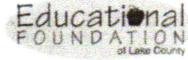




Educational Foundation of Lake County



2018-19 Duke Energy Foundation STEM Grant

DEADLINE October 18, 2018 4:00 pm Foundation Office via Jackrabbit or Email

- This Classroom Grant is for 2018-2019 school year.
- Funds must be used to address a STEM related project.
- All funds must be used by May 1, 2019. A final program evaluation must be submitted by May 15, 2019.

Contact Information	
Applicant Name: Audrey Paugh	Position: Kindergarten Teacher
School: The Villages Elementary of Lady Lake	
Address: 695 Rolling Acres Road, Lady Lake, FL 32159	
Phone: (352) 751-0111	Fax:
Email Address: PaughA@lake.k12.fl.us	

Detailed Project Information
Project Title: STEM Building
What priority area(s) will your project address: Building STEM foundational skills at the K level
What is your estimated start date: ASAP
Estimated number of teachers who will participate in this project: 7
Estimated Number of Total Students Impacted by project: 130
Grade Levels to be Addressed: Kindergarten

Program Background:
At the kindergarten level, we have experienced a need for more STEM related activities that lead to critical thinking and problem solving. In the 21st century, technology based industries are proving to be the highest growing field in our economy. Science, technology, engineering, and mathematics are the key to the future and research proves that proficiency in these areas require exposure in kindergarten and even before. We would like to incorporate many STEM developing activities into our everyday schedule to ensure that our students are prepared and educated for the world and industries we are sending them into. Research tells us that play based curriculum is a most effective approach to STEM at the kindergarten level, providing kindergarteners with the hand-on experiences that develop curiosity and exploration of the scientific inquiry process.

Project Summary:
We aim to explore many STEM foundational skills via building manipulatives and activities that promote problem solving, as well as science stations that promote science inquiry skills and exploration. We wish to incorporate these hands on STEM building activities on a daily basis because we know that just as with reading and language arts, multiple and authentic exposures are critical to developing and establishing the foundation to the building blocks that the grades beyond with provide our students in STEM proficiency.

Need:

We need science centers, hands on engineering materials, and engaging problem solving kits.

Project Goals and Objectives:

Our goal is to increase each student's critical thinking skills and problem solving skills by exposing students to multiple STEM activities on a daily basis. We will implement the use of these materials daily in centers and during many cross curricular activities that create meaningful and authentic STEM experiences for our students.

Evaluation Plan: We will track student progress of developing skills during whole group and in small group discussions, performance and formative assessments weekly utilizing the Florida Interactive Science workbook.

Budget

Category of Expenditure	Dollar Amount	Related Activity
Computer Hardware		
Computer Software		
Other Equipment (not computers)		
Competition Registration Fees		
Program supplies	\$3,452.73	
TOTALS	\$3,452.73	

Program Approved By: 

Principal

Funds Payable to: The Villages Elementary of Ladylake

Address: 695 Rolling Acres Rd

Lady Lake, FL 32159

Phone: (352) 751-0111 Email: paugh@lake.k12.fl.us

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

Signed Audrey Paugh Date 9.19.18

To be completed by foundation staff/board

Program meets Duke Energy Foundation's Mission/ Funding Policy Y N

Director Recommendation: _____

Item #	Quantity	Item Description	Item Web Price	Extended Web Price
TT155X	4	STEM Science Stations - K-Gr. 1 - Complete Set	\$145.00	\$580.00
PP630X	3	Fairy Tales Problem Solving STEM Kits - Set 2	\$149.00	\$447.00
SE202	14	Kinetic Sensory Sand - 11-Pound Bag	\$44.99	\$629.86
HH938	3	The Ultimate Fort Builder	\$49.99	\$149.97
LC672	4	Jumbo Magnetic Building Tiles	\$299.00	\$1,196.00
EG813	5	Mega Magnets Construction Set	\$59.99	\$299.95
CS439	5	Crazy Shapes Magnetic Building Set	\$29.99	\$149.95
			Subtotal	\$3,452.73