

Education Foundation of Lake County, Inc
2018-19 CTE Grant Application
Deadline to Apply: August 31, 2018

Basic Project Information

Principal Name:	Steven Benson
School Name:	South Lake High School
Teacher Name(s):	Chris Clausen
CTE Program Name:	Agriculture Technology
Grade levels:	9 th , 12th grade
Number of Students:	108
Number of Participating Teachers:	2
Amount Requested:	\$3,079.75

Would you consider this a multi-year project? *(are funds to be used this year that support future efforts and greater impacts to students in subsequent years) If so, please outline multiyear goals and expected measurable metrics.*

This will be a multi-year project because we can use our three tower gardens year after year. I hope that are students will be excited about this project and tell other students about it. I believe this could be a great recruiting and community service tool for our horticulture program. We hope to donate the vegetables that we grow to families,; our culinary department; and Second Harvest Food bank.

Project Abstract *(Describe in 200 words or less your project proposal and outcomes to be measured. Think of this as your elevator speech, what would I say about this project and its potential impact?)*

The South Lake High School Agriculture Technology CTE Grant proposal includes purchasing three tower gardens which will be used to teach our students about Aeroponics, plant science, chemistry, agriculture marketing, community service, and team work. It is the goal of our agriculture technology department to increase our students' knowledge in plant science and agribusiness that will hopefully lead to higher pass rates in both the Associates in Ag and Ag Technician certification exams. Our FFA motto is Learning to Do, Doing to Learn, Earning to Live and Living to Serve. This tower Garden project will accomplish all four areas of our FFA motto. It is also our hope there will be a renewed excitement about our agriculture program through these tower gardens that will lead to higher agriculture Technology retention and recruitment numbers to justify hiring another agriculture teacher.

Project Detail

In the space below, please provide a detailed outline of your project activities. Please be sure to include the following: Goals and objectives of your project activities, expected timeline for project activities, when certification exams will be taken, etc.

Goals and Objectives of the Tower Garden Project:

1. Students will get hands on learning of growing, managing, and harvesting of fruit, vegetables, and herbs. Some of the fruit, vegetables, and herbs that our students will plan to grow that do well in tower gardens are Arugula, cucumbers, lettuce, peppers, strawberries, chives, cilantro, basil, oregano, Rosemary.
2. Students will want to come to class and school to be a part of something that is bigger than themselves.
3. We will be able to produce fresh fruits and vegetables to our school and area communities that our students grew themselves.

4. Students will not just increase their agriculture certification test scores but also increase their scores in Biology and math end of course exams.
5. Students will learn to be responsible through caring for these tower gardens as well as collaborating with their agriculture classmates.

Expected Timelines:

August 2018:

1. Students in my agriculture Technology class will decide what vegetables they would want to grow in the tower gardens based on consumer demand from last year's garden.
2. Students will sort through the seeds that were donated by Rural King and then calculate how many more dollars will be needed to buy transplants and seeds.

September 2018:

1. The Agri-science classes will decide which vegetables to grow in their class tower garden based on what the ag tech students research showed.
2. The Ag Tech students will use their agribusiness unit skills to create a budget and a cash flow statement. They will act as Tower Garden Management under the supervision of Mr. Clausen. The Tower Garden Project will also be a part of our FFA Cooperative Activities Award application. The Tower Garden Project will be ran as a Cooperative and our agri-science students as cooperative members.
3. The agri-science students and ag tech students will start seeds in the greenhouse which they will later transplant into the tower gardens when they arrive.

October 2018:

1. Ag Tech Students will set up the Tower Gardens when they arrive.
2. Mr. Clausen's 5th, 6th, and 7th period agri-science students will each have a tower garden which they will plant, care for, and harvest the vegetables.
3. Agri-Science students will transplant the vegetable plants that were started in our school greenhouse.
4. Agriculture Tech students will be learning about agriculture finances and create excel spreadsheets to keep track of production, sales, and expenses.
5. Agri-Science students will be learning about plant nutrients, pH, and functions of plant parts as they are getting hands on experience of testing the water for pH as well as mixing the fertilizer water for the tower gardens.

November 2018:

1. Students will continue to grow, care for, and harvest the produce and herbs from the tower gardens.
2. Students will plan to demonstrate how the tower gardens work to parents at STEM night on November 27.
3. Students will sell 50% of the produce and donate the other 50% to local food pantries and 2nd Harvest Food Bank. The money made will be used to reinvest in more tower gardens, seed, and supplies.

December 2018- May 2019:

1. Students will continue to grow, care for, and harvest the produce and herbs from the tower gardens.

March 25-29, 2019:

Farm Bureau Ag Technician Certification testing

April 22-26:

Farm Bureau Associates in Ag Certification testing for Agri-science Foundations students

May 2019:

Disassemble tower gardens and clean for summer storage.

Outcome Measures

Outcomes (*change/improvement in knowledge, behavior, skills scores*)

What certifications are offered through this CTE program? Florida Farm Bureau Agriculture Associate Florida and Farm Bureau Agriculture Technician

What is your target number of students receiving certifications that you are trying to reach? 108

Budget

Please do not submit a budget item that does not fit a category below or one that has not been approved by the EFLC staff. It will only delay the processing of your application.

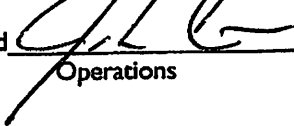
NO GENERAL ADMINISTRATIVE OR INDIRECT CHARGES MAY BE APPLIED TO THIS GRANT.

Allowable expenditures include: training/conferences, professional and technical services, classroom materials, computer software, computer hardware, other equipment, program supplies, and printing
Non-Allowable expenditures include: administrative expenses, capital improvements, support of interscholastic athletics, refreshments, transportation, food items, decorative items, awards for outstanding service, and the entertainment of dignitaries.

Category of Expenditure	Amount	Category of Expenditure	Related Activity
Professional Contracted Workers (i.e. stipend workers, trainers, work for fee etc.)			
Program supplies			
Computer Software			
Computer Hardware*			
Other Equipment (not computers)	<u>\$3,079.75</u>	<u>Other equipment: 3 Tower Gardens, grow lights, dollies, plant fertilizer and rock wool growing media.</u>	<u>Classroom Project</u>
Printing			
Tuition/Training/Conferences/Admission			
Room Rental Fees			
TOTALS	<u>\$3,079.75</u>		

Key Terms:

Category of expenditure (<i>Short description for categories of expenses</i>)	Related Activity (<i>What activity does this support in the grant? i.e. classroom project, training, computer project, etc.</i>)
--	---

Program Approved By:  Risk Management and  Operations

CTE Coordinator

(Request must be approved by all three departments before being submitted to the Foundation).

Disassemble tower gardens and clean for summer storage.

Outcome Measures

Outcomes (change/improvement in knowledge, behavior, skills scores)

What certifications are offered through this CTE program? Florida Farm Bureau Agriculture Associate Florida and Farm Bureau Agriculture Technician

What is your target number of students receiving certifications that you are trying to reach? 108

Budget

Please do not submit a budget item that does not fit a category below or one that has not been approved by the EFLC staff. It will only delay the processing of your application.

NO GENERAL ADMINISTRATIVE OR INDIRECT CHARGES MAY BE APPLIED TO THIS GRANT.

Allowable expenditures include: training/conferences, professional and technical services, classroom materials, computer software, computer hardware, other equipment, program supplies, and printing
Non-Allowable expenditures include: administrative expenses, capital improvements, support of interscholastic athletics, refreshments, transportation, food items, decorative items, awards for outstanding service, and the entertainment of dignitaries.

Category of Expenditure	Amount	Category of Expenditure	Related Activity
Professional Contracted Workers (i.e. stipend workers, trainers, work for fee etc.)			
Program supplies			
Computer Software			
Computer Hardware*			
Other Equipment (not computers)	<u>\$3,079.75</u>	<u>Other equipment: 3 Tower Gardens, grow lights, dollies, plant fertilizer and rock wool growing media.</u>	<u>Classroom Project</u>
Printing			
Tuition/Training/Conferences/Admission			
Room Rental Fees			
TOTALS	<u>\$3,079.75</u>		

Key Terms:

Category of expenditure (Short description for categories of expenses)	Related Activity (What activity does this support in the grant? i.e. classroom project, training, computer project, etc.)
---	--

Program Approved By: _____ and _____ and _____
 Risk Management Operations


 CTE Coordinator

(Request must be approved by all three departments before being submitted to the Foundation).

Requesting party has read and agrees with the funding policies of the Educational Foundation.

Principal's Signature: St. W. Benson II Date: 8/30/18

Email: bensonson@lake.k12.fl.us

To be completed by foundation staff/board

Program meets Foundation Mission/Funding Policy: Yes or No

Visioning Committee Recommendations: _____

Executive Board Recommendations: _____

Approved Denied

Date	President Signature
------	---------------------

Please submit the completed application to:
Educational Foundation of Lake County, Inc
2045 Pruitt Street
Leesburg, FL 34748
Or
Email: Cullen-battc@lake.k12.fl.us

- All funds must be used by May 1, 2019. A final program evaluation must be submitted by May 15, 2019.
-