



## 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.

<b>Contact Information</b>	
Applicant Name: Susan Caldwell	Position: Media Specialist
School: Umatilla Elementary School	
Address: 401 Lake Street	
Phone: 352-669-3181	Fax:
Email Address: caldwells@lake.k12.fl.us	

<b>Detailed Project Information</b>
Project Title: Engaging Students with Technology
What priority area(s) will your project address: Student Engagement with Updated Technology
What is your estimated start date: October 2019
Estimated number of teachers who will participate in this project: 40
Estimated Number of Total Students Impacted by project: 630
Grade Levels to be Addressed: PreK-5th

<b>Program Background:</b> <p>Umatilla Elementary School would like to purchase a more cost effective and up to date interactive projection display for each classroom. We are a Title 1 School with 67.39% of the population having free and reduced status. This year all of our students receive free lunch. School enrollment is 630 students and has 38 classrooms. Currently, we have 4 Interactive Smartboards. These Smartboards are at least 13 years old or older. Due to the Smartboards becoming obsolete, our district Technology Support is not renewing the software or installing the programs. Every classroom is equipped with a Dell or Epson projector. Replacement bulbs are \$99.00 per projector. The cost for the projector is \$327.00. Most of the projectors only have a two-year warranty. Teachers use the projector display on a daily basis.</p>
<b>Project Summary:</b> <p>These interactive displays would help all of our students be more successful in the "real world" classroom and expand the learning environment beyond the classroom. This technology connects all subject area skills and standards to student learning. It will utilize technology through STEM as well as digital learning. Teachers can utilize opportunities to differentiate instruction and enhance student creativity, which ultimately impacts all of our learners.</p>
<b>Need:</b> \$3,000.00 per classroom to purchase a Viewsonic interactive television projector with a touch screen. The Lake County Schools AV Department provided pricing and specifications. Other Lake County elementary

schools are using the Viewsonics. Depending upon how the teacher wants to present the lesson, the motorized mount can raise or lower the screen. This feature allows more student interaction.

**Project Goals and Objectives:**

The objectives for this project are to engage students and teachers in interactive lessons, virtual field trips, authentic literature and STEM activities. Students and teachers will "Read, Write, Think, and Talk" together. Project goals are to "boost" media literacy, improve students' learning by providing opportunities for student led discussions, student creativity, critical thinking, and tools for collaborative technologies.

**Evaluation Plan:** *Describe how you will measure outcomes and evaluate your project.*

Outcomes will be measured by teacher and student feedback, observation of student use, student projects, and STEM activities.

**Budget**

Category of Expenditure	Dollar Amount	Related Activity
Computer Hardware	\$1995.00	Viewsonic 65 Inch interactive display
Computer Software		
Other Equipment (not computers)	\$800.00	Motorized Mount for height adjustment
Competition Registration Fees		
Program supplies	\$60.00	Cables
<b>TOTALS</b>	\$2855.00	

Program Approved By: Dianne Dwyer  
Principal

Funds Payable to: Umatilla Elementary School  
Address: 401 Lake St.  
Umatilla FL 32784  
Phone: 352-669-3181 Email: caldwells@lake.k12.fl.us

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

Signed Susan M. Caldwell Date 9-24-18  
*To be completed by foundation staff/board*

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

Director Recommendation: \_\_\_\_\_

Executive Board Recommendation: \_\_\_\_\_