

Review Grant Application

Grant Identification Information	
Application Date	10/20/2017
Application Deadline	10/20/2017
Grant Amount	\$4,926.00
Grant Title	Got Dirt: Let's Dig Deeper
Grant Type	Other
Category	Science
Funding Type	Local Foundation
Paperwork on File	
Grant Funder Information	
Funder Name	Education Foundation of Sarasota County
Funders Grant Title	Education Foundation of Sarasota County
Funder Project Number	
Funding Source	Grant
Grant Writer Information	
Writer Employee ID	A050523
Current School	McIntosh Middle
Writer First Name	Dorothy
Writer Last Name	Rieger
Writer Email	dorothy.rieger@sarasotacounty.k12.fl.us
Writer Phone Area	941
Writer Phone Prefix	361
Writer Phone Number	6520
Writer Phone Ext.	61396
Writer Address Line1	
Writer Address Line2	
Writer City	
Writer State	
Writer Zip Code	
School Served	McIntosh Middle
Number of Staff Impacted	0
Number of Students Impacted	388
Number of Parents Impacted	0
Grant Purpose/Objective Information	
Estimated Start Date	10/30/2017
Estimated End Date	5/18/2018
Grant Purpose	Students will analyze and study soils, complex mixtures of minerals, water, air, organic matter and long decayed once living things while learning the process of photosynthesis and soil respiration in addition of the different aspects and characteristics of our ecosystems – and how they impact us on a daily basis. Students will learn the role of cellular respiration in the carbon cycle and why it is imperative for the health of our bodies and all organic matter.
Grant Activities	Students will investigate the following inquiry projects: "Types of Soil Microbes and their Function in Ecosystems", Study the Carbon Cycle with a CO2 Gas Sensor and Soil" by adding organic compost and vermicompost to the soil and they will be required to "Determine the correlation between the soil moisture, temperature, and its composition affect on the flora and fauna present at various Florida State Parks.
Grant Budget Items	Co2-BTA 6@\$259, \$1554.00 LabQuest 2 6@\$329 \$1974.00 Co2 accessory pack 6@\$38 \$ 228.00 OX Sensor 6@\$195.00 \$1170.00 Total for equipment \$4926.00 Multi-year project: student involvement - 48%, investment first year is \$14.57 per student, over a five year period, the investment per student decreases to \$2.91.
After Grant Plans	Students will be engaged in hands-on inquiry based math and science instruction in our classroom and in multiple locations throughout the State of Florida. During this multi-year project, students will plot and trisect quadrants of our nine-acre campus. Experiments will

	be performed at various locations Myakka, Anastasia state parks, Selby Gardens, Spanish Point investigating ancient ecosystems, rate of change, its causes and possible mitigation including the emissions of CO2 on soil microbe
	Grant Budget Information
Indirect Costs	0
Fiscal Management	District Finance Office
Require Evaluator	No
Multi-Year	Yes
Number Years	5
Matching Funds Req.	No
Matching Funds Amount	0
Amount per Year	0
Matching Funds Description	