

ABSTRACT

SPECIAL FUND PROPOSAL

Section I. BASIC INFORMATION

Proposed Project Title: **Mini-Grants for After-School FIRST Robotics Competition Programs**

Grant Source and Agency: CONNECTICUT STATE DEPARTMENT OF EDUCATION
BUREAU OF HEALTH/NUTRITION, FAMILY SERVICES
AND ADULT EDUCATION

Total Amount Requested: \$5,600 **Due Date of Application:**
March 11, 2020

System Contact: Cynthia Scheetz, FRC Robotics Mentor and Dr. Zakia Parrish,
Hill Regional Career High School Principal

Telephone #: (475)220-5000, (203)931-0551

Description of Project: Provide a brief description below. Use Section VI to outline specific objectives and strategies relating to goals described in the application.



Pursuant to P.A. 19-117 Section 35(b), the Connecticut State Department of Education (CSDE) is offering mini-grants to fund after-school FIRST Robotics Competition programs in Connecticut cities with populations larger than 50,000. Grant funds can be used to cover expenses directly related to student participation in the FIRST Robotics Competition

TARGET: Schools/Unit: Hill Regional Career High School/ Elm City Robo Squad
No. of Students: 28 **Grade Level(s):** 9-12
Eligibility Criteria: Student of New Haven Public Schools

GRANT PERIOD:	
From: (mm/dd/year): 07/01/2019	
To: (mm/dd/year): 06/30/2021	
<input checked="" type="checkbox"/> New	
<input type="checkbox"/> Continuation	
Previous Bd. of Ed. Approval:	
<input type="checkbox"/> Planning	
<input checked="" type="checkbox"/> Operational	
Bd. of Ed. Information	
<input type="checkbox"/> Action	
<input checked="" type="checkbox"/> Information	
<input type="checkbox"/> Support	
<input type="checkbox"/> Competitive	
<input type="checkbox"/> Entitlement	
<input checked="" type="checkbox"/> Grant	

PROPOSAL DEVELOPERS:

Cynthia Scheetz

CENTRAL OFFICE USE ONLY – MUST REMAIN ON PAGE 1	
ABSTRACT TIMETABLE	REVIEW
Return to: _____	<div style="text-align: center;"> Grants Manager  _____ </div> <div style="text-align: center;"> Finance Manager  _____ </div> <div style="text-align: center;"> Human Resource Manager _____ </div>
Received: _____	
Board of Education FINANCE & OPERATIONS Meeting Date <u>5/4/20</u>	
Board of Education Meeting Date: <u>5/11/20</u>	
Due Date to Grantor: _____	

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SECTION II: FISCAL INFORMATION

PERSONNEL

NON PERSONNEL

# FT	#PT		COST
		Administrators	\$
		Teachers	\$
		Management	\$
		Paraprofessionals	\$
		Clerks	\$
		Others	\$
		Stipend	\$
		Longevity	
		SUBTOTAL	\$0

	COST
Supplies & Materials	\$4,722
Student Transportation	\$
Staff Travel	\$104
Internal Evaluation	\$
External Evaluation	\$
Independent Contractors	\$
Equipment	\$
Other	\$774
Indirect Costs, if allowed	\$
TOTAL NON- PERSONNEL	\$5,600

FIXED COSTS:

Health Benefits	\$
Pension (Paras & Mgmt.)	\$
FICA/Medicare	\$
Workmen's Compensation	\$
SUBTOTAL	\$
TOTAL PERSONNEL & FIXED COSTS	\$0

Notes:

- 1) Total Personnel and Non Personnel columns must equal grant total.
- 2) The Abstract budget must be aligned with the Grant Application budget/ED114.
- 3) All applications should budget for staff development (stipends) and evaluation wherever appropriate.

SECTION IIA: BUDGET EXPLANATION

The following categories must be explained:

All Personnel: explain positions; **Salary:** if the grant pays a percent of salary and fixed costs, please describe below, breaking down **percentages and amounts to be paid by grant and by NHPS. Other;** and **All Non- Personnel items.** If additional space is needed, continue to next page.

All Non- Personnel items

Supplies and Materials are described in detail on the 2020 *FIRST* Robotics Competition Bill of Materials required to build a competition robot (attached to the grant application)

Staff Travel: price of lunch for the team (students) at the Waterbury District Event

Other: Supplies needed to build a robot, but not on the robot: Batteries, band saw blades, sanding belt, screws, locknuts, washers, plywood, game pieces and pool noodles

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SECTION III: SYSTEM OBLIGATIONS

Project support from other programs: None Yes Explain:

Linkage with other programs: None Yes Explain:

Local Fiscal costs, (include renovation): None Yes Explain:

Future local personnel obligations: None Yes Explain:

PROJECT OR GRANT REQUIREMENTS

- Local Maintenance Replication Parent Involvement
- In-Service Training Advisory Committee Linkage w/other Programs
- Non-Public School Involved Dissemination

ADDITIONAL RESTRICTIONS OR CONCERNS

Grant funds can be used to cover expenses directly related to student participation in the FIRST Robotics Competition.

SUBMITTING ADMINISTRATOR: Dr. Zakia Parrish April 27,
2020

Signature

Date

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SECTION IV: PROPOSED PERSONNEL

List, **individually**, each position proposed by this grant application. **If no personnel**, please indicate **N/A** in the chart below

F/T	P/T	Classification	Position Description	Duration of Proposed Service	Proposed Employee	Current NHPS Employee Yes/No	If Yes Current Employee Number
N/A	N/A						

V. PROPOSED CONTRACTS

List **individually**, each contract that will be prepared by this proposed project. If contractors will not be utilized, please indicate **N/A** in the chart below.

Proposed Independent Contractor	Brief Description of Service	Proposed Pay Rate	Proposed Total
N/A			

VI. ADDITIONAL INFORMATION:

Please Answer All Questions -- Use Additional Pages if Necessary

1. Please state specific goals for this grant or the grant period.

Grant funds can be used to cover expenses directly related to student participation in the FIRST Robotics Competition. Elm City Robo Squad strives to engage all members in the planning, designing and building of a competition robot year. This grant will allow students to continue to have a hands-on experience with engineer guidance and exposure to competitions that foster critical thinking, problem solving and team work.

a. If this is a continuation grant, please detail past year goal performance and accomplishments. Use additional space if needed:

While the mini-grant is funded for two fiscal years (2019-20 and 2020-21), this is the first year of the grant so there are no past details.

2. How does this grant address School Reform goals?

It helps to continue to engage students in STEM activities.

3. Please explain why this proposal is significant and important in relation to improving student and/or staff performance, as well as any additional pertinent information that is specific and relevant: (Include resume of person(s) providing service for contracts \$10,000 and over)

In any given year, (and this is the 20th year of Elm City Robo Squads existence) it takes anywhere from \$30,000 to \$50,000 to participate in a season of *FIRST* Robotics Competition (FRC) depending on how many prototypes are built, how elaborate the practice goals are, whether we build a practice robot and how much team travel is required. We have participated in the *FIRST* Championships in St. Louis and Detroit for the past six years. We must find corporate donations and fundraise for this money. Yale University and UI (now Avangrid) have been founding sponsors of Robo Squad. So this grant is significant to students because it would allow them to spend more time on the robot and community outreach than on fundraising.

REQUIRED:

A COPY OF THE GRANT APPLICATION MUST BE ATTACHED TO THE ABSTRACT.