency.	We will measure: The number of teachers engaging in INTEL Math. Robotics, Hacking STEM, Drones, and Cybersecurity programs and the number of students who are impacted by these programs. Pre/post assessment scores will be used where possible.
<input type="checkbox"/> Reduce recidivism		
<input type="checkbox"/> Reduce substance abuse		
<input checked="" type="checkbox"/> Divert from Criminal/Juvenile justice system	We are working alongside partners serving some of the most at risk youth in our region, such as the Boys and Girls Clubs, and the Police Athletic League. By inspiring students and showing them pathways	We will measure: The number of at-risk students who are engaged in STEM/CS rich programs leading to careers that offer economic self-sufficiency. Affective outcomes for students inclination towards STEM

	and options for a successful economic future, we will give students access to experiences that will empower them to focus on a bright pathway to a prosperous future.	courses and careers as measured by a modified version of the Harvard PEAR instrument.
<input type="checkbox"/> Improve wastewater management		
<input type="checkbox"/> Improve stormwater management		
<input type="checkbox"/> Improve groundwater quality		
<input type="checkbox"/> Improve drinking water quality		
<input type="checkbox"/> Improve surface water quality		
<input type="checkbox"/> Other (Please describe):		

19. Provide the total cost of the project for FY 2020-21 from all sources of funding (Enter "0" if amount is zero):

Type of Funding	Amount	Percent of Total	Are the other sources of funds guaranteed in writing?
1. Amount Requested from the State in this Appropriations Project Request:	975,000	66.1%	N/A
2. Federal:	0	0.0%	No
3. State: (Excluding the requested Total Amount in #4d, Column F)	0	0.0%	No
4. Local:	500,000	33.9%	Yes
5. Other:	0	0.0%	No
<b>TOTAL</b>	<b>1,475,000</b>	<b>100%</b>	

20. Is this a multi-year project requiring funding from the state for more than one year?

No