

## 2018-2019 School Year – Letters of Ideas – Grant Funding for Schools

Name of Project: Planting the Seeds of Knowledge

Information about the project: The 5<sup>th</sup> graders at Pelican Island Elementary will take control and responsibility of plants growing within our greenhouses. This grant will sustain our school cultural environment to stay “green” and environmentally friendly by producing organic foods that will be delivered to McKee Botanical Garden through our prospective partnership. Students will be engaged by investigating the parts of plants, their functions, and life cycles, in relation to taking a nutrition investigation class taught by the McKee Botanical Garden. PIE students will be required to collect and present data of plant growth and observe the conditions in which they grow. Research and analyzing data will condition the students to comprehend how plants grow, and what environmental factors affect their growth. This project will not only incorporate science but ELA and Math as well. Our students will be able to interpret and present data through their writings, and research completed. To continue the school cultural environment, 5<sup>th</sup> graders will become advocates, educators, and leaders of the greenhouse, to ensure younger grades understand and are involved with the greenhouses, to better their science education as well as taking over the greenhouse when they move forward with their grade level.

Amount Requested: \$3,000.00

Total Project Cost: \$3,000.00

Targeted Population: 5<sup>th</sup> Grade Students

Number of children to be served and grade level(s): 69 Students

Succinct Summary:

-The Issue: The challenge that will be addressed is educating our students on life outside technology and their homes. We want to encourage our students to represent and make a difference in the community by devoting time, effort and energy in creating something.

-The Change: The change wished to be seen is more engaged learning and teaching from the students, as well as, a positive gain in science education.

-The Action: The students will be addressed day one of school to think of ways to be involved in the community. They will explore the greenhouses, hydroponics garden, compost and sheds to identify how this helps the environment and community. They will conduct experiments and investigate plant growth throughout the school year to donate to McKee Botanical Garden, consume and educate others of the work they have accomplished.

Grant Oversight: Rachel Raines is the 5<sup>th</sup> grade science teacher at Pelican Island Elementary. She will provide the responsibility and oversight for the project. Ms. Raines has initiated the partnership with McKee, and expects to have growth, learning, and foreseeable goals and outcomes for her students.

Monitoring Progress and Results: Student data and will monitor progress and results of the greenhouse through repeated data chats.

Volunteers: Mckee will provide volunteers as well as volunteers within the school community. Our volunteers will come as often as possible, three days a week, any day.

Itemized Budget:

Program Name	Expected Attendance	Item	Days of Week	Time Slot	Total
Planting the Seeds of Knowledge	69	Soil: 5 - \$54.95	Mon-Fri	30 min for 4 classes as they rotate through science class	
		Gloves: 25 - \$178.75			
		Hand Shovels: 25 - \$199.00			
		Shears: 5 - \$54.85			
		Plug flats: 15 - \$286.20			
		Wonder Soil Potting Wafers: 100 - \$600.00			
		Cilantro Seeds: 5 - \$12.45			
		Spinach Seeds: 5 - \$12.45			
		Carrot Seeds: 2 - \$7.94			
		Parsley Seeds: 5 - \$12.45			
		Lettuce Seeds: 5 - \$12.45			
		Tomato Seeds: 2 - \$4.98			

		Shed: 1 - \$1,500.00			
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School Personnel Rachel Raines and Sue Flak

Tools \$2,873.75

Seeds \$62.72

Grand Total: \$3,000.00