



Request for Funding

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- All funds must be used by May 1, 2019. A final program evaluation must be submitted by May 15, 2019.
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*****Please complete all sections.*****

Requester:	Marisol Oneill	
Project Title:	Cropping Numbers, Continuous Hydroponic Garden Project	
School Name:	Clermont Middle School	
Academic Subject:	Science/Math/Writing/STEM	
Grade(s):	ESE 6-8- Intellectual Disabilities Self Contained	
Number of Students:	8	
Number of Participating Teachers:	2	
Amount Requested:		
Please provide a detailed budget of how funding will be expended for this project.		
Expense Category:	Amount:	Reason:
Program Materials	\$114.99	AcuRite 01036M Wireless Weather Station /for students to gather weather data for maintenance of hydroponic garden using math science STEM skills.
	\$3.98	AcuRite 00850A2 5-Inch Capacity Easy-Read Magnifying Rain Gauge- for visually impaired student to be able to read gauge
	\$10.99	Sonkir Soil pH Meter, MS02 3-in-1 Soil Moisture/Light/pH Tester Gardening Tool Kits
	\$4.10 each x 8=\$32.80	A Year in the Garden: A Guided Journal
Program Materials (Consumable):		

Transportation:		
Program Implementation (not to exceed 10%):		
Other (Please Specify Expense):		
TOTALS	\$170.66	
In Kind Contributions that benefitted project:		
Project Detail		

Other Funding Sources:

Home Depot has donated some gardening tools and materials.

Program Rationale: (Why is this program important?)

Our society is evolving to provide the best educational opportunities for our children. The major focus of our district is to prepare students for college and higher education opportunities. Understanding the importance of preparing our special needs students for higher education opportunities will guide us to provide innovative learning activities. The Cropping Numbers is an ongoing project that will provide students the experience of growing a vegetable garden while using math, reading, science, digital technology and writing skills in a functional manner. Our garden project will use a 15 feet long by 10 feet wide area in front of our classroom. We will use a variety of garden settings such as raise bed gardens, pocket gardens and hydroponic towers. Our special needs class will plan and organize all steps needed to have a functional garden. The students will prepare plot garden diagrams, irrigation schedules and implementation of calendar to assure wellness and life of plants.

In the Cropping Numbers project, all students will rotate in four different working areas:

- Data collectors/crop specialists –students will collect data of water level, temperature, height of plant-color, crops size
- Weather forecasters- in charge of getting the daily weather forecast using technology, checking temperature, warning gardeners about drastic changes of temperature, keeping weather log and graphing information for the week
- Irrigation leaders—students in charge of watering plants twice a day based on the information provided by the data collectors and forecasters.
- Designers- students will brainstorm ideas on how to set up pocket planters, watering towers and raised beds. They will use garden design software to create overlay of designated area. As the garden grows, this group will create ideas of keeping the plants healthy by using different devices such as wood fan, stakes and frames.

Weekly rotations will ensure students to learn and maintain knowledge for that specific area. Each rotation will have their specific duties and students will use overall core skills to perform actively. Just to mention, some of the skills are designing, researching, measuring, graphing, data collection, math operations and cooking. To measure the academic and vocational performance of the students, core skills assessments will be provided before, during and after the project is finish. The project also promotes parent involvement with volunteering opportunities to work in the garden.

Program Impact: (How will the teachers and students benefit from this project?)

Our exceptional student population are in great need of hands on, real life educational opportunities. As teachers, we need to provide an array of learning activities because our students learn differently from other populations. Usage of technology throughout science, math and reading activities will prepare our students to conquer their future as they grow in the community. In addition, students will have a once in a lifetime experience were they can apply everything they learn for a future agro culture career. Our project is in need of materials, equipment and basic agro technology for our students to participate in this project. Our students can benefit greatly from this project because will give them experiences and tools for their future careers, especially in the agro /nursery/garden areas.

Program Evaluation Method: (How will you measure teacher and student success?)

The Cropping Number project will be evaluated in:

A. Student performance/progress-

We will be using student pre- post assessment forms/ Unique Learning System evaluation, student work samples and teacher observation checklist. Student data comparison graph will show students gains in all tested areas and State blueprints for learning goals.

B. Student Pictorial Garden Journal and Oral Presentation to parents and staff.

Program Timeline: (provide a project start date and completion date)

TARGETS	ACTIVITIES
1- Receiving grant funding Preparation Level October/2018	*purchase of materials *student pre assessments *Preparation level activities(soil prep-gather materials , assemble greenhouse-equipment testing, student journals, volunteers sign up schedule) See preparation level/Description of project
2- Garden set up-on going activities Weekly set up October 2018-May 2019	*Organization of gardeners teams/duty schedules*planting *data collection* See daily activities/Description of Project
3-Maintenance of garden/data collection/on going activities October 2018-May 2019.	*Daily schedule implemented*Crops pick up*data collection on going
4-Wrap up activity/Closing May 1/2019	*Vocational Activity*cooking activity* *Cropping Numbers final data presentation See closing activities/Description of project

Program Approved By: _____

Principal

Assistant Superintendent/Superintendent

(A principal, assistant superintendent or superintendent signature is required for all requests over \$2,000.00. The superintendent's signature is required for all requests over \$5,000.00. The superintendent's signature is also required for all requests for curriculum or capital expenditures (other than building improvements)

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

Signed: _____ Date: _____

Printed Name: _____ Email: _____

To be completed by foundation staff/board

Program meets Foundation Mission/Funding Policy: Yes or No

Director Recommendations: _____

Executive Board Recommendations: _____

_____ Approved _____ Denied _____
President Signature Date