




**Florida Department of Education  
Project Award Notification**

*B/100 F1819*

<b>1 PROJECT RECIPIENT</b> Hamilton County School District	<b>2 PROJECT NUMBER</b> 240-1109B-9CR01
<b>3 PROJECT/PROGRAM TITLE</b> Title V, Part B Subpart 2: Rural & Low-Income Schools Program (RLIS)  <p align="right"><b>TAPS 19A007</b></p>	<b>4 AUTHORITY</b> 84.358B Title V Part B, Rural Education USDE or Appropriate Agency  FAIN#: S358B180009
<b>5 AMENDMENT INFORMATION</b> Amendment Number: Type of Amendment: Effective Date:	<b>6 PROJECT PERIODS</b>  Budget Period: 07/01/2018 - 06/30/2019 Program Period:07/01/2018 - 06/30/2019
<b>7 AUTHORIZED FUNDING</b> Current Approved Budget:           \$24,399.00 Amendment Amount: Estimated Roll Forward: Certified Roll Amount: Total Project Amount:               \$24,399.00	<b>8 REIMBURSEMENT OPTION</b> Federal Cash Advance
<b>9 TIMELINES</b> <ul style="list-style-type: none"> <li>• Last date for incurring expenditures and issuing purchase orders: <span style="float: right;"><u>06/30/2019</u></span></li> <li>• Date that all obligations are to be liquidated and final disbursement reports submitted: <span style="float: right;"><u>08/20/2019</u></span></li> <li>• Last date for receipt of proposed budget and program amendments: <span style="float: right;"><u>05/31/2019</u></span></li> <li>• Refund date of unexpended funds; mail to DOE Comptroller, 325 W. Gaines Street, 944 Turlington Building, Tallahassee, Florida 32399-0400:</li> <li>• Date(s) for program reports:</li> <li>• Federal Award Date : <span style="float: right;"><u>07/01/2018</u></span></li> </ul>	
<b>10 DOE CONTACTS</b> Program: Alvita Howard Phone: (850) 245-9442 Email: <a href="mailto:Alvita.Howard@fldoe.org">Alvita.Howard@fldoe.org</a> Grants Management: Unit A (850) 245-0496	<b>Comptroller Office</b> Phone: (850) 245-0401  <b>Duns#: 121892491</b> <b>FEIN#: F596000629013</b>
<b>11 TERMS AND SPECIAL CONDITIONS</b> <ul style="list-style-type: none"> <li>• This project and any amendments are subject to the procedures outlined in the <u>Project Application and Amendment Procedures for Federal and State Programs</u> (Green Book) and the General Assurances for Participation in Federal and State Programs and the terms and requirements of the Request for Proposal or Request for Application, RFP/RFA, hereby incorporated by reference.</li> <li>• For federal cash advance projects, expenditures must be recorded in the Florida Grants System (FLAGS) as close as is administratively feasible to when actual disbursements are made for this project. Cash transaction requests must be limited to amounts needed and be timed with the actual, immediate cash requirements to carry out the purpose of the approved project.</li> <li>• All provisions not in conflict with any amendment(s) are still in full force and effect and are to be performed at the level specified in the project award notification.</li> </ul>	
<b>12 APPROVED:</b>  <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">   <hr/>                         Authorized Official on behalf of Pam Stewart                          Commissioner of Education                     </div> <div style="width: 45%; text-align: center;">   <hr/>                         Date of Signing                     </div> </div>	 FLORIDA DEPARTMENT OF EDUCATION fldoe.org

**INSTRUCTIONS  
PROJECT AWARD NOTIFICATION**

- 1 Project Recipient:** Agency, Institution or Non-Governmental entity to which the project is awarded.
- 2 Project Number:** This is the agency number, grant number, and project code that must be used in all communication. (Projects with multiple project numbers will have a separate DOE-200 for each project number).
- 3 Project Description:** Title of program and/or project. TAPS #: Departmental tracking number.
- 4 Authority:** Federal Grants - Public Law or authority and CFDA number. State Grants - Appropriation Line Item Number and/or applicable statute and state identifier number.
- 5 Amendment Information:** Amendment number (consecutively numbered), type (programmatic, budgeting, time extension or others) in accordance with the Project Application and Amendment Procedures for Federal and State Programs (Green Book), and effective date.
- 6 Project Periods:** The periods for which the project budget and program are in effect.
- 7 Authorized Funding:** Current Approved Project (total dollars available prior to any amendments); Amendment Amount (total amount of increase or decrease in project funding); Estimated Roll Forward (roll forward funds which have been estimated into this project); and Total Project Amount (total dollars awarded for this project).
- 8 Reimbursement Options:**
  - Federal Cash Advance –On-Line Reporting required monthly to record expenditures.
  - Advance Payment – Upon receipt of the Project Award Notification, up to 25% of the total award may be advanced for the first payment period. To receive subsequent payments, 90% of previous expenditures must be documented and approved by the Department.
  - Quarterly Advance to Public Entity – For quarterly advances of non-federal funding to state agencies and LEAs made in accordance within the authority of the General Appropriations Act. Expenditures must be documented and reported to DOE at the end of the project period. If audited, the recipient must have expenditure detail documentation supporting the requested advances.
  - Reimbursement with Performance - Payment made upon submission of documented allowable expenditures, plus documentation of completion of specified performance objectives.
- 9 Timelines:** Date requirements for financial and program reporting/requests to the Department of Education.
- 10 DOE Contacts:** Program contact for program issues, Grants Management Unit for processing issues, and Comptroller's Office number for payment information.
- 11 Terms and Special Conditions:** Listed items apply to this project. (Additional space provided on Page 2 of 2 if needed.)
- 12 Approved:** Approval signature from the Florida Department of Education and the date signature was affixed.

**FLORIDA DEPARTMENT OF EDUCATION  
PROJECT APPLICATION**

RECEIVED  
 CONTRACTS, GRANTS,  
 AND  
 PROCUREMENT  
 2018 JUN 27 PM 1: 55  
 Project Number (DOE Assigned)  
 240-1109B-CR01

<b>Please return to:</b>  Florida Department of Education Office of Grants Management Room 332, Turlington Building 325 West Gaines Street Tallahassee, Florida 32399-0400 Telephone: (850) 245-0496	<b>A) Program Name:</b>  Title V, Part B, Subpart 2: Rural & Low Income Schools Program 2018-2019 ✓  <b>TAPS NUMBER: 19A007</b> ✓	<b>DOE USE ONLY</b> Date Received  <hr/> Project Number (DOE Assigned) 240-1109B-CR01
<b>B) Name and Address of Eligible Applicant:</b> Hamilton County School District ✓ 5683 US Highway 129 South, Suite 1 JASPER, 32052		
<b>C) Total Funds Requested:</b> \$23,177.96  <b>DOE USE ONLY</b> <b>Total Approved Project:</b> <b>\$ 24,399.00</b>	<b>D) Applicant Contact &amp; Business Information</b>	
	<b>Contact Name:</b> Phyllis Porter  <b>Fiscal Contact Name:</b> Crystal Workman  <b>Mailing Address:</b> 5683 US Highway 129 South JASPER, 32052  <b>Physical/Facility Address:</b> 5683 US Highway 129 South JASPER, 32052	<b>Telephone Numbers:</b> 386-792-7807  <b>FAX:</b> 386-792-3681  <b>E-mail Addresses:</b> phyllis.porter@hamiltonfl.com  <b>DUNS number:</b> 121892491 <b>FEIN number:</b> F596000629013
<b>CERTIFICATION</b>		
<p>I, <u>Rex L. Mitchell</u>, as the official who is authorized to legally bind the agency/organization, do hereby certify to the best of my knowledge and belief that all the information and attachments submitted in this application are true, complete and accurate, for the purposes, and objectives, set forth in the <u>RFA or RFP</u> and are consistent with the statement of general assurances and specific programmatic assurances for this project. I am aware that any false, fictitious or fraudulent information or the omission of any material fact may subject me to criminal, or administrative penalties for the false statement, false claims or otherwise. Furthermore, all applicable statutes, regulations, and procedures; administrative and programmatic requirements; and procedures for fiscal control and maintenance of records will be implemented to ensure proper accountability for the expenditure of funds on this project. All records necessary to substantiate these requirements will be available for review by appropriate state and federal staff. I further certify that all expenditures will be obligated on or after the effective date and prior to the termination date of the project. Disbursements will be reported only as appropriate to this project, and will not be used for matching funds on this or any special project, where prohibited.</p> <p>Further, I understand that it is the responsibility of the agency head to obtain from its governing body the authorization for the submission of this application.</p>		
E) <u>Rex L. Mitchell</u> Signature of Agency Head		



**FLORIDA DEPARTMENT OF EDUCATION  
BUDGET DESCRIPTION FORM -  
Title V, Part B, Subpart 2: Rural & Low Income Schools Program  
2018-2019**

A) NAME OF ELIGIBLE RECIPIENT: Hamilton County  
District School Board  
B) Project Number: (DOE USE ONLY): 240-1109B-9CR01

E) TAPS  
Number  
19A007

Count	Activity	Function	Object	Description	FTE	Amount
1	Provide Supplemental Instructional Services through STEM to STEAM Program ;	5100	310	Professional and Technical Services --Contracted Services to Challenger Learning Center of Tallahassee to provide instructional programs.	0.000	\$11,116.00
2	Provide Supplemental Instructional Services through STEM to STEAM Program ;	5100	330	Travel --To pay admission fees for field trips to enhance academic studies, Challenger Learning Center in Tallahassee, Florida.	0.000	\$1,000.00
3	Provide Supplemental Instructional Services through STEM to STEAM Program ;	5100	510	Supplies -- for continuation of the STEM to STEAM program. Lego Curriculum Kits, Snap Circuit Kits, Lil Bits, Easi-Scopes Microscopes, paint, presentation boards, paint brushes, clay, composition books, markers, colored pencils, crayons, pencils, workbooks, calculators, notebooks, glue, batteries, paper to enhance instruction.	0.000	\$7,783.38
4	Provide Supplemental Instructional Services through STEM to STEAM Program ;	6150	370	Communications - Communications-Postage for parent communication and communication to Florida Department of Education.	0.000	\$150.00
5	Provide Supplemental Instructional Services through STEM to STEAM Program ;	6150	390	Other Purchased Services - Printing-Other Purchased Services - For printing of flyers, brochures, parent letters and documents.	0.000	\$300.00
6		7200	790	Miscellaneous Expenses - Indirect Costs Plan B at 8.58%	0.000	\$1,049.62
7	Provide Supplemental Instructional Services through STEM to STEAM Program ;	7800	360	Rentals - Transportation by chartered buses or other vehicles not owned and operated by school district.	0.000	\$3,000.00
<b>C) TOTAL</b>					<b>0.000</b>	<b>\$24,399.00</b>

+ 96.74  
 + 7.16.64  
 + 7.16.38 *supplies*

*LIMITED 510*

+ 96.74  
 + 1.14.38 *limit*  
 + 0.9.62

*LIMITED 720*

+ 1.049.62  
 + 13.283.00  
 - 2.5.2  
 + 1.0858 *8.5%*  
 + 13.283.00

+ 1.283.00  
 + 8.00  
 + 1.283.00 *LIMITED*  
 + 8.00 *XXXX SIX*

*INDIRECT COSTS PLAN B*

# Hamilton County District School Board

## Title V, Part B, Subpart 2: Rural & Low Income Schools Program: 2018-2019

### General Assurances

The Florida Department of Education (FDOE) has developed and implemented a document entitled, "General Terms, Assurances, and Conditions for Participation In Federal and State Programs," to comply with:

- 2 C.F.R. 200, Uniform Grant Guidance (UGG) requiring agencies to submit a common assurance for participation in federal programs funded by the United States Education Department (USED);
- Applicable regulations of other Federal agencies; and State regulations and laws pertaining to the expenditure of state funds.

In order to receive funding, applicants must have on file with the Florida Department of Education, Office of the Comptroller, a signed statement by the agency head certifying applicant adherence to these General Assurances for Participation In State and Federal Programs. The complete text may be found in Section D of the Green Book.

#### School Districts, Community Colleges, Universities, and State Agencies

The certification of adherence, currently on file with the FDOE Comptroller's Office, shall remain in effect indefinitely. The certification does not need to be resubmitted with this application unless a change occurs in federal or state law, or there are other changes in circumstances affecting a term, assurance or condition.

**Note:** The UGG combines and codifies the requirements of eight Office of Management and Budget (OMB) Circulars: A-89, A-102 (former 34 CFR part 80), A-110 (former 34 CFR part 74), A-21, A-87, A-122, A-133, A-50. For the FDOE this means that the requirements in EDGAR Parts 74 and 80 have also been subsumed under the UGG. The final rule implementing the UGG was published in the Federal Register on December 19, 2014, and became effective for new and continuation awards issued on or after December 26, 2014.

Technical assistance documents and other materials related to the UGG, including frequently asked questions and webinar recordings, are available at The Chief Financial Officers Council web site: <https://cfo.gov/cofar>.

### Risk Analysis

Every agency must complete a Risk Analysis form. The appropriate DOE 610 or DOE 620 form will be required prior to a project award being issued.

**School Districts, State Colleges, and State Universities, and State Agencies** must use the DOE 610 form. Once submitted and approved, the risk analysis will remain in effect unless changes are required by changes in federal or state law, changes in the circumstances affecting the financial and administrative capabilities of the agency or requested by the Department. A change in the agency head or the agency's head of financial management requires an amendment to the form. The DOE 610 form may be found at: <http://www.fldoe.org/core/fileparse.php/5625/urlt/doe610.xls>.

By selecting this checkbox, I hereby certify the District School Board will comply with ALL of the preceding requirements.

### Program Specific Assurances

Applicants must provide signed assurances to the following program specific assurances:

1. Program objectives and outcomes for activities under this subpart, including how the State educational agency or specially qualified agency will use funds to help all students meet the challenging State academic standards.
2. If the State educational agency will competitively award grants to eligible local educational agencies, as described in section 5221 (b)(3)(A), the application under the section shall include:
  - A. The methods and criteria the State educational agency will use to review applications and award funds to local educational agencies on a competitive basis.
  - B. How the State educational agency will notify eligible local educational agencies of the grant competition.
3. A description of how the State agency will provide technical assistance to eligible local educational agencies to help such agencies implement the activities described in section 5222.

## Funding Method

### Federal Cash Advance (Public Entities only as authorized by the FDOE)

Federal cash advances will be made by state warrant or electronic funds transfer (EFT) to a recipient or subrecipient for disbursements. For federally-funded programs, requests for federal cash advance must be made through FDOE's Florida Grants System (FLAGS). Supporting documentation for expenditures should be kept on file at the program. Examples of such documentation include, but are not limited to, payroll records, contracts, invoices with check numbers verifying payment and/or bank statements - all or any of these items must be available upon request.

### Fiscal Records Requirements and Documentation

Applicants must complete a Budget Narrative form, DOE101. Budget pages must be completed to provide sufficient information to enable FDOE reviewers to understand the nature and reason for the line item cost.

All funded projects and any amendments are subject to the procedures outlined in the Project Application and Amendment Procedures for Federal and State Programs (Green Book) and the General Assurances for Participation in Federal and State Programs, which may be accessed online at <http://www.fldoe.org/grants/greenbook/>.

All accounts, records, and other supporting documentation pertaining to all costs incurred shall be maintained by the recipient for five years. Supporting documentation for expenditures is required for all funding methods. Examples of such documentation include but are not limited to: invoices with check numbers verifying payment, and/or bank statements; time and effort logs for staff, salary/benefits schedules for staff. All or any documentation must be available upon request.

Budgeted items must correlate with the narrative portion of the project application that describes the specific activities, tasks, and deliverables to be implemented.

All project recipients must submit a completed DOE 399 form, Final Project Disbursement Report, by the date specified on the DOE 200 form, Project Award Notification.

### Allowable Expenses:

Program funds must be used solely for activities that directly support the accomplishment of the program purpose, priorities and expected outcomes during the program period. All expenditures must be consistent with the approved application, as well as applicable state and federal laws, regulations and guidance. Allowable expenditures may include costs associated with employing appropriate staff for administering the project, office materials and supplies and other relevant costs associated with the administration of the project, including meeting room rentals, consultant fees, printing, etc.

### Unallowable Expenses

Below is a list of items or services that are generally not allowed or authorized as expenditures. This is not an all-inclusive list of unallowable items. Subrecipients are expected to consult the FDOE program office with questions regarding allowable costs.

- Pre-award costs
- Entertainment (e.g., a field trip without the approved academic support will be considered entertainment)
- Meals, refreshments or snacks
- End-of-year celebrations, parties or socials
- Game systems and game cartridges (e.g., Wii, Nintendo, PlayStation)
- Out-of-state travel without FDOE pre-approval
- Overnight field trips (e.g. retreats, lock-ins)
- Incentives (e.g., plaques, trophies, stickers, t-shirts, give-a-ways)
- Gift cards
- Decorations
- Advertisement
- Promotional or marketing items (e.g., flags, banners)
- Purchase of facilities or vehicles (e.g., buildings, buses, vans, cars)
- Land acquisition
- Furniture
- Kitchen appliances (e.g., refrigerators, microwaves, stoves, tabletop burners)
- Tuition
- Capital improvements and permanent renovations (e.g., playgrounds, buildings, fences, wiring)
- Dues to organizations, federations or societies for personal benefit
- Clothing or uniforms
- Costs for items or services already covered by indirect costs allocation

- Costs not allowable for federal programs per the USDE General Administration Regulations (EDGAR), which may be found at <https://www2.ed.gov/policy/fund/reg/edgarReg/edgar.html> and the Reference Guide for State Expenditures, which may be found at [https://www.myfloridacfo.com/aadir/reference\\_guide/](https://www.myfloridacfo.com/aadir/reference_guide/).

## Equipment Purchases

Any equipment purchased under this program must follow the Uniform Grants Guidance (UGG) found at [http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title02/2cfr200\\_main\\_02.tpl](http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title02/2cfr200_main_02.tpl) or the Reference Guide for State Expenditures, [https://www.myfloridacfo.com/aadir/reference\\_guide/](https://www.myfloridacfo.com/aadir/reference_guide/).

Any equipment purchases not listed on the original budget approved by the Florida Department of Education require an amendment submission and approval prior to purchase by the agency awarded the funding.

Further guidance and instruction on property records, inventory and disposition requirements for the property are outlined in the Green Book, <http://www.fdoe.org/grants/greenbook/>.

## Administrative Costs Including Indirect Costs:

### School Districts

The Florida Department of Education has been given the authority by the U.S. Department of Education to negotiate indirect cost proposals and to approve indirect cost rates for school districts. School districts are not required to develop an indirect cost proposal, but if they fail to do so, they will not be allowed to recover any indirect costs. Amounts from zero to the maximum negotiated rate may be approved by the Florida Department of Education's Comptroller. **Indirect costs shall only apply to federal programs.** Additional information and forms are available at <http://www.fdoe.org/finance/comptroller/>.

### State Agencies, Public Universities, and State Colleges

The Florida Department of Education will allow other state agencies, state universities and state colleges to charge an indirect cost (administrative and/or overhead) up to 8 percent or the recipient's rate approved by the appropriate cognizant agency, whichever is lower. This rate may be charged on the total direct costs disbursed less the amounts of subcontracts in excess of \$25,000 and for items of equipment, alterations, renovations and flow-through funds ("pass-through" to another entity) on programs issued by the department. This rate is intended to be all-inclusive of typical administrative and overhead costs, including but not limited to the rental of office space, costs for bookkeeping and accounting services, and utilities. In the alternative, the department will approve an indirect cost rate of 8 percent plus the direct charges for typical administrative and overhead costs, such as office space rental when such costs can be directly and appropriately allocated to the program. **Indirect costs shall only apply to federal programs.**

Chapter 1010.06 F.S. indirect cost limitation.—State funds appropriated by the Legislature to the Division of Public Schools within the Department of Education may not be used to pay indirect costs to a university, Florida College System institution, school district, or any other entity.

## Executive Order 11-116

The employment of unauthorized aliens by any contractor is considered a violation of section 274A(e) of the Immigration and Nationality Act. If the contractor knowingly employs unauthorized aliens, such violation shall be cause for unilateral cancellation of the contract. In addition, pursuant to Executive Order 11-116, for all contracts providing goods or services to the state in excess of nominal value; (a) the Contractor will utilize the E-verify system established by the U.S. Department of Homeland Security to verify the employment eligibility of all new employees hired by the contractor during the Contract term, (b) require that Contractors include in such subcontracts the requirement that subcontractors performing work or providing services pursuant to the state contract utilize the E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term. Executive Order 11-116 may be viewed at <http://www.flgov.com/wp-content/uploads/orders/2011/11-116-suspend.pdf>.

## For Federal Programs - General Education Provisions Act (GEPA)

Applicants must provide a concise description of the process to ensure equitable access to, and participation of students, teachers, and other program beneficiaries with special needs. For details, refer to <http://www2.ed.gov/fund/grant/apply/appforms/gepa427.pdf>.  By selecting this checkbox, I hereby certify the District School Board will comply with ALL of the preceding requirements.



**Activities**

**Activity:** Provide Supplemental Instructional Services through STEM to STEAM Program

<p><b>Strategies Selected:</b></p>	<ul style="list-style-type: none"> <li>◦ Title I, Part A - Improving Basic Programs;</li> <li>◦ Title II, Part A - Improving Teacher Quality; teacher recruitment, retention, including signing bonus, professional development, financial incentives;</li> <li>◦ Title IV, Part A - Student Support and Academic Enrichment; Safe and Drug-Free Schools programs;</li> <li>◦ Parental involvement activities.;</li> </ul>
<p><b>Identify Needs:</b></p>	<p>Increase performance of non-proficient students in grades 3-5 in reading and mathematics (grades 3-5) and science (grade 5) through 60 hours of hands-on highly motivational lessons in robotics, energy, electricity and coding to increase knowledge in STEM by infusing technology, art design to turn STEM to STEAM. The funding will assist in increasing student and teacher knowledge in science, technology, engineering and mathematics and art (STEAM) and to provide opportunities for students to have hands-on experiences with the 21st Century Skills 1) critical thinking 2) creativity 3) collaboration 4) communication. Students will have opportunities to demonstrate knowledge with peers in the classroom setting and during a STEAM Expo in the Spring of 2019 (March 8-15). Teachers and students will have the opportunity to share knowledge and skills learned across schools and with the FDOE and Challenger Center via teleconference capability and face-to-face as they showcase their STEAM product. Parents and community will be provided information concerning the Title V program through the School Advisory Council. Information concerning the Expo will be shared with all parents via flyer and Facebook. Parents and community will be invited to participate at the Expo.</p>
<p><b>Data:</b></p>	<p>2017-2018 Florida State Assessment (FSA) results: Percentage of student scoring a level 3 or higher and in 2017-2018 attending Hamilton County Elementary School. ELA: grade 3, 36%; Math: grade 3, 62%; ELA grade 4, 43%, math grade 4, 50%; ELA grade 5, 23%, math grade 5, 36%; Science: grade 5, 33% Hamilton County Elementary School (HCES) was a new school in 2017-2018-School Grade of "C". Source: <a href="http://www.fldoe.org/accountability/assessments/k-12-student-assessment/results/2018.shtml">http://www.fldoe.org/accountability/assessments/k-12-student-assessment/results/2018.shtml</a></p>
<p><b>Goals:</b></p>	<ul style="list-style-type: none"> <li>◦ Student Achievement on Florida Assessments;</li> <li>◦ Closing the Achievement Gap;</li> </ul>
<p><b>Strategy Implementation:</b></p>	<p><b>Identify Strategy:</b></p> <p>Florida certified teachers; Challenger Learning Center staff and experts from the Florida Department of Education, NEFEC, and School of Engineering (Tallahassee) will provide research, program information and highly motivating curriculum and instruction for class and lab settings of third through fifth grade small groups of students who are not meeting state requirements in either reading, math (grades 3-5) or science (grade 5). The Challenger Center staff will work on-site in Hamilton County classrooms providing activities for students and embedded staff development for teachers. This extensive (60) hour program will utilize WEDO kits from LEGO and a variety of technology devices including iPads and laptop computers. The STEM to STEAM program will include energy and electricity using Snap Circuit kits from ELENCO (kits from</p>

donated funds from local business), Little Bits kits and East-Scope microscopes.

**Frequency and Duration:**

The Robotics, Energy, Electricity and Coding STEM to STEAM program will be offered during the months of Fall 2018 to April 2019 for a total of 60 hours of instruction during the school day. The instructional days and hours will be during classroom and laboratory time and scheduled field trips with dates and times to be determined in coordination with partners. The Challenger Center staff will provide standards-based science lessons introduction students to new technologies, computer technologies, computer programming, engineering, physical science, mathematics art and Imagination. Student will be able to see how science and other subjects and concepts are found in different aspects of their daily lives.

**Target Schools and Populations:**

The Robotics, Energy, Electricity and Coding STEM to STEAM program will be implemented for grades 3-5 (year 2) with approximately 500 students, at Hamilton County Elementary School in Jasper, Florida.

**Evidence-based Research:**

According to M.J. Nathan, R. Srisurichan, C. Walkington, M. Wolfram, C. Williams and M. W. Alibali in 2013, there is a need to change the approach to teaching Science, Technology, Engineering and Math. We have seen a decline in these areas and this indicates that our students are disengaged. It is useless to continue business as usual. We must allow for classrooms that are technology enriched. The setup should be three departments in one so that students can rotate to the classroom, the lab and the situation room. Lab coats would be provided for students who make it to the lab. Field trips planned will be meaningful and diverse. The National Research Council's Successful K-12 STEM Education: Identifying Effective Approaches in Science, Technology, Engineering, and Mathematics (2011), approach integrates subjects for motivation and student engagement. STEAM fields are science, technology, engineering, and mathematics, together with art. STEAM is designed to integrate STEM subjects and the art of design. It is a popular movement founded by Georgette Yakman in 2007 to promote and integrate design and art in STEM fields. The Journal of Research in STEM Education (J-STEM) states that innovation in science, technology, engineering and mathematics (STEM) play an essential role in creating new economies, increasing competition in the global market, and improving the quality of life. According to this publication, STEM stands for the blended and problem-based learning environment that integrates all four subjects in an interdisciplinary manner.

**Monitoring:**

The Federal Programs Coordinator, Principal, Assistant Principal, and DA Team will monitor the STEM to STEAM program Robotics, Energy, Electricity and Coding, through classroom observations, classroom walkthroughs (weekly) and examination of daily lesson plans. The Principal, Assistant Principal and school Leadership Team will be actively involved in the monitoring of student progress through benchmark assessments using Performance Matters, STAR Reading, STAR Math (quarterly) and FSA scores.

**Anticipated Outcomes:**

By the end of 2018-2019 school year, there will be a 3% increase in the students scoring level 3 or higher in reading, mathematics and science for the 3-5 grade students participating in the STEM to STEAM program. Surveys of staff, students and parents will indicate positive ratings for knowledge gained, and attitude changed toward STEM subjects and careers associated with STEM to STEAM.

**Evaluation/Evaluation of Previous Year:** Hamilton County Schools will evaluate the effectiveness of the STEM to STEAM program through implementation of program, staff, student, parent feedback and through the evaluation of a third-party evaluator. The program will also be evaluated through the overall percentage of students scoring a level 3 or higher in reading, math and science. A STEAM program was implemented in the 2017-2018 school year. The grade 5 2017-2018 Statewide Science Assessment improved by (9) percentage points from 24% in 2016-2017 to 33% in 2017-2018. Students in grades 3-5 participated in a science show-case (Fair) with school and community invited to attend.

Related Budget Items					
Function Code	Object Code	Object Title	Description	FTE	Amount
5100	310	Professional and Technical Services	-Contracted Services to Challenger Learning Center of Tallahassee to provide instructional programs.	0.000	11116.00
5100	330	Travel	-To pay admission fees for field trips to enhance academic studies, Challenger Learning Center in Tallahassee, Florida.	0.000	1000.00
5100	510	Supplies	- for continuation of the STEM to STEAM program. Lego Curriculum Kits, Snap Circuit Kits, Lil Bits, Easi-Scopes Microscopes, paint, presentation boards, paint brushes, clay, composition books, markers, colored pencils, crayons, pencils, workbooks, calculators, notebooks, glue, batteries, paper to enhance instruction.	0.000	7686.64
6150	370	Communications	Communications- Postage for parent communication and communication to Florida Department of Education.	0.000	150.00
6150	390	Other Purchased Services	Printing- Other Purchased Services - For printing of flyers, brochures, parent letters and documents.	0.000	300.00
7800	360	Rentals	Transportation by chartered buses or other vehicles not owned and operated by school district.	0.000	3000.00

## Coordination and Collaboration

**If other sources besides Title V, Part B, Subpart 2 are being used to fund the activities/ strategies identified, describe the programs and partners involved and the resources being provided.**

Hamilton will provide consistency within the district through collaborative work with Title V and Title 1 Par A funds, UniSIG, and Title IV. Title II funds are used in collaboration to fund professional development activities to increase teacher capacity in the area of STEM education. Coordination and collaboration among federal funds, state and local funds and local business donations will enable the District to continue offering innovative programs in science, technology, engineering and mathematics, together with art. STEAM is designed to integrate STEM subjects and the art of design in education.

## Support for Reading/Strategic Imperatives

**Incorporate one or more of the Areas of Focus included in Florida's State Board of Education Strategic Plan:** <http://www.fldoe.org/core/fileparse.php/7734/urll/0075039-strategylcv3.pdf>

**Describe how the project will address the reading and math/science initiatives of the Department of Education. If applicable the LEA is to indicate strategies and tactics that will support and be aligned to the goals and priorities of the Florida's State Board of Education Strategic Plan and Public School System, and Florida Standards:** <http://www.fldoe.org/eduaccsummit.asp>

### Reading Initiatives

Reading Initiatives will be supported in the Title V Project by incorporating the following State Board of Education Strategic Plan Performance indicators: 1.2) Percentage of student scoring at or above grade level on statewide English Language Arts, Science and Mathematics assessments, 1.3) Percentage of students scoring at or above grade level on statewide English Language Arts, Science and Mathematics by subgroup to reduce the achievement gap. The proposed project will incorporate the Strategies Plan Performance indicators by providing 60 hours of targeted STEM/STEAM hands-on curriculum for and instruction in grades 3-5 using materials that motivate student interests and increase knowledge of STEAM (STEM + Art= STEAM)

### NGSSS Areas of Focus (if applicable)

STEM/STEAM focus areas will be addressed through 60 hours of additional classroom and laboratory contracts with continued support from the Florida Department of Education, Florida State University, Florida A & M University, University of Florida and the Challenger Learning Center of Tallahassee.

### Florida Standards

The Hamilton County School District continues to build teacher knowledge of Florida Standards and will increase knowledge by placing an emphasis on implementing Florida Standards across the district for elementary and middle/high schools for all grade levels. Professional Development on Florida Standards is on-going and embedded in each school's professional development and professional learning communities plan. Emphasis is placed on strengthening skills through materials selection and more rigorous text in reading, math, science and social studies.