2019 – 2020 Grants for Great Ideas   #127

*	• I certifiy that I have read and understand the GFGI program guidelines
*	• I certify that I am able to provide data that satisfies the above reporting requirements
*	• I certify that I will comply with the above expenditure reporting requirements

School Name: *	Indian Trails Middle School
Teacher Submitting Grant Application: *	██████████████
Please list any additional teacher associated with this grant project:	
Phone Number	██████████████
SCPS Email Address: *	██████████████
Select a Grant Category: *	STEM
Project Title: *	Agriscience Farm
Total Amount Requested: *	
Grade Level(s) Served: *	
Project Start Date:	Thursday, December 12, 2019
Number of Students Impacted: *	1300
Number of low performing students:	

Program Summary: *

Indian Trails will be creating an Agriscience program starting in the 2020–2021 school year. The agriscience program will include both a garden (which I've already built) and a farm aspect. The goal is that our three major electives (Culinary, Robotics, and Renewable Energy) all fall under the real world application of Agriscience. From automation of watering/feeding and solar powered systems to farm fresh products cooked by our culinary students, an Agriscience program will make lessons learned in these programs meaningful and engaging. Further, the Agriscience program will also consist of 3 agriscience courses (structured to be created over 3 years), eventually leading to industry certification in OSHA. This program is all about making Science and Technology REAL WORLD and meaningful to students, while also showcasing the creative spirit needed to solve real world problems. Last year I tore out 4 old portables and by partnering with a non profit and City of Winter Springs Commissioners, was able to create our school garden. This up coming year, I want to expand this to a farm. Starting small, I'd like to bring in Rex Rabbits, Chickens and Nigerian Dwarf Goats. I will

Statement of Need: *

Students at the middle school level are bored with Robotics and Renewable Energy. The application of these programs is not seen in a real world setting. Culinary is our TOP requested elective. To renew interest in two programs and support our Culinary, Agriscience allows our students to see real world application of STEM. Growing plants and raising animals allows students to see STEM in action and also teaches them life lessons of hard work and citizen ship. Further, this program will set ITMS and SCPS apart as I found very very few middle schools in Florida with this type of program.

Project Goals: *

Goal: To increase student understanding of STEM real world applications while also learning leadership and citizen through Agriscience studies.

Goal: Increase students leaving ITMS with Industry Certification (OSHA).

Program Activities: *

Creation of FFA Club on campus.
Students showing animals at the Central Florida Fair
Dinner under the Stars (A culinary activity where students grow, cook and serve the food from the garden to their parents.

Evaluation Plan: *

Evaluation: Student survey about interest in STEM classes.

Evaluation: Enrollment in Robotics and Renewable Energy.

Evaluation: Grade level C9A restults per quarter (Students enrolled in Agriscience vs students not enrolled)

Evaluation will focus on student interest in STEM and course requests. As the program grows we will also be evaluating Science C9A and FSA Scores

Please attach your completed budget template here: *

201920grantsforgreatideasbudgetform.xlsx
10.57 KB · XLSX

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• I certify that I am able to satisfy all program requirements, and agree to all listed terms

Created		Updated
19 Sep 2019	**97.71.167.37**	**19 Sep 2019**
2:09:07 PM	IP Address	2:39:33 PM
PUBLIC		**PUBLIC**

Complete

2019 - 2020 Grants for Great Ideas Budget Form		
Category	**Item List:**	**Cost:**
Classroom Matierals:		
Program Supplies:	(TWO) Wooden Backyard Chicken/Rabbit Coop, fencing, hay, goat/rabbit/chicken feed, Vetenarian needs ongoing	$1,500.00
Computer Software:		
Computer Hardware:		
Other Equipment:		
Printing:		
Shipping:		
	Total:	$1,500.00