



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2020-2021

LFIR # 2042

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

4. **Project/Program Description**

The Workforce Pipeline Project will establish a matching grant seed program for school districts in eligible industry cluster regions to implement Project Lead The Way (PLTW) in grades 6-12 with the goal of expanding access to industry ready credentials and workforce talent. PLTW is a national STEM organization partnering with industry leaders to create project-based-learning, scenario-based curriculum, and relevant teacher professional development in Engineering, Biomedical Sciences, and Computer science. PLTW with match up to \$1 Million to implement PreK-5 PLTW programs in the identified industry cluster regions. Each grant will cover the one-time costs for implementation of PLTW. This program will introduce one new course each year, totaling three courses over three years. This program will require minimal continuation funding. This cluster student cohort will earn industry credentials aligned with workforce skills gap.

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: 80%;" type="text" value="1,000,000"/>
Fixed Capital Outlay	<input style="width: 80%;" type="text" value="000"/>
Total State Funds Requested	1,000,000

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: 80%;" type="text" value="1000000"/>	<input style="width: 80%;" type="text" value="50.0"/> %
Matching Funds		
Federal	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
State (excluding the amount of this request)	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
Local	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
Other	<input style="width: 80%;" type="text" value="1,000,000"/>	<input style="width: 80%;" type="text" value="50"/> %
Total Project Costs for Fiscal Year 2020-2021	2,000,000	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: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>

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
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		<input type="text"/>
Other Salary and Benefits		<input type="text"/>
Expense/Equipment/Travel/Supplies/Other		<input type="text"/>
Consultants/Contracted Services/Study		<input type="text"/>
Operational Costs: Other		
Salary and Benefits		<input type="text"/>
Expense/Equipment/Travel/Supplies/Other	Costs to serve up to 80,000 students with the following: PLTW PreK-12 curriculum in Engineering, Computer Science, and Biomedical sciences, onsite teacher professional development, PLTW course supplies, and potential PLTW educator PD travel.	1,000,000
Consultants/Contracted Services/Study		<input type="text"/>
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		<input type="text"/>
Total State Funds Requested (must equal total from question #6)		1,000,000



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11. Program Performance

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

With an estimated 2.4 million STEM jobs unfilled, Florida needs to better prepare students to succeed in an ever-evolving world. Research has shown that students with access to PLTW are three times more likely to major in STEM and the organization is credited by many for aiding in the development of in-demand twenty-first century skills and employment opportunities with top STEM companies. The dollar for dollar (up to \$1 million) match from PLTW for PreK-5 will expose students to high quality and engaging STEM curriculum during early learning which can encourage students to continue in these studies and reduce the equity gap often seen in STEM, while the state's funding will be used for grades 6-12 will help current middle and high school students obtain industry certifications and/or high level skills in STEM fields. The Workforce Pipeline Project will inspire, educate, and prepare the next generation of our workforce while helping to secure a healthy economic future for Florida.

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

Delivery of up to 80,000 students within the industry clusters with the following:

- PLTW curricula in Engineering, Biomedical Sciences, and Computer sciences programs in PreK- grade 5 (PLTW Launch), grades 6 -8 (PLTW Gateway), and grades 9-12 (Biomedical Science, Computer Science and Engineering)
- PLTW subject specific professional development to ensure teacher efficacy
- Course supplies: Robotics kits, diagnostic kits, integrated circuits, etc...

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

Industry recognized project-based-learning, scenario based curriculum, and relevant teacher professional development in Engineering, Biomedical Sciences, and Computer science. Graduates of these program are routinely hired by industry partners. In addition students can earn industry certification, apprenticeships, and preferential access to over 200 universities.

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

Industry cluster regions in aviation & aerospace, information technology, life sciences, logistics & distribution, military, and manufacturing, were identified and then correlated with district offerings and/or interest to identify the following public school districts as eligible for grant funds due to the likelihood of available jobs in the district: Alachua, Brevard, Broward, Dade, Duval, Escambia, Flagler, Hillsborough, Indian River, Lake, Marion, Okaloosa, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Santa Rosa, Seminole, St. John's, Volusia. Depending on implementation and school size, this project could serve approximately 50,000-65,000 over a three year time frame.

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

- PLTW graduates are recruited to enter workforce fields, eligible for college credit, and able to earn industry certifications.
- Research supports early exposure to STEM curricula such as PLTW programs have a direct correlation with student engagement in STEM related careers.
- Industry endorsed STEM education with a track record of success in preparing students for college and/or career in in-demand fields.
- Rigorous professional development cocreated by industry partners
- Program efficacy can be measured by industry certifications, college credentials, student enrollment, and employment 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?

PLTW is directly contracted to offer industry STEM curricula within states such as Massachusetts and many others. PLTW serves as a 100% pass through organization for philanthropic donations. As such, PLTW is capable and experienced in delivering state contracts and would support the utilization of standard FL provisions.



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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.**

Not applicable.

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.